

Organizer



12th Annual International Conference on Industrial Engineering and Operations Management

*-Istanbul,
Turkey*

Hosts



Sabancı
Universitesi

March 7-10, 2022

Venue: Hilton Istanbul Bomonti Hotel

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IEOM Society

"Achieving and Sustaining Operational Excellence"

www.ieomsociety.org

Industrial Engineering and Operations Management Society International

IEOM Society International, 21411 Civic Center Dr., Suite 205, Southfield, Michigan 48076, USA

Phone: 1-248-450-5660, Email: info@ieomsociety.org

Welcome to the 12th Annual International Conference on Industrial Engineering and Operations Management, Istanbul, Turkey

To All-Conference Attendees:

On behalf of the IEOM Society International, we would like to welcome you to the 12th Annual **International Conference on Industrial Engineering and Operations Management**, March 7-10, 2022, hosted by Kadir Has University in collaboration with Sabanci University. Venue is Hilton Istanbul Bomonti Hotel. This unique international conference provides a forum for academics, researchers, and practitioners from many industries to exchange ideas and share recent developments in the fields of industrial engineering and operations management. This diverse international event provides an opportunity to collaborate and advance the theory and practice of major trends in industrial engineering and operations management. There were more than 1,000 papers/abstracts submitted from 62 countries. After a thorough peer-review process, more than 750 have been accepted for presentation and publication. The program includes many cutting-edge topics of industrial engineering and operations management. The theme of the conference is "**Operational Excellence in the era of a Global Pandemic**".

This conference will address many of the issues concerning continuous improvement for quality and service. Our keynote speakers will address some of these issues:

1. Prof. Dr. Şener Oktik, Board Member of Şişecam A.Ş., Professor, Kadir Has University, Istanbul, Turkey
2. Cevdet Alemdar, Industry SBU President, Sabanci Holding, İstanbul, Turkey
3. Prof. Dr. Ilker Birbil, Professor of AI & Optimization Techniques for Business & Society, Faculty of Economics and Business, Section Business Analytics, University of Amsterdam (UvA), Amsterdam, The Netherlands
4. Ahmet Gürsoy, Chief Supply Chain Officer, Modanisa, Istanbul, Turkey
5. Dr. Lewis Ntamo, Professor and Sugar and Mike Barnes Department Head Chair, Wm Michael Barnes '64 Department of Industrial and Systems Engineering, Texas A&M University, College Station, Texas, USA
6. Paul Perkins, President, Amatrol, Inc., Jeffersonville, Indiana, USA
7. Dr. Rosemary R. Seva, Professor of Industrial Engineering, Assistant Dean for Quality Assurance, Gokongwei College of Engineering, De La Salle University, Manila, Philippines
8. Prof. Nesli Alp, Dean and Professor, College of Technology, Indiana State University, Terre Haute, Indiana, USA
9. Dr. Jean-Damien Muller, Advanced Development Technical Leader, Battery Cooling Systems Expert, Valeo Thermal Systems, France
10. David A. Harry, CEO, and Black Belt Trainer, Process Whisperer® Consultants LLC, Greeneville, Tennessee U.S.A.
11. Dr. Yılmaz Argüden, Chairman, ARGE Consulting, Istanbul, Turkey
12. Dr. Linh N K Duong, Sr Lecturer in Operations Management, Bristol Business School, the University of the West of England, UK
13. Professor Edward J. Williams, Educator, University of Michigan – Dearborn and Sr. Technical Specialist, PMC, Michigan, USA

The 28th IEOM Society Global Engineering Education session will feature distinguished speakers who will discuss workforce readiness and engineering education challenges and opportunities. The 27th IEOM Industry Solutions will showcase major topics including IoT, AI, data analytics, iCloud, cybersecurity, automation, digital manufacturing, MSV, and industry best practices. The 7th IEOM Global Supply Chain and Logistics will address the global logistic challenges due to the pandemic. Eight-panel sessions have been planned: Industry 4.0, Industry Solutions, Global Engineering Education, Supply Chain, Women in Industry and Academia, Presidential Panel on "The role of professional societies in serving the professions and providing opportunities for re-training and continuing education", EFQM Model: Global and Local Perspectives and Diversity & Inclusion sponsored by Ford Motor Company.

The IEOM Society would like to express our deep appreciation to our sponsors, university partners, organization partners, exhibitors, authors, reviewers, keynote speakers, panelists, track chairs, advisors, the local committee, and the many volunteers who have given so much of their time and talent to make this unique international conference an overwhelming success.

Kadir Has University, the conference host, welcomes all participants. The IEOM Society Conference Planning Committee hopes you will enjoy the Istanbul conference. Lastly, our sincere best wishes to all of you for a successful and memorable event.

Enjoy the conference!



Dr. Gunduz Ulusoy
Honorary Chair
Emeritus Professor
Department of Industrial Engineering
Sabanci University
Tuzla, Istanbul, Turkey



Dr. Zeki Ayag
Conference Chair
Professor, Department of
Industrial Engineering
Kadir Has University
Istanbul, Turkey



Dr. Ahad Ali
Conference Co-Chair
Associate Professor and Director of IE
Lawrence Technological University
Southfield, Michigan, USA
Executive Director, IEOM Society



Dr. Kemal Kılıç
Program Chair
Associate Professor of
Industrial Engineering,
Sabanci University
Tuzla, Istanbul, Turkey

Conference Program

All times are Istanbul Time

March 7, 2022 (Monday)

06:00 am – 07:45 am Parallel Sessions – Virtual Rooms 1-6
 08:00 am – 09:45 am Parallel Sessions – Virtual Rooms 1-6
 10:00 am – 11:45 am Parallel Sessions – Virtual Rooms 1-6
 12:00 pm – 01:45 pm Parallel Sessions – Virtual Rooms 1-6
 02:00 pm – 08:00 pm Onsite Registration – Foyer of MR25A-MR25B
 02:00 pm – 03:45 pm Parallel Sessions - Virtual Rooms 1-6
 04:00 pm – 05:45 pm Parallel Sessions - Virtual Rooms 1-6
 06:00 pm – 07:45 pm Parallel Sessions - Virtual Rooms 1-6

March 8, 2022 (Tuesday)

06:00 am – 07:45 am Parallel Sessions – Virtual Rooms 1-6
 08:00 am – 06:00 pm Registration – Onsite at Hilton Bomonti Hotel
 08:00 am – 09:30 am Parallel Sessions – Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B and Virtual Rooms 1-6
 09:00 am – 10:00 am Morning Networking Coffee Break - Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B
 10:00 am – 10:20 am **Welcome Address from Host University:** Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B
 10:20 am – 11:00 am **Opening Keynote: Prof. Dr. Şener Oktik**, Board Member of Şişecam A.Ş., Professor, Kadir Has University, Istanbul
 11:00 am – 11:40 am **Keynote II: Cevdet Alemdar**, Industry SBU President, Sabanci Holding, İstanbul, Turkey - Hiton MR25A-MR25B
 11:40 am – 12:20 pm **Keynote III: Prof. Dr. Ilker Birbil**, Professor of AI & Optimization Techniques for Business & Society, Faculty of Economics and Business, University of Amsterdam (UvA), Amsterdam, The Netherlands
 12:20 pm – 01:00 pm **Keynote IV: Ahmet Gürsoy**, Chief Supply Chain Officer, Modanisa, Istanbul, Turkey
 01:00 pm – 02:00 pm Lunch Break - Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B
 02:00 pm – 03:45 pm Parallel Sessions – Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B and Virtual Rooms 1-6
 03:45 pm – 04:00 pm Afternoon Networking Coffee Break - Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B
 04:00 pm – 04:40 pm **Keynote V: Dr. Lewis Ntamo**, Professor and Sugar and Mike Barnes Department Head Chair, Wm Michael Barnes '64 Department of Industrial and Systems Engineering, Texas A&M University, College Station, USA – Virtual Room 1
 04:40 pm – 05:20 pm **Keynote VI: Paul Perkins**, President, Amatrol, Inc., Jeffersonville, Indiana, USA – Virtual Room 1
 04:40 pm – 05:20 pm **Keynote VII: Dr. Rosemary R. Seva**, Professor of Industrial Engineering, Assistant Dean for Quality Assurance, Gokongwei College of Engineering, De La Salle University, Manila, Philippines – Virtual Room 1
 04:00 pm – 05:45 pm Parallel Sessions – Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B and Virtual Rooms 1-6
 06:00 pm – 07:45 pm Parallel Sessions – Virtual Rooms 1-6

March 9, 2022 (Wednesday)

06:00 am – 07:45 am Parallel Sessions – Virtual Rooms 1-6
 08:00 am – 06:00 pm Registration – Onsite at Hilton Bomonti Hotel
 08:00 am – 09:30 am Parallel Sessions – Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B and Virtual Rooms 1-6
 09:00 am – 10:00 am Morning Networking Coffee Break - Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B
 10:00 am – 10:20 am **Welcome Address from Host University:** - Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B
 10:20 am – 11:00 am **Keynote VIII: Prof. Nesli Alp**, Dean and Professor, College of Technology, Indiana State University, Terre Haute, Indiana, USA - Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B
 11:00 am – 11:40 am **Keynote IX: Dr. Jean-Damien Muller**, Advanced Development Technical Leader, Battery Cooling Systems Expert, Valeo Thermal Systems, France - Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B
 11:40 am – 12:20 pm **Keynote X: David A. Harry**, CEO and Black Belt Trainer, Process Whisperer® Consultants LLC, Greeneville, Tennessee U.S.A. - Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B
 12:20 pm – 01:00 pm **Keynote XI: Dr. Yılmaz Argüden**, Chairman, ARGE Consulting, Istanbul, Turkey- Hiton Bomonti Hotel MR25A-MR25B
 01:00 pm – 02:00 pm Lunch Break - Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B
 02:00 pm – 03:45 pm Parallel Sessions – Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B and Virtual Rooms 1-6
 03:45 pm – 04:00 pm Afternoon Networking Coffee Break - Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B
 04:00 pm – 05:45 pm Parallel Sessions – Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B and Virtual Rooms 1-6
 06:00 pm – 07:45 pm Parallel Sessions – Virtual Rooms 1-6
 08:00 pm – 09:45 pm Parallel Sessions – Virtual Rooms 1

March 10, 2022 (Thursday)

06:00 am – 07:45 am Parallel Sessions – Virtual Rooms 1-6
 08:00 am – 06:00 pm Registration – Onsite at Hilton Bomonti Hotel
 08:00 am – 09:30 am Parallel Sessions – Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B and Virtual Rooms 1-6
 09:00 am – 10:00 am Morning Networking Coffee Break
 10:00 am – 10:40 am **Keynote XII: Dr. Linh N K Duong**, Sr Lecturer in Operations Management, Bristol Business School, University of the West of England, UK- Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B
 10:40 am – 11:20 am **Keynote XIII: Professor Edward J. Williams**, Educator, University of Michigan – Dearborn and Sr. Technical Specialist, PMC, Michigan, USA - Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B
 11:30 am – 01:00 pm Parallel Sessions – Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B and Virtual Rooms 1-6
 01:00 pm – 02:00 pm Lunch Break - Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B
 02:00 pm – 03:45 pm Parallel Sessions – Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B and Virtual Rooms 1-6
 03:45 pm – 04:00 pm Afternoon Networking Coffee Break
 04:00 pm – 05:45 pm Parallel Sessions – Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B and Virtual Rooms 1-6

7:00 – 10:00 pm, Thursday, March 10

Conference Awards Dinner – Hiton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B

Keynote Speakers

Welcome Address from Host University, Tuesday, March 8, 2022, 10:00 – 10:20 am

Keynote I (Opening Keynote): Tuesday, March 8, 2022, 10:20 - 11:00 am



Prof. Dr. Şener Oktik
Board Member of Şişecam A.Ş.
Professor, Kadir Has University
Istanbul, Turkey

Prof. Dr. Şener Oktik graduated from Ankara University with a degree in Physics in 1976 and received his M.Eng. in Applied Physics in 1977 from the same university. He went on to obtain a Ph.D. from Durham University (UK), Department of Applied Physics and Electronics in 1982. Prof. Oktik became Associate Professor (Interuniversity Council) in 1986 and full Professor (Muğla University) in 1995. During his career, he has worked as lecturer, research scientist, senior researcher and administrator, senior administrator at Durham University (UK), Lecce University (Italy), Stuttgart University (Germany), Selçuk University and Muğla University (Turkey). Prof. Oktik was the third and fourth term of President/Rector of Muğla University between 2002 and 2010. He has also worked as senior research scientist, technologist, senior executive in England at BP Solar, Sunbury, Imperial Chemical Industries PLC (ICI), Paints Division Slough Research Labs, and Industrial Research Labs of Durham University (UK) and in Turkey at Anel Group and Arıkanlı Holding. Prof. Oktik was the Chief Research & Technological Development Officer (CTO) of Şişecam between 1st January 1, 2012 and 23rd March 2020 and he was elected as a member of Şişecam Board of Directors in 27th March 2020. He is a member of the Advisory Committee of International Commission on Glass, "ICG" and serving at the International Advisory Boards of International Conference on Coatings on Glass and Plastics, Society of Vacuum Coaters and The Centre for Functional and Surface Functionalized Glass (Slovakia) and he is also in the Scientific Committee of "European Photovoltaic Solar Energy Conference EU-PVSEC" the Honorary Chairman Turkish Solar Energy Industry Association. Prof. Oktik is author/co-author of over 100 scientific and technical publications and inventor/co-inventor of two world patents and joined to the academic team of Kadir Has University in 27th April 2020.

11:00 am – 11:40 am, Tuesday, March 8, Keynote II:



Cevdet Alemdar
Industry SBU President
Sabancı Holding
Istanbul, Turkey

Between 1993-2002, he worked as Product Leader and then Wire Products Director in Beksa, Sabancı Holding-Bekaert Joint Venture. From 1998 onwards, he additionally took over the role of Bekaert's Sales Manager for Construction Materials in Middle East. From 2002 to 2005, he worked as Commercial Director in Sakosa.

In 2005, he joined Kordsa Global as General Manager of Kordsa Brazil and as Sales and Marketing Director of South America. From 2007 to 2009, based in Bangkok Thailand, he worked as Managing Director for Thai Indo Kordsa and Kordsa Qingdao Nylon Ent., as well as Sales and Marketing Director for Asia Pacific. In 2009 and 2010, he worked in Shanghai as Global Business Development Director, while maintaining his roles in Kordsa Qingdao Nylon Enterprises and Asia Sales and Marketing. From 2010 to 2013 he took role as Kordsa Global's Vice President in charge of Technology and Market Development. Between 2013-2017, he was appointed as General Manager of Temsa Construction Equipment. May 2017 onwards, he has been CEO of Brisa, Bridgestone Sabancı JV Tire Company which is the leading tire and mobility solutions company in Turkey serving to 80 countries. Alemdar was appointed as Industry Group President effective as of 1st of April, 2020. Cevdet Alemdar graduated from Industrial Engineering Faculty of Bogazici University in 1992. He also was granted with an MBA degree in Sabancı University.

11:40 am – 12:20 pm, Tuesday, March 8, Keynote III:



Prof. Dr. Ilker Birbil
Professor of AI & Optimization Techniques for Business & Society
Faculty of Economics and Business
Section Business Analytics
University of Amsterdam (UvA)
Amsterdam, The Netherlands

Ilker Birbil is a professor of AI & Optimization Techniques for Business & Society in University of Amsterdam, where he is the head of the Business Analytics section of the Amsterdam Business School. In the past, he had served for three years as a professor of Data Science and Optimization at the Department of Econometrics of Erasmus University, and before that he had been a professor of optimization at the Industrial Engineering

Department of Sabancı University for more than a decade. His research interests center around optimization methods in data science and decision making. Lately, he is working on interpretable machine learning, and data privacy in operations research.

12:20 pm – 1:00 pm, Tuesday, March 8, Keynote IV:



Ahmet Gürsoy
Chief Supply Chain Officer
Modanisa
Istanbul, Turkey

Born in 1972, Ahmet Gürsoy received his undergraduate degree in 1992 from the Industrial Engineering Department of Boğaziçi University and graduate degrees in 1993 from the Integrated Management Systems Department of the University of Birmingham and in 2000 from the Philosophy Department of San Francisco State University. Gürsoy received his doctorate in the Management and Organization Department of Kocaeli University in 2011. Gürsoy started his career in 1994 as Process Kaizen Engineer at Türk Pirelli Tires. In the following years, he assumed several management positions in companies like Pirelli USA, Pepsi Bottling Turkey, Cadbury Kent, Eczacıbaşı Girişim, Eczacıbaşı Baxter, Doğtaş Kelebek, Trendyol, and LcWaikiki. He currently works in Modanisa as Chief Supply Chain Officer. He is married and has two children.

4:00 - 4:40 pm Tuesday, March 8, 2022, Keynote V:



Dr. Lewis Ntaimo
Professor, Industrial & Systems Engineering
Department Head, Industrial & Systems Engineering
Sugar and Mike Barnes Department Head Chair
Wm Michael Barnes '64 Department of Industrial and Systems Engineering
Texas A&M University
College Station, Texas, USA

Lewis Ntaimo is a Professor, Department Head, and the Sugar and Mike Barnes Department Head Chair of the Wm Michael Barnes '64 Department of Industrial and Systems Engineering at Texas A&M University and has been with the university since 2004. He obtained his PhD in Systems and Industrial Engineering in 2004, MS in Mining and Geological Engineering in 2000, and BS in Mining Engineering in 1998, all from the University of Arizona. Dr. Ntaimo's primary research interest is in deriving models and solution methods for decision-making problems involving uncertainty and risk, systems modeling and process optimization, and computer simulation. Recent applications include patient and resource management in healthcare, wildfire management, air traffic flow management, aircraft assembly line production optimization, energy reduction in data centers, and wind farm operations and maintenance. His research over the years has been funded by the National Science Foundation, Department of Homeland Security, and industry. Dr. Ntaimo is a member of INFORMS and IISE, and he is the Past-President of the INFORMS Minority Issues Forum. He currently serves as associate editor for INFORMS Journal on Computing, IISE Transactions, IISE Transactions on Healthcare Systems Engineering, SN Operations Research Forum, and is on the Editorial Board of the Journal of Global Optimization and Computational Optimization and Applications Journal.

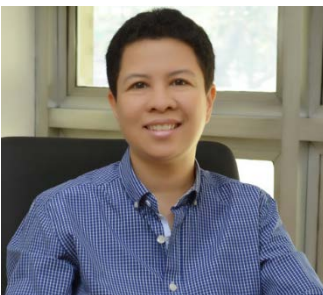
4:40 pm – 5:20 pm, Tuesday, March 8, Keynote VI:



Paul Perkins
President
Amatrol, Inc.
Jeffersonville, Indiana
USA

Paul Perkins is president and co-founder of Amatrol, Inc., a Jeffersonville, Indiana based manufacturer of technical learning systems and online interactive multimedia software for colleges, industry and high schools. Perkins holds a B.S. Degree in Mechanical Engineering Summa Cum Laude from Georgia Institute of Technology, is the author of over 20 books on industrial controls and automation, and has designed numerous training systems for teaching engineering and technical skills. His community service activities include serving as Chair of the Indiana State Workforce Innovation Council, past Chair of the National Governors Association State Workforce Board Chairs Association, and board member of many other national, state and local organization.

5:20 pm – 6:00 pm, Tuesday, March 8, Keynote VII:



Rosemary R. Seva, PhD
Professor of Industrial Engineering
Assistant Dean for Quality Assurance
Gokongwei College of Engineering
De La Salle University
Manila, Philippines

The Hidden Power of Affective Products and Environments

Rosemary Seva is a Professor of Industrial Engineering and Assistant Dean for Quality Assurance at the Gokongwei College of Engineering – De La Salle University, Philippines where she also served as Dean from

2012-2015. She is the past president of the Human Factors and Ergonomics Society of the Philippines (HFESP) and from 2018-2020 also served as the President of the Asian Council on Ergonomics and Design (ACED) and the Southeast Asian Network of Ergonomics Societies (SEANES). She heads the IEA Technical Committee on Affective Design and one of the early researchers in this field. She obtained her doctorate degree at the Nanyang Technological University (Singapore). She is an ASEAN Engineer and a Professional Industrial Engineer.

Wednesday, March 9, 2022

10:00 am – 10:20 am, Wednesday, March 9, Welcome Address from Host University

10:20 am – 11:00 am, Wednesday, March 9, Keynote VIII:



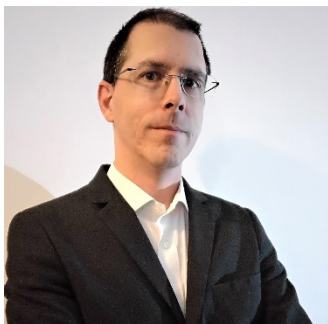
Prof. Nesli Alp
Dean and Professor
College of Technology
Indiana State University
Terre Haute, Indiana, USA

Nesli Alp is the Dean of the College of Technology at Indiana State University. She joined ISU in August 2018 from the University of Tennessee at Chattanooga where she has worked for 19 years, starting as an Assistant Professor to the Associate Dean and Interim Dean positions in the College of Engineering and Computer Science.

Nesli has an undergraduate and master's degrees in Industrial Engineering from Istanbul Technical University and Ph.D. in Engineering Management from the University of Missouri-Rolla (Missouri University of Science and Technology). Her specialization is in the areas of Project Management, Quality Control, and Operations Research. She has more than 100 publications and received more than \$10 million in grants and gifts. She has been selected as the Distinguished Department Head and has received Teaching, Research, and Service awards multiple times. Nesli is a Professional Engineer and speaks French and Turkish in addition to English.

As the Dean of the College of Technology at ISU, Nesli's goal is to grow the new engineering program in the College and bring more visibility to other unique programs, like packaging, safety, unmanned systems, etc. Her first and utmost priority is always students and prepare them for real world. She believes that it's a perfect time to grow STEM related fields since there is a talent shortage in that area. Her goals are to grow the College by bringing more students who are interested in engineering and technology, and gain more visibility and recognition for the College of Technology in the state, in the nation, and beyond. Nesli is originally from Istanbul, Turkey and moved to the U.S. with her husband in 1994 to pursue her Ph.D. Nesli's husband is also an engineer, mechanical engineer, with MBA and Ph.D. in Engineering Management, and he's here today. They have two sons, one is at Emory University in Atlanta, Georgia, as a sophomore, and the other one is at the University of Miami in Miami, Florida, as a freshman. They are both majoring in science with pre-med track. The Alp family loves to travel and discover new places in the world.

11:00 am – 11:40 am, Wednesday, March 9, Keynote IX:



Dr. Jean-Damien Muller
Advanced Development Technical Leader
Battery Cooling Systems Expert
Valeo Thermal Systems
France

Automotive Battery Cooling Systems for Electrical Vehicles

Jean-Damien Muller, Ph.D., Eng. is Valeo Battery Thermal Management Expert. He is graduated in Technological Diploma of Nantes University (France) in the Physicals Measurements field in 2002. He spends the next 3 years to study the materials properties to hold the title of Material Engineer of Polytech'Nantes in 2005. In parallel of the last engineering school year, he follows a Research Master course in Materials and

Matter Physics at the Nantes' University. Passionate by the research, he prepares his Ph.D. thesis on Rotomolding Process within the INSA of Lyon (France), at the Polymer Materials Engineering (IMP). Graduated in 2008, he starts immediately in the industry at Lyon in Inlutherm, an engineering company working around the thermal measurement. During 5 years, he develops its skills in the development of measurements of the thermal properties of materials and thermal studies to become a recognized expert in his field. Valeo hires him in 2014 to work on new products called Battery Coolers in La Suze sur Sarthe near Le Mans (France). Its competencies as Research and Development Engineer allow him to become quickly Advanced Development Technical Leader, then Battery Thermal Management Expert since 2020. Additionally of supporting Valeos' engineers around the world, he is in charge of Valeo internal training on Battery Thermal Management Systems and is internal standards writer and reviewer. He also contributes to the redaction of international norms thought AFNOR and ISO groups (ISO/TC22/SC37/WG3). He has filled 39 patents, whose 23 have been granted to date.

11:40 am – 12:20 pm, Wednesday, March 9, Keynote X:



David A. Harry
Chief Executive Officer and Black Belt Trainer
Process Whisperer® Consultants LLC
Greenville, Tennessee U.S.A.

David Harry, a.k.a. “The Process Whisperer®”, has more than 30 years’ experience as a project manager, business process improvement instructor and expert problem solver. Following a successful military career which included a tour as the U.S. Defence Attaché Colombo Sri Lanka, he taught hundreds of Lean and Six Sigma “Belt” and project management classes for various companies including KPMG Consulting, Northrop Grumman, Rolls-Royce Energy, the University of Tennessee Knoxville, and SimpliLearn (India). He was an Expert Trainer at Northrop Grumman and the Manager of Continuous Improvement at Rolls-Royce Energy. He served on leadership boards of the American Society for Quality (ASQ) and the Institute of Industrial Systems Engineers (IISE). He has also served several years on Conference Committees for the IISE Engineering Lean Six Sigma Conference and the ASQ Lean & Six Sigma Conference. He has been awarded three management Masters-level degrees including from the University of Chennai (India). His certifications and interests include PMI certified Project Management Professional (PMP®), ASQ Certified Six Sigma Black Belt (CSSBB), Lean Bronze Certification (LBC) from the SME/Shingo/AME Alliance, Agile Certified Scrum Master (CSM®). He is also a Kata “Geek” and has attended and presented at the Post Graduate Institute of Management in Colombo.

12:20 pm – 1:00 pm, Wednesday, March 9, Keynote XI:



Dr. Yilmaz Argüden
Chairman
ARGE Consulting
Istanbul, Turkey

Dr. Argüden is the Chairman of ARGE, an Istanbul based management consulting firm, which specializes in business strategy, governance, business excellence methodologies, and sustainability. He has worked with more than 500 companies on more than 1,500 consulting projects. Prior to founding ARGE, he worked at the RAND Corporation, World Bank, led the Privatization Program and served as the Chief Economic Advisor to the Prime Minister.

He is also the Chairman of Rothschild & Co – Türkiye and has served on boards of 70+ major corporations and as the Chairman of the largest Turkish steel company, Erdemir (1997-99). He is a renowned governance expert: serving on the Private Sector Advisory Group of IFC, Vice-Chairman of the Governance Committee of Business at OECD, Chairman of the Argüden Governance Academy Foundation Trustees, and author of many books on governance.

He has served as an adjunct Professor of Business Strategy at the Koç University and Bogaziçi University (formerly Robert College). Dr. Argüden is also an active participant in non-governmental-organizations. Elected as the Global Chair of UN Global Compact Local Networks and served on the Board of UN Global Compact. Served as the Chairman of the Turkish Quality Association; Chairman of Turkish-American & Turkish-Canadian Business Councils; as a board member of TÜSIAD-US; founding Board Member of the independent Turkish think-tank, TESEV, The Turkish Education Volunteers Foundation (TEGV), and Corporate Volunteers Association. He is a Tübitak, Fulbright, and Eisenhower Fellow, a recipient of numerous leadership, distinguished citizenship, and career awards and was selected as a “Global Leader for Tomorrow” by the World Economic Forum. He received PhD in Policy Analysis, Rand Graduate Institute (General Distinction) and BSc. Industrial Eng., Boğaziçi University (Top Engineer and President’s Prize for Student Leadership).

Thursday, March 10

10:00 am – 10:40 am, Thursday, March 10, Keynote XII:



Dr. Linh N K Duong
Senior Lecturer in Operations Management
Bristol Business School
University of the West of England
UK

Dr Linh N K Duong is a Senior Lecturer in Operations Management at Bristol Business School, University of the West of England, UK. His current research interests focus on sustainable and resilient supply chain management with the link to digital transformation, innovation, and collaboration among supply chain partners. He focuses on vulnerable contexts such as the agri-food industry, tourism industry, or small and medium enterprises (SMEs). His papers relating to supply chain resiliency and sustainable innovation were published in the International Journal of Production Research, Journal of Macromarketing, and Trends in Food Science and Technology. He has previously worked at the University of Lincoln (UK), New Zealand Forest Research Institute (Scion) and Auckland University of Technology (NZ). Prior to this, he worked in the Supply Chain Management field since 2007 for dairy and pharmaceutical companies. He also joined projects on Distribution Management Systems, Inventory Management, and Production Management. Dr Duong has taught a range of operations management and supply chain modules and has experience in module design and student supervision. He is on the Editorial Review Board for the International Journal of Applied Logistics and reviews for several journals

10:40 am – 11:20 am, Thursday, March 10, Keynote XII:



Professor Edward J. Williams
Educator at University of Michigan – Dearborn
Statistics/Simulation Consultant and Senior Technical Specialist at PMC
Dearborn, Michigan, USA

Benefits of Statistics in Industrial Applications – Challenges and Opportunities

Edward J. Williams holds a master’s degree in mathematics (University of Wisconsin, 1968). From 1969 to 1971, he did statistical programming and analysis of biomedical data at Walter Reed Army Hospital, Washington, D.C. He joined Ford Motor Company in 1972, where he worked until retirement in December 2001 as a computer software analyst supporting statistical and simulation software. After retirement from Ford, he joined PMC, Dearborn, Michigan, as a senior simulation analyst. Also, since 1980, he has taught classes at the University of Michigan, including both undergraduate and graduate simulation classes. He is a member of the Institute of Industrial Engineers [IIE], the Society for Computer Simulation International [SCS], and the Michigan Simulation Users Group [MSUG]. During the last several years, he has given invited plenary addresses on simulation and statistics at conferences in Monterrey, México; İstanbul, Turkey; Genova, Italy; Rīga, Latvia; and Jyväskylä, Finland. He served as a co-editor of Proceedings of the International Workshop on Harbour, Maritime and Multimodal Logistics Modelling & Simulation (2003), a conference held in Rīga, Latvia. Likewise, he served the Summer Computer Simulation Conferences of 2004, 2005, and 2006 as Proceedings co-editor. He was the Simulation Applications track coordinator for the 2011 Winter Simulation Conference. A paper he co-authored with three of his simulation students won “best paper in track” award at the Fifth International Conference on Industrial Engineering and Operations Management, held in Dubai, United Arab Emirates, in March 2015. The last several years he has served as co-chair of the Vendor Track at the Winter Simulation Conference.

11:40 am – 1:00 pm, Thursday, March 10

7:00 – 10:00 pm, Thursday, March 10 Awards Ceremony Dinner



Continuous Innovation

At Eaton, we are continually pursuing new ideas with our current and future technologies to help customers meet their goals. Our valvetrain solutions such as cylinder deactivation and hollow engine valves that are engineered to deliver efficient performance while withstanding the extreme heat requirements. Our supercharger technologies for advanced boosting provide the instant throttle response and improved fuel efficiency customers desire. We are constantly innovating differentiated technologies to provide advanced solutions for the industry and our customers.

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Panel Sessions

Global Engineering Education Panel

2:00 – 3:45 pm, March 8, Tuesday

Room – Virtual Room 6

Panel Chair



Dr. Ali Rıza Kaylan
Emeritus Professor of Industrial Engineering
Boğaziçi University
Istanbul, Turkey

Ali R. Kaylan is a professor emeritus of Industrial Engineering at Bogazici University in Istanbul. After completing his undergraduate studies in 1973 in the Mechanical Engineering Department of Bogazici University, he pursued his graduate studies in the Department of Industrial Engineering and Operations Research at Syracuse University in the U.S.A. He has received his M.S. degree in 1975 and Ph.D. in 1979 both from the same University. He joined the Industrial Engineering Department of Bogazici University in 1979. He was promoted to full professorship in 1990. He served as the founding Chair of the Engineering and Technology Management graduate program at Bogazici University for 18 years. He has served as the Industrial Engineering Department Chair and the Information Technology Director of the Bogazici University. He was elected as the Engineering Dean for two terms during 2000-

2006. During that period, he was a member of the Steering Committee of the Turkish Engineering Deans Council. He was elected as the General Secretary of this Council for the period December 2003 – May 2006. Being a founder member of the Turkish Association for Evaluation and Accreditation of Engineering Programs, he participates as an evaluator in the accreditation process of Industrial Engineering Programs in Turkey. Prof. Kaylan has also been active in KalDer, the Turkish Quality Society. He was the President of this Society during 2008-2010. Besides, during his membership in the Executive Committee for 12 years, he has served as the Chairman of the National Quality Award Steering Committee.

Panel Speaker I



Necati Aras, Ph.D.
Professor, Department of Industrial Engineering
Boğaziçi University
Istanbul, Turkey

Dr. Aras has been actively involved in ABET accreditation process at Boğaziçi University as the coordinator of the Industrial Engineering Department. He has been a Program Evaluator of the Industrial Engineering Programs on MÜDEK (Association for Evaluation and Accreditation of Engineering Programs) since 2009, and served as a team chair/co-chair since 2018. He has been a member of MÜDEK since 2016 and recently been appointed as the Vice-Chair of the MÜDEK Executive Board. Necati Aras graduated from the Department of Mechanical Engineering and the Department of Industrial Engineering at Boğaziçi University in 1993 with a B.Sc. degree. He received his M.Sc. and Ph.D. degrees in 1994 and 1993, respectively, from the Department of Industrial Engineering at the same University. During 1994-2000 period, he worked for six years in the private sector first as a quality assurance engineer in a white goods manufacturing company and then in a training and consulting company. He was a postdoctoral

research fellow at the Desautels Faculty of Management of McGill University during 2000-2002. He joined the Department of Industrial Engineering in 2003 and has been a faculty member since then. He worked as a visiting researcher at Boston College during 2013-2014 academic year. He was the chair of the department from January 2018 to September 2019, and vice provost of Boğaziçi University from March 2019 to December 2020. His current research interests include formulating and solving optimization models in different areas including supply chain, facility location, logistics and distribution. His most recent area of research focuses on the use of data analytics methods for increasing the effectiveness and efficiency of metaheuristic solution approaches. He has published more than 60 papers in scholarly journals.

Panel Speaker II



Prof. Şirin Tekinay
Chair, Global Engineering Deans Council

Prof. Tekinay has held posts of academic administration as Dean of Engineering and Natural Sciences, Vice President for Research and Development, and Rector. Prior to her tenure in Istanbul and Sharjah the last decade, she lived in the United States where she served as Program Director at the US National Science Foundation; she was tenured faculty at the Department of Electrical and Computer Engineering, New Jersey Institute of Technology, and Director of NJ Center for Wireless Telecommunications. In addition to her core area of research and teaching wireless communication networks and related areas, she has been working in and teaching different aspects of Higher Education and Engineering Education, such as diversity, multi-disciplinarity, professional identity, technology based learning platforms, and most recently, virtualization. She is the elected 2018-2022 Chair of the Global Engineering Deans Council (GEDC) and a Board Member of the European Society for Engineering Education (SEFI). Before starting her academic career, she was a researcher at Bell Laboratories. Prof. Tekinay holds the PhD degree in Electrical and Computer Engineering from George Mason University, Virginia, and the MS and BS degrees in Electrical-Electronics Engineering from

Bogazici University, and high school diploma from Robert College, Istanbul.

Panel Speaker III



Prof. Dr. Erhan Erkut
Vice Rector
MEF University
Istanbul, Turkey

Erhan Erkut received his BSc degree in Industrial Engineering from Bogazici University in 1980, and his PhD from the University of Florida in 1986. While teaching at the University of Alberta School of Business he received 10 teaching awards, including the "INFORMS Teaching of Management Science Practice Award" and the "3M Teaching Fellowship," 5 practice awards from the Canadian Operational Research Society, and published over 50 refereed journal articles. In addition to teaching and research, Dr. Erkut also managed several industrial projects, established a technology transfer unit called Centre for Excellence in Operations and served as the Founding Editor of INFORMS Transactions in Education.

After returning to Turkey in 2005, Dr. Erkut served as the Dean of Bilkent's Faculty of Business during 2005-2007 and as the Founding President of Ozyegin University during 2008-2013. Since 2014 he serves as the Vice President of MEF University, in charge of academic programs, student life, industrial and international relations.

More recently he has been quite active in entrepreneurship and workplace skills development for high school and university students. He has helped in the professional development of thousands of students through a 21st century skills camp with the support of Mehmet Zorlu Foundation and MEF University. Dr. Erkut authored three books in Turkish, one on evaluating universities for candidates (As you Select a University), one on Turkish entrepreneurs (Here are the Gazelles), and the most recent one on the upcoming disruption in education (The System is Hopeless, Education is on You).

Panel Speaker IV



Prof. Berna Dengiz
Dean of Engineering Faculty
Başkent University, Ankara, Turkey

Prof. Dr. Berna Dengiz is the dean of Engineering Faculty at Başkent University. A graduate of Gazi University, she completed graduate study at Middle East Technical University, and in 1987 earned a doctorate in industrial engineering at Gazi University. In 1994, under a scholarship awarded by the NATO-B2 program, Dr. Dengiz conducted research in the US at the University of Pittsburgh. During the years 1996-2002, as a visiting professor at Pittsburgh University and Auburn University, conducted research under the sponsorship of TÜBİTAK, and the US National Science Foundation of USA. She began working in the Department of Industrial Engineering of the Faculty of Engineering at Başkent University in 2005, and currently serves as dean.

Dr. Dengiz has conducted research in fields such as complex systems simulation, simulation optimization, meta heuristic optimization of large-scale systems, and industrial applications using deep learning, with funding from national and international institutions such as the Scientific and Technological Research Council of Turkey (TÜBİTAK), Government Planning Center of Türkiye (DPT), GU and Başkent University BAP, and the National Science Foundation of USA. She has published, nationally and internationally, a total of around 160 research articles, conference reports, and book chapters, and has been cited in over 2600 works.

Dr. Dengiz has served in various capacities on numerous national and international committees and boards, such as Advisor to the Central Bank of Turkey for General Directorate for Information Management, Statistics and Economic Monitoring, as a member of the steering committee for the Council of Engineering Deans, and as a member of the TUBITAK Engineering Research Group Advisory Committee.

For her contributions to the fields of operations research and management science, and her research on topics concerning women engineers, in 2011 she received the Women in Operations Research and Management Science (WORMS) award by the Institute for Operations Research and the Management Sciences (INFORMS). In addition, she was awarded "Leading Woman in Science" by the Turkish Association of University Women, and received the "Woman of Science" award by the International Federation of Business and Professional Women.

Panel Speaker V



Halil Kulluk
Founder and Chairman
Intekno Group of Companies
Istanbul, Turkey

Halil Kulluk is the Founder and Chairman of Intekno Group of Companies. He received his B.Sc. in Production Engineering and Management from the University of Nottingham, England, and his M.Eng. in Mechanical Engineering and Robotics from Carnegie Mellon University (CMU). During 1984-1986 he worked as a Research Engineer and System Scientist in the Robotics Institute of CMU. Later, he was appointed Director of Flexible Manufacturing Laboratory and became the co-principal investigator of "Factory of the Future for Small and Medium Sized Manufacturers" project which was supported by Ben Franklin Partnership of Pennsylvania.

In 1988, he founded the Manufacturing and Engineering Technology Application Center (METAC) within the Robotics Institute and served as the Director of the Center for five years. At METAC, he was actively involved in the creation and application of technology

transfer models between the university and industry in the fields of robotics, computer integrated manufacturing, artificial intelligence and expert systems. He was also appointed Adjunct Professor by the Department of Mechanical Engineering where he taught in the area of manufacturing sciences. In 1987, Kulluk founded International Technology & Knowledge Company, Inc. (Intekno) in Pittsburgh. This spin-off company from Carnegie Mellon University acted as the foundation for Intekno Technology Transfer Corporation which was later started by Kulluk, in Istanbul, as a result of growing activities between the U.S.A. and Turkey. Hence, these two start-ups created the initial pillars for the formation of Intekno Group. At present, Intekno Group conducts business activities between U.S.A, Europe, Middle East and Turkey via the main fields of engineering & technology transfer – including construction and technical services, international trade, and venture investments. Halil Kulluk has been an Executive Advisor for PNC Bank of USA for activities related to the US Exim Bank in Turkey between 1999 – 2019 and since 2011 he has been Executive Advisor of Parsons Corporation in Turkey. He was chairman of the Advisory Board for AIESEC Istanbul branch and the Founding Advisory Board Member of Rumi Research and Application Center at Selcuk University in Konya, Turkey. In August 2007, he was elected to the Advisory Board of the Executive Entrepreneurship Program supported by Qatar Science and Technology Park and Carnegie Mellon University in Doha, Qatar. He is also the Immediate Past Chairman of Business Advisory Council for South Eastern Europe (BACSEE). Since 1997 he has been a member of DEIK (Foreign Economic Relations Board of Turkey) and chairman of several country specific business councils. Currently, he is the chairman of DEIK's Turkey – Finland Business Council. He speaks English and French fluently. He is married and has two children.

Women in Industry and Academia Panel

4:00 – 5:45 pm, March 8, Tuesday

Room – Virtual Room 6

Panel Chair



Prof. Dr. Funda Sivrikaya Serifoglu
Advisor to the President of Istanbul Aydin University
Founding President of TULIP

Prof. Dr. Funda Sivrikaya Serifoglu is currently working as the advisor to the President of the Board of Trustees of Istanbul Aydin University, as a professional Adler coach, as a social entrepreneur, as a leader in woman leadership projects, and as a voluntary mentor in several social programs. She is a founding member of the Women Studies Unit at the Higher Education Council of Turkey. She also serves as a team leader in institutional evaluation and institutional accreditation programs of the Turkey Higher Education Quality Council.

She is the founding president of Duzce Technopark and the founding rector of Duzce University, Turkey, which is ranked among the 50 most innovative and entrepreneurial universities of Turkey. The university is founded on the principle to utilize the scientific knowledge in project partnerships with stakeholders to support the sustainable development of the region and to contribute to the welfare of the people living therein. It has been awarded the European Entrepreneurship Award in May 2011 with one such project.

Prof. Dr. Sivrikaya Serifoglu served as the project coordinator of the pioneering strategic planning project in Turkey for sustainable development at the province level in Duzce. In addition, she led various pioneering projects and programs including, but not limited to education, woman leadership, accountability, endangered languages, social security, health, disadvantaged people, and so on.

Prof. Dr. Sivrikaya Serifoglu is also the founding president of IWF Turkey, which is the Turkey chapter of International Women's Forum, a leading women leadership network with over 7000 members across six continents. She visited several European Union (EU) institutions as an invited guest by the European Parliament and the European Commission within the European Union Visitors Programme (EUVP) in 2008. She was also invited to take part in the State Visitor Leadership Programme of the American Government in 2010.

Prof. Dr. Funda Sivrikaya Serifoglu received her B.S. (valedictorian) and Ph.D. degrees in Industrial Engineering from Boğaziçi University, Turkey, and her M.S. degree in Engineering Economic Systems from Stanford University, USA. She has publications in international and national scientific journals, and has also served as both an editor and a reviewer for scientific journals.

She has been awarded Women Who Make A Difference Award by International Women's Forum in 2015, International Caucasian Award by the International Caucasian Association in 2018, and The Special Award by the Women Who Shatter The Glass Ceiling Platform in 2018. Prof. Dr. Funda Sivrikaya Serifoglu is married and has a daughter and a son, of ages 29 and 23, respectively.

Panel Speaker I



Prof. Dr. Aytül Erçil
Professor of Computer Vision
Sabancı University, Istanbul, Turkey

Prof. Erçil has received a B.S. in Electrical Engineering and a B.S. in Mathematics from Boğaziçi University in 1979, M.S. and PhD in Applied Math from Brown University in 1980 and 1983 respectively. She has then worked at General Research Laboratories for five years as senior research scientist and staff research scientist. She has been a faculty member and founding director of BUPAM Pattern Analysis and Machine Vision Laboratory at Boğaziçi University in 1988-2001 and has been a faculty member and founding director of VPALAB Computer vision and Pattern Analysis Laboratory at Sabancı University in 2001-2013. Prof. Erçil has directed many international projects (Nato, FP4, Eureka, NSF, FP6, Nedo, FP7, Horizon 2020). She has been the founding president of TOTIAD – Turkish Pattern REcognition and Image Analysis Society and executive board member of IAPR, International Association of Pattern Recognition. Her work has received many awards including 'International Achievement award, Eureka Success story, Endeavor Entrepreneur, Technology award finalist, Veuve Clicquot high impact female entrepreneur of the year award – Turkish

representative, First prize in Machines and Accessories Production Technologies award, 'Turkey's female entrepreneur' award, 'Crystal Tree woman entrepreneur of the year' award, 'ANSIAD academian of the year' award, "Microsoft Woman leader in Information Technologies" award, Selcuk Yasar "entrepreneurship, innovation" award, 'EY Startup of the Year Award', IWEC Foundation 2020 Business award, META Women in Tech award. She is a board member at Nobel Pharmacy, member of Allianz International Advisory board, member of Swiss Innovation Valley advisory board and a member of the joint scientific and industrial advisory board of European Machine Vision Association. Prof. Erçil was the founding person and CEO of Vistek A.Ş. since 2006 which was acquired by ISRA Vision A.G. in 2013. She is currently co-founder and co-CEO of Vispera A.Ş and co-founder of Rebuslabs Ltd. She is also a certified angel investor and a board member at Kagider – women entrepreneurs organization – Turkey.

Panel Speaker II



Dr. Melsa Ararat
Founding Director of Corporate Governance Forum of Turkey (CGFT)
Professor, School of Management
Sabancı University, Istanbul, Turkey

Dr. Melsa Ararat, the founding director of Corporate Governance Forum of Turkey (CGFT) and a professor at Sabancı University School of Management, is a corporate governance (CG) expert with more than 20 years experience in CG reforms and practices, with emphasis on family controlled conglomerates and international joint ventures. She was a member of the CG Committee, which developed CG Principles issued by the Capital Markets Board of Turkey in 2003, and an advisor to S&P's Governance Services between 2004 and 2008. Currently a scholar of Corporate Governance and Business Ethics, she has a corporate background and has held senior management and board positions in Turkey, the Benelux, Singapore and Japan within Philips group prior to her academic career.

Listed in Marquis Who's Who as an educator, Dr. Ararat's scholarly background is Management and Strategy. She is actively involved in policy work as a consultant to the World Bank Group since 2004. She is an academic member of ECGI (European Corporate Governance Institute), a member of NSFM (Network for Sustainable Financial Markets), an advisory member of UN PRI SSE (Principles of Responsible Investing-Sustainable Stock Exchanges), an advisory board member of CBI (Climate Bond Initiative) and an active member of ICGN (International Corporate Governance Network). She sits in ICGN's Awards Committee and Business Ethics Committee. Dr. Ararat is the director of Independent Women Directors Project and Business Against Domestic Violence Project in Turkey.

Dr. Ararat's research and commentaries on CG and sustainable investing in Turkey are the most often cited. She coordinates IFC supported global EMCGN (Corporate Governance Emerging Markets Research Network), which brings together the leading scholars and practitioners since 2007 in support of CG reforms in emerging economies. Dr. Ararat also chairs the Academic Board of TKYD (Corporate Governance Association of Turkey). Dr. Ararat's specific expertise includes Sustainable Investing. She launched the CDP Climate Change Project in Turkey in 2009 and CDP Water Project in 2015. She authored Sustainable Investing in Turkey and Sustainable Investing in Key Emerging Markets in 2010 and assisted Borsa Istanbul in revitalising the Sustainability Index project prior to its launch in 2014. She leads the local analysts that assess sustainability performance of the firms included in the Index.

Panel Speaker III



Dr. Paula Carroll
Associate Professor, School of Business
University College Dublin, Belfield, Dublin, Ireland

Paula's background is in electrical engineering (Kevin St., DIT, 1986). She has an MSc in Computer Science (DCU, 1996) and a Masters in Management Science from the Smurfit School of Business (UCD, 2005). Her PhD was in the field of Combinatorial Optimisation. Her PhD thesis was titled "The Ring Spur Assignment Problem". Paula has considerable experience in both academia and industry. Prior to joining UCD she worked as a Software Developer with the ESB (Ireland's semi-state electricity company), in Quality Assurance with DEC (Digital Equipment Corporation) and in Business Planning and Management (an MIS role) with eir (Ireland's former incumbent telco). She has also lectured in DCU. Paula was academic director of the Bachelor of Commerce (International) programme from 2013 – 2017. She is founder and chair of the EURO WISDOM Forum to promote, support, empower, and encourage the participation of all genders in Operations Research (OR) and Management Science (MS). OR&MS are advanced analytical techniques to model and solve challenging real world problems. EURO is the Association of European Operational Research Societies.

Panel Speaker IV



Prof. Dr. Rana Sanyal
 Department of Chemistry Professor
 Center for Life Sciences & Technologies Manager
 Boğaziçi University
 Co-Founder & CSO, RS Research, Istanbul, Turkey

Prof. Sanyal graduated from Bogazici University with a B.S. degree in Chemical Engineering and continued her studies at Boston University on synthetic organic chemistry and received her Ph.D. degree in Chemistry. Prof. Sanyal started her career as a research scientist in Amgen Inc., Thousand Oaks, California, where she gained extensive experience in medicinal chemistry. Since 2004, she is a faculty member at the Department of Chemistry at Bogazici University. Her current research interests focus on biotechnology and pharmaceuticals, including targeted polymer drug conjugates. She has received L'Oreal Turkey for Women in Science, Novartis Pharmaceutical and Medicinal Chemistry Drug Design, Promising Woman Entrepreneur of Turkey and Turkish National Academy of Sciences Young Investigator awards. Prof. Sanyal has been named one of the three Cartier Women's Initiative

2021 Global Science and Technology Pioneer Award fellows. She is an inventor or co-inventor of over 50 issued patents or pending applications. Since 2013, she is the director of the Center for Life Sciences and Technologies, an international center of excellence, at Bogazici University. Rana Sanyal is also the Co-Founder and Chief Science Officer of RS Research, a biotechnology start-up developing novel nanomedicines, established to enable preclinical research advance to the clinic.

Panel Speaker V



Dr. Zümbül Atan
 Associate Professor of Supply Chain Management
 OPAC Group (Operations, Planning, Accounting and Control)
 Department of Industrial Engineering and Innovation Sciences
 Eindhoven University of Technology (TU/e), Netherlands
 Research Director of the European Supply Chain Forum's FMCG Community

Zümbül Atan is an associate professor of supply chain management in the OPAC group (Operations, Planning, Accounting and Control) of the Department of Industrial Engineering and Innovation Sciences at Eindhoven University of Technology (TU/e). She is the Research Director of the European Supply Chain Forum's FMCG Community. Zümbül's research is broadly focused on multi-echelon inventory theory, retail operations and revenue management. Zümbül has conducted a large number of projects with industry mainly through Master students. Her research is published in leading journals (including Manufacturing & Service Operations Management, Production and Operations Management, IIE Transactions, Naval Research Logistics, European Journal

of Operational Research). Zümbül chairs the Dutch Operational Management and Logistics Conference and she has been in the scientific committees of multiple international conferences. She has earned multiple university- and departmental-level teaching awards.

Industry 4.0 Panel

2:00 – 3:45 pm, March 9, Wednesday

Room – Virtual Room 6

Panel Chair



Dr. Gündüz Ulusoy
 Emeritus Professor of Industrial Engineering
 Sabancı University
 Tuzla, Istanbul, Turkey

Gündüz Ulusoy received his BSc in mechanical engineering from Robert College, Istanbul in 1970; an MSc in mechanical engineering from the University of Rochester in 1972 and a Ph.D. in operations research from Virginia Tech in 1975. He served in the Department of Industrial Engineering, Boğaziçi University in Istanbul as a faculty member (1976-1999) and as Head of Department (1985-1993). He also served as Vice President of Boğaziçi University (1992-1994). In 1983, he worked as a postgraduate research fellow in the Operational Research Department in Lancaster University. He spent a year on leave from Boğaziçi University in the industry. He was a member of the Executive Board of the Turkish Scientific and Technical Research Council (1993-1997) and Chairman of the Executive Board of the Marmara Research Center (1995-1997). He served on the Executive Board of the Turkish Quality Association (1998-2002) and chaired its Quality Award Committee (1998-2002). He also served on the Board of Boğaziçi University Alumni Association (1988-1991) and the Board of Elginkan Foundation (1994-2000). He is a founding member of the Science Foundation and the Turkish Informatics Foundation.

In 1999 he joined the Faculty of Engineering and Natural Sciences at Sabancı University and established the Manufacturing Systems Engineering Program. He founded and became the Co-Coordinator of the Leaders for Industry Program (2001-2004). He founded the TUSIAD-Sabancı University Competitiveness Forum and served as its Director (2003-2008). He was a member of the Standing Committee on Sustainable Competitiveness of the Manufacturing Industry established by the Office of the Prime Minister of Turkey (2007-2010). Since 2015 he has served as an Emeritus Professor at Sabancı University. He received Teaching Awards at Boğaziçi University and Sabancı University.

In collaboration with TUSIAD and the related Trade Associations, he studied competitive strategies and sectoral benchmarking in the Turkish automotive, cement, electronics, white goods, and machine manufacturing industries. He conducted research on technology and new product development management in the Turkish automotive parts and components industry and on the new product development capability of the Turkish electronics industry. As a UNICE Competitiveness Working Group member in Brussels, he contributed to its competitiveness, entrepreneurship, and innovation research.

His primary research areas are competitiveness, innovation, digitalization and manufacturing strategies, and project management and scheduling. He has published research articles in Interfaces, Operations Research, Journal of the Operational Research Society, European Journal of Operational Research, International Journal of Production Economics, International Journal of Production Research, IIE Transactions, International Journal of Production and Operations Management, Journal of Operations Management, Naval Research Logistics, Computers & OR, and Frontiers of Engineering Management. He was an Associate Editor of the European Journal of Operational Research (1981-2000), and Contributing Editor to the International Abstracts in Operational Research (1978-1992), Chief Editor of the Turkish Journal of Operational Research (1983-1985), and served as the Guest Editor for several academic journals. In 2021, the textbook he co-authored with Öncü Hazır and titled An Introduction to Project Modeling and Planning was published by Springer Nature.

Panel Speaker I



Heiko Schwindt
Vice President Sales, Bosch Connected Industry
Baden-Württemberg, Germany

Bosch Connected Industry

Heiko Schwindt has been responsible for sales, marketing, consulting and partner management at Bosch Connected Industry since June 2020. This division of Robert Bosch Manufacturing Solutions GmbH offers customers across different industries a comprehensive software and service portfolio for digital manufacturing and logistics. Before assuming this role, Heiko served as Vice President of Bosch Rexroth's Automation & Electrification Solutions business unit at Bosch Rexroth Corporation in USA from September 2017 through May 2020. He joined Bosch Rexroth in 2000 and has held several roles including VP Service Industrial

Applications, VP Industry Sector Machine Tools and Automotive, VP Product Areas Tightening and Welding Systems, and Director System Development Machine Tools. Prior to that, he was CTO of an engineering company for automation systems in Germany for 12 years. During his long-term career in industrial production he gathered comprehensive experience in automation and IIoT solutions for the Factory of the Future. Heiko Schwindt holds a Bachelor and Master of Science degree in Telecommunication and Automation from the University of Bremen, Germany.

Panel Speaker II



Haldun Dingec
Production Technologies Director
Arçelik Global
Istanbul, Turkey

He received his BSc and MSc degrees in mechanical engineering from ODTÜ. He started his career as a Product Engineer in the Quality Assurance Department of Arçelik Refrigerator Plant in 1993, and he was appointed as System Engineer in 1995, Product Development Engineer in 1996 and System Design Team Leader in 1998. In 2003, he was appointed as Quality Assurance Manager at S.C. Arctic S.A., and he worked as Production Manager at Arctic S.A in 2004-2006, R&D Manager of Refrigerator Plant in 2006-2012, Defy Appliances Pty Ltd. Product and Production Technologies Director in 2012-2013, Dishwasher Product Director in 2013-2016 and as Refrigerator Product Director in 2016 – 2019. He has been serving as Production Technologies Director since 2019 and managing the digital journey of Arçelik technology group. Dingec, born in Eskişehir in 1969, is married and has 3 children.

Panel Speaker III



Efe Erdem
Executive Director, MEXT Technology Center
MESS (Turkish Employers' Association of Metal Industries)
Istanbul, Turkey

Efe Erdem has been the Executive Director of MEXT Technology Center at MESS (Turkish Employers' Association of Metal Industries) since December 2018. He led the establishment of the Technology Center from concept phase to operationalization. The Center is focusing on the digital transformation of the industry by providing companies with a comprehensive up-skilling program, technical advisory services, access to a state-of-the-art Digital Factory and an extensive ecosystem of partners including technology companies, universities, and start-ups. At the same time, he is the Director of the WEF (World Economic Forum) Affiliate Center for Fourth Industrial Revolution in Turkey, which acts as a public-private collaboration platform for technology governance. In addition, he is currently leading the 'New Generation Industry' Working Group at TÜSIAD (Turkish Industry & Business

Association). Prior to this, he was Head of Innovation at Ford Otosan and led all company initiatives regarding corporate entrepreneurship and open innovation. In that capacity, he was also a member of the company's Executive Committee. Previously, he held various roles in Product Development such as Commercial Vehicles Program Management and Powertrain Systems Integration in Turkey and the UK, as well as Manufacturing Engineering. He graduated from Industrial Engineering Department of Boğaziçi University, Istanbul and holds a Master's degree in Management Sciences from London School of Economics (LSE).

Panel Speaker IV



Turgut Çiçek
Quality & Manufacturing Engineering Director
TEI - TUSAŞ Engine Industries, Inc.
Eskişehir, Turkey

Turgut Cicek was born in Eskişehir, Turkey in 1976. He received his Mechanical Engineering BS degree in 1997 from Anadolu University (Eskişehir, Turkey), following his technical high school education at the Aircraft Engine Maintenance Department between 1989-1993. He received his MS degree from Osmangazi University (Eskişehir, Turkey) in Mechanical Engineering in 2000 and earned his MBA degree from Istanbul Bilgi University in 2015. Mr. Cicek's professional career started at 1st Air Supply and Maintenance Center, Modernization Department as Project Engineer in 1997. After this, in 1999, he began to work as Process Engineer at TUSAS Engine Industries. Then, he had respectively held the Manufacturing Engineering Leader and Manufacturing Engineering Manager positions. Since 2012 he has been working as the Quality and Manufacturing Engineering Director, leading manufacturing, quality, special process, and NDT engineering teams. His department is responsible for project management and new product introductions (NPI) for several aircraft engine programs, serial production engineering support, manufacturing process improvements, investment management, new technology implementations including industry 4.0 applications, new product and project quotations, assurance of quality systems and total quality activities. He is also a Board Member of Gürmetal Hassas Döküm

Sanayi A.Ş., which is a subsidiary of TUSAS Engine Industries.

Panel Speaker V



Murat Ateş
Digital Transformation Director
Maxion Wheels Turkey Operations
Istanbul, Turkey

Murat Ateş has been the Digital Transformation Director of Maxion Wheels Turkey Operations since November 2018. Previously, he was assigned as the Digital Transformation Managerin that same Company. He has been responsible for the construction, machinery, electrical systems, utilities, and commissioning of two plants of Maxion Wheels. He was involved in installing the energy monitoring system and its combination with the MES system; automation and SCADA system for all machinery; redesign and revision of 70 casting machines; installation of the maintenance organization and management system. Mr. Ateş has managed 46 digitalization projects such as traceability, energy analitic, predictive maintenance, visual defect detection, etc. Mr. Murat Ateş was employed in that Company beginning in 2005 as a maintenance engineer, and later as Maintenance Chief and Maintenance Director. In 2004-2005, he was an electrical maintenance engineer at Ege Endüstri. He has a BSc degree in Electronics Engineering from Erciyes University.

Global Supply Chain and Logistics Panel

2:00 – 3:45 pm, March 9, Wednesday

Room – Virtual Room 5

Panel Chair



Prof. Dr. Gülçin Büyüközkan
 Dean of Engineering and Technology Faculty
 Head of Industrial Engineering Department
 Galatasaray University, İstanbul, Turkey
 Logistics Association (LODER) Vice President

Prof. Dr. Gülçin Büyüközkan received her undergraduate degree in Industrial Engineering from Istanbul Technical University in 1993, her master's degrees from ENSGI (Ecole Nationale Supérieure de Génie Industriel) in France in 1996, and Boğaziçi University in 1997. She continued her doctoral thesis studies in Industrial Engineering in INPG (Institut National Polytechnique de Grenoble) Grenoble, France, thanks to the overseas doctoral scholarship given to her by the Council of Higher Education. Benefiting from the Région Rhône Alpes European Union Doctoral Scholarship, Dr. Büyüközkan also worked at Université Laval, Québec, Canada during her thesis studies.

Professor Büyüközkan has been working as a researcher and instructor at the Department of Industrial Engineering, Galatasaray University since 1994. She is the head of the department since 2015 and has been appointed as the Dean of the Faculty of Engineering and Technology since 2020.

Being a member of the Board of the Logistics Association (LODER) since 2008, Prof. Büyüközkan served as the Chairman of LODER (March 2013-March 2016), Vice-Chairman of LODER (March 2010-March 2013/March 2016-Today), and Secretary-General of LODER (March 2008-March 2010). She is actually the editor of Logistics Journal and LODER Bulletin and has been also writing columns in this journal and bulletin. Prof. Büyüközkan leads the activities of the Supply Chain Professionals Club (SCP Club), of which LODER is a founding partner. On the behalf of LODER, she organizes professional events on automation and legal regulations for supply chains. She takes an active role in developing Logistics System Standards (LSS) carried out in cooperation with LODER and BM Trada.

Prof. Büyüközkan's research interests include logistics and supply chain management, digital transformation, sustainability, new product development, multi-criteria decision-making, and the application of intelligent techniques in these areas. She worked as a project manager or coordinator in several European Union and TUBITAK projects. She has authored or coauthored more than 100 SCI-E articles in journals, such as the International Journal of Production Research, the International Journal of Production Economics, Production Planning & Control, Information Sciences, Applied Soft Computing, Computers in Industry, Computers & Industrial Engineering, Expert Systems with Applications, Soft Computing, Energy, European Journal of Operational Research, Computers & Operations Research, IEEE Transactions on Engineering Management, Socio-Economic Planning Sciences, Transportation Research Part D-Transport and Environment, Supply Chain Management: An International Journal, Journal of Air Transport Management, Measurement, International Journal of Intelligent Systems.

Prof. Büyüközkan provides consultancy and industrial trainings on various subjects such as strategic management, logistics and supply chain management, digital transformation, strategic consultancy services focused on establishing innovative systems, system improvement, technology, and digitalization.



Prof. Dr. Elif Kongar
 Associate Dean for Graduate Studies and Research
 School of Engineering
 Fairfield University
 Connecticut, USA

Dr. Elif Kongar is Associate Dean for Graduate Studies and Research in the School of Engineering at Fairfield University. She also holds a Lecturer position at Yale School of Management. Prior to these appointments, Dr. Kongar was Professor of Technology Management and Mechanical Engineering and Chair of the Technology Management Department at the School of Engineering at the University of Bridgeport (UB). During her tenure at UB, she established several research programs, graduate concentrations and coursework in interdisciplinary areas including predictive analytics, data visualization, statistical analysis, supply chain management and logistics, simulation and modeling, economic and environmental sustainability, and service management and engineering. Dr. Kongar is Founding Director of the Ph.D. Program in Technology Management at UB--the only Ph.D. program of its kind in the Northeast; and one out of a handful of such programs in the U.S--; and have served in this role since the inauguration of the program in September 2014.

Dr. Kongar utilizes quantitative and qualitative methods in her interdisciplinary and technology-driven research. She has published over one hundred well-cited papers in scholarly journals and conference proceedings. Her research areas include economically and environmentally sustainable waste recovery systems and operations, disassembly sequencing and planning, electronic waste, performance evaluation, big data and data analytics, quality improvement, engineering education programs, female participation and efficiency in engineering disciplines and in K-12 STEM education. Dr. Kongar is the Department Editor of the IEEE Transactions on Engineering Management and an active member of various national and international technical committees, advisory boards, program committees and editorial boards. She is an elected member of the IEEE Technology and Engineering Management Society (TEMS) Board of Governors, and has served as Chair of the IEEE TEMS Professional Training and Education Adhoc Committee. Dr. Kongar earned her Ph.D. in industrial engineering from Northeastern University and her BS and MS in industrial engineering from Yıldız Technical University, Turkey. The title of her presentation on the Panel is the "E-waste and sustainable supply chain".



Tolga Günel
 Supply Chain Leadership Partner
 Gartner
 London, England, UK

Tolga İzzet Günel is a Supply Chain Leadership Partner in Gartner in the UK since October 2021. Prior to that he led the Business Improvement team in Premier Foods for 3 years in the UK. He led the Global Supply Chain Operations of Hayat Kimya between 2015-2018 and Eczacıbasi Building Products Group between 2011-2015.

He started his career in 1996 in P&G as materials and production planner in the Fabric Care factory in Istanbul. In 1999, he moved to Belgium to lead Stock Control and Internal Controls then to lead the Distribution Center Operations of P&G Belgium. Between 2002 and 2003, he led the SAP R3 implementation for the whole supply Chain operations with its factories, distribution centers and co-manufacturers.

In 2004, he moved back to Istanbul to lead the demand planning and S&OP for Health and Beauty Care products for the Turkish market. Between 2006-2007, he took the Human Resources Group Manager role to lead the CEEMEA region's Supply Chain HR activities in Geneva, Switzerland. Between 2007 and 2011, he led the Supply Chain Operations of P&G's Global Development Markets organizations.

Tolga İzzet Günel was graduated from Bilkent University Industrial Engineering department in 1996.

The title of his presentation on the Panel is the "The Path to Success in Supply Chains: Strategic Partnerships and Ecosystems".



Arzu Sevencan
Supply Chain Group Manager
Kordsa
İstanbul, Turkey

Industrial Engineer, BSc (from Yıldız Technical University), with Engineering Management, MSc (from Istanbul Technical University) and Executive MBA degree from Sabanci University.

Experienced in different industries and companies in project management, resource management and different fields of supply chain.

Resourceful and results-driven supply chain professional with 18 years of experience managing overall supply chain operations. Proven record of success building, leading, and coaching high-performing teams, implementing ERP systems, including, developing and optimising processes, enhancing operational efficiencies, increasing productivity, streamlining supply chain flow, and directing large-scale projects. Adept at maximising revenue growth, identifying cost effective sources, driving tactical development in distribution networks, and resolving problems/issues whilst meeting stringent deadlines. Strong communication and negotiations skills with well-honed ability to build robust relationships with key stakeholders, vendors, suppliers, and business clients, achieving challenging business goals.



Dr. İsmail Karakış
Supply Chain Leadership Partner
PwC Turkey
Istanbul

Dr. İsmail Karakış holds BSc Degree in Industrial Engineering in 2004, MSc Degree in Engineering Management in 2007, and PhD Degree in Industrial Engineering in 2014 from Istanbul Technical University.

İsmail has 17+ years of management consulting and industry experience. He has been working as a management consultant on Supply Chain area mainly focused on Sourcing & Procurement, Inventory & Warehouse Management and Logistics Management related areas, serving many national and international companies from strategy, operations, and technology perspectives. He completed many operational strategy, operating model design, process, organization and technology transformation projects in more than 20 countries. İsmail has participated in several national and international logistics and supply chain management conferences & events as speaker and academic paper presenter.

He is currently working as Partner and Supply Chain Services Leader at PwC Management Consulting.



Dr. Eren Özceylan
Associate Professor
Industrial Engineering Department
Gaziantep University
Gaziantep, Turkey

Eren Özceylan is an Associate Professor of Industrial Engineering Department at Gaziantep University. He received a PhD degree in Industrial Engineering from Selçuk University in 2013, and has postdoctoral research experience at the University of Northeastern in 2019. He received the Young Scientist Award from the Science Academy (BAGEP) in 2016. According to the Scopus citation report in 2020 (in terms of single career impact), Dr. Özceylan ranks 380th in the world and 3rd in Turkey in the field of operations research. His research interests are in mathematical modeling and optimization of a variety of problems in production and distribution planning, including logistics and network design, environmental conscious manufacturing, and location-allocation analysis. His work appeared in high impact journals such as Computers and Industrial Engineering, Transportation Research Part A, International Journal of Production Economics, International Journal of Productions Research and the Journal of the Operational Research Society. In recent years, he has been continuing his research on the topics of sustainable cities and green transformation in both national and international projects. The title of his presentation on the Panel is the "Effects of the European Green Deal on Logistics and Supply Chain".

Society. In recent years, he has been continuing his research on the topics of sustainable cities and green transformation in both national and international projects. The title of his presentation on the Panel is the "Effects of the European Green Deal on Logistics and Supply Chain".

EFQM Model: Global and Local Perspectives – Panel

11:30 am – 1:00 pm, March 10, Thursday
Room – Virtual Room 6

Panel Chair



Celal Seçkin
Management Consultant
Certified EFQM Trainer and Advisor

Celal Seçkin, the founder and managing director of Seçkin Consultancy and Training, works as a certified management consultant (CMC) mainly EFQM Model-related areas, has attended many international events as speaker, moderator, facilitator or organiser since 1990. He worked at Turkish Society for Quality (KalDer) for three years as Manager of the National Quality Awards Programme and at the European Foundation for Quality Management (EFQM) Brussels for four years as Manager of the EFQM Awards and contributed to the development of EFQM products such as the Model and training courses. He is a certified EFQM Partner as Trainer and Advisor. As a qualified EFQM Excellence Assessment Team Leader, Celal has led numerous organisational excellence assessments in public and private sectors and trained hundreds of assessors in many countries. He is currently representing Turkey at the International Council of Management Consultants Institutions (ICMCI) and is the chair of Professional Standards Committee

(PSC). He is highly motivated for continuous learning and passionate for working in multi-cultural environments and believes that the EFQM Excellence Approach is one of the key aspects that will contribute to a better future for human being.

Panel Speakers



Yoshiyuki KATO
Chair, Toyota-Boshoku Turkey

Kato is an exceptionally experienced quality expert, having spent over 30 years with the Toyota Boshoku Group in senior roles across the globe. In his previous role, which he has held since 2016, Kato was Vice President in charge of quality control within Europe & African region at Brussels. In addition to his broad quality experience, Kato also has top management experience in ARJ Manufacturing, LLC (later becoming Toyota Boshoku Tennessee). Kato graduated from Nagoya Institute of Technology in Aichi Japan, started his career in 1986 as a Quality Assurance staff in Araco (later becoming Toyota Boshoku). Kato is the President of Toyota Boshoku Turkey since 1 April 2019.



Dr. Aylin Tülay Özden
Managing Director, ProManage
Board Member, Doruk

Aylin Özden was born in İstanbul in 1967. She studied Computer and Control Engineering at İstanbul Technical University and had B.Sc. M. Sc. Degrees. While she was working on her Ph.D. she also worked as a research assistant at İTÜ. She was transferred to manufacturing industry as a research engineer at Simko-Siemens between 1993-1995. She worked as the Automation Dept. Manager of Interservis Textile Machinery Manufacturing Company between 1995-1998. She focused IT and digitalisation needs of Manufacturing beginning with this date. She is a founding partner of Doruk, established on 1998. Her responsibilities are to support, development, implementation of IoT based manufacturing management (MOM) systems, AI, AR implementations of ProManage, development of new product and services for the market, international expansion. She is the managing director of ProManage USA which has been founded at 2017 and operating at Chicago, IL. Özden is a member of KALDER, ENOSAD, DEIK and board member of these associations to support their operations. Özden is married and has two children.



Dr. Mehmet Çoban
Management Consultant
Academician, Aydın University

Mehmet Coban is a faculty member in İstanbul Aydın University, İstanbul and EFQM certified advisor and trainer behalf of Turkish society for quality. He earned B.S. in Business Administration from Anatolian university, master's in Management and Organization from Beykent university. Masters Occupational Safety from Marmara university and PhD Business Administration from Beykent university. He has a book that name is A Holistic View to Total Quality Management. He has published journal and conference papers and books chapters. Served as the Guest Editor for academic journals. He has taught courses in EFQM Model, change management, strategic management, self-assessment training, basic concepts of quality, problem solving. He served TQM coordinator, institutional quality management coordinator and change management coordinator long years. And last duty was Turkish excellence award secretary.

Industry Solutions Panel

2:00 – 3:45 pm, March 10, Thursday

Room – Virtual Room 6

Panel Chair



Dr. Ali Tamer Ünal
Professor of Industrial Engineering
Boğaziçi University
İstanbul, Turkey

Diversity and Inclusion Panel sponsored by Ford Motor Company

4:00 – 5:45 pm, March 10, Thursday

Room – Virtual Room 6

Panel Chair:



Professor Donald M. Reimer
Director of Membership and Chapter Development – IEOM Society
President, The Small Business Strategy Group, Detroit, Michigan, USA
Adjunct Faculty – A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering
Lawrence Technological University, Southfield, Michigan, USA

Donald M. Reimer is an adjunct faculty at the A. Leon Linton Department of Mechanical Engineering in College of Engineering at Lawrence Tech in Southfield, Michigan. He coordinates the Certificate of Entrepreneurial Engineering Skills. Mr. Reimer holds a Bachelor of Science degree in Industrial Management from Lawrence Technological University and a Master of Arts degree in Political Science from University of Detroit/Mercy. He is a Certified Management Consultant with over 35 years of experience in working with closely-held businesses. He

has taught courses in entrepreneurship, strategic management, corporate entrepreneurship and innovation for engineers. Mr. Reimer is a member of the Lawrence Tech Kern Campus Committee, Coordinator of the Lawrence Tech Innovation Encounter. He is faculty Advisor of the Collegiate Entrepreneurs' Organization. Mr. Reimer serves as a Kern Fellow of The Kern Family Foundation, Co-Direct of the Coleman Fellows Program, member of the National Collegiate Entrepreneurs' Organization Faculty Advisory Council and is a member of the American Society of Engineering Education. He has operated his own consulting company – The Small Business Strategy Group for 23 years. He published numerous articles on small business, entrepreneurship and strategic thinking. He has received several awards and recognition by local, state and federal agencies for his work in entrepreneurship and minority business development. Mr. Reimer served as member of the Minority Economic Development Committee of New Detroit. Mr. Reimer is member of the Small Business Advisory Council of the Detroit Regional Chamber of Commerce. Mr. Reimer is a member of Advisory Board of the Milwaukee Junction Small Business Assistance Center. He is also a member of the Applied Innovation Alliance. Mr. Reimer serves as a KEEN Fellow for The Kern Family Foundation and is a member of United States Association of Small Business and Entrepreneurship.

Panel Speaker I



Renée Ahee
President
In Other Words, LLC
Detroit, Michigan, USA

Renée Ahee is a public relations and marketing professional with more than 40 years in the corporate sector and private practice and executive management for non-profit organizations.

She established In Other Words, LLC, in 1999, predecessor to, which provides public relations services to profit and non-profit clients, such as Marygrove College in her role as director of communications and marketing, Ford Motor Credit Company, General Motors, Lawrence Technological University, National American Arab Nurses Association, Michigan Hispanic Chamber of Commerce, and the Council of Asian Pacific Americans.

In 2015-2016, she also served as chief executive officer of the Arab American Women's Business Council, a non-profit organization she co-founded, which provides education, professional development and networking opportunities for Arab American business and professional women, to put policies and procedures in place, and to create a new, interactive website and marketing materials. She

is currently board president of the National American Arab Nurses Association. Renée also serves on the board of Volunteers of America Michigan.

From 2009 till 2015, Renée was CEO of the National Arab American Medical Association. Also in her career, she was program coordinator for the Center for Arab American Studies at the University of Michigan – Dearborn. She holds a Bachelor of Arts degree in journalism and humanities from Marygrove College, Detroit, and a Master of Science in Finance degree in corporate finance with honors from Walsh College, Troy. She is a graduate of the Leadership Detroit XXVI program of the Detroit Regional Chamber.

Renée was recognized by her alma mater, Marygrove College, with its Distinguished Alumni Award. In 2016, Renée was selected as one of the POWER 25 Women in Detroit by Walker's Legacy as well as recipient of the President's Award from the National Arab American Medical Association. She was named one of the Top Ten Michigan Business Woman (Diversity Champion) from the National Association of Women Business Owners Greater Detroit Chapter in 2009.

Panel Speaker II



Ayşe Kaşıkırık
Women's Rights Advocate
PhD Candidate and Researcher
Political Science and Public Administration program
Istanbul University
Istanbul, Turkey

Ayşe Kaşıkırık was born in 1988 in Istanbul. She completed her primary, secondary and high school education in Istanbul and graduated from Fatih Ahmet Rasim Anatolian High School as the top student in 2006. She completed her undergraduate education at Istanbul Technical University, Department of Management Engineering with honors degree. She successfully defended her thesis on "Municipal Budgets with a Gender Equality Perspective: Fatih

Municipality" in the Political Science and Public Administration graduate program at Istanbul University Institute of Social Sciences in 2017. She is at the dissertation stage in her doctorate (PhD) education in Istanbul University Political Science and Public Administration program. Between 2013-2016, she worked as a researcher in leadership, entrepreneurship, performance management and human resources management projects at The Scientific and Technological Research Council of Turkey (TUBITAK). Between 2017-2020, she carried out projects with the focus on women-friendly cities, gender equality, gender responsive budgeting and equal representation of women as the project coordinator at KA.DER (Association for Supporting Women Candidates). She has managed more than 25 national and international projects in her professional life for more than 10 years. She continues her academic studies and projects in the fields of women studies, urbanization policies, social policies, gender equality and local governments as an independent researcher. Her numerous reports and articles in these fields were published in various scientific journals. She has founding memberships as well as being a volunteer in many national and international non-governmental organizations. She became the founding president of "The Global Equality and Inclusion Network (KAPI) in April 2021, with the idea of "More equal and inclusive world is possible". She aims to conduct original projects, research, publications and reports at KAPI. In this way, she targets to contribute to the learning, strengthening and solidarity of all fragile segments of society from each other.

Panel Speaker III



Debby Mitchell Covington
Director of Partnerships, Outreach and Retention
College of Engineering
University of Michigan
Ann Arbor, MI 48109, USA

Dr. Debby Mitchell Covington has 29 years of leading diversity initiatives for students, faculty, and staff. She brings 40 years of experience in program design, implementation and evaluation in higher education, human services organizations, and pre-K-12 schools. She currently serves as Director of Partnerships, Outreach and Retention for the University of Michigan, College of Engineering. Dr. Covington specializes in the recruitment and retention of underrepresented undergraduate and graduate students with a particular focus on developing partnerships with minority serving institutions. In 2020, she designed and implemented a bystander intervention to stop anti-Black Racism workshop for College of Engineering faculty, students, and staff equipping over 2,100 participants to date. Dr. Covington is a facilitator for the University of Michigan's Diversity, Equity and Inclusion Facilitators Engagement Program, and a member of the University of Michigan's Chief Diversity Officer's DEI Foundational Skills Initiatives Committee. Dr. Covington is certified in Strategic Diversity Leadership, Cultural Intelligence and Emotional

Intelligence. She holds a Doctorate in Ministry and Master's in Theology from Ashland Theological Seminary. Debby also holds a Master's in Social Work from the University of Michigan and a bachelor's degree in Urban Development-Racial and Ethnic Studies from Michigan State University.

Panel Speaker IV



Dwi Agustina Kurniawati, M.Eng., Ph.D.
Associate Professor, Industrial Engineering Department
Former Head of Industrial Engineering Department
Head of Faculty Quality System Controller
Faculty of Science and Technology
UIN Sunan Kalijaga, Indonesia

Ir. Dwi Agustina Kurniawati, S.T., M.Eng., Ph.D., IPM. is an Associate Professor in Industrial Engineering, Faculty of Science and Engineering, Universitas Islam Negeri (UIN) Sunan Kalijaga, Yogyakarta, Indonesia. She finished her bachelor's degree in Industrial Engineering from Bandung Institute of Technology (ITB), Indonesia in 2003. Then she pursued her master's degree in Advanced Manufacturing Technology, Universiti Teknologi Malaysia (UTM) and graduated in 2006. In 2016, she got her Ph.D degree in Systems and Engineering Management, School of Mechanical and Aerospace Engineering, Nanyang Technological University (NTU), Singapore.

She has published numerous papers, both in international journals and proceedings (conferences). She also has reviewed lots of journal papers in Industrial Engineering area, such as International Journal of Production Economics (IJPE), Operations Research for Health Care (ORHC), International Journal of Industrial and Systems Engineering (IJISE), Journal of Islamic Marketing (JIMA), etc. She also ever involved as consultant for some small and medium industries in her city.

Her current research is in supply chain, cross-dock warehouse, modelling system, operation research, scheduling and special issue in halal supply chain. She has received many research grants in her research area. Her biography is included in Who's Who in the World year 2015 and 2018 and Who's Who in Science and Engineering year 2016 and 2017 by Marquis Publication, USA. In addition, in 2021, she received IEOM Outstanding Service Award at The 2nd Asia Pacific Industrial Engineering and Operations Management (AP IEOM) Conference and Professorship Award "Dosen Teladan Mutu" from her university. She was the former Head of Industrial Engineering Laboratory and former Head of Industrial Engineering Department. Currently, she becomes the Head of Quality System Controller in her faculty, the Head of Optimization, Operation Research and Industrial Systems Research Group (ZORIS-RG) and the member of Halal Center UIN Sunan Kalijaga. She also becomes the Director of Webinar for IEOM Society Indonesia Chapter and the Faculty Advisor of IEOM Student Chapter UIN Sunan Kalijaga.

Panel Speaker V.



Prof. Abid Haleem
Professor, Department of Mechanical Engineering
Faculty of Engineering and Technology
Jamia Millia Islamia
New Delhi -110025, India

Dr Abid Haleem is a Professor of Mechanical Engineering, Jamia Millia Islamia (A Central University by an Act of Parliament) in New Delhi, India. He has been founding Honorary Director, Internal Quality Assurance Cell, of the University. Headed, Mechanical Engineering Department, and MBA (Evening) program at JMI. Dr Abid has also been an Honorary visiting Professor to IIT Delhi. Presently he is Regional Editor, Global Journal of Flexible Systems Management, Springer, Associate editor with JCOT (Elsevier), and i-Scholar. Conferred with the fellowship of AGBA and has professional & life membership of IIIE, ISME, ISTE, GIFT, SCL, IICC, and ISC. Also, he served as President and Secretary to Global Institute of Flexible Systems Management and AGBA. Attended 2019 Leadership Program (LEAP) of UGC MHRD at AMU & Ohio State University, USA.

With h index of 31 in google scholar (22 in SCOPUS) and more than 4000 citations has published more than 310 research articles of which more than 153 articles indexed in SCOPUS and three books to his credit. His latest book is "Handbook of Materials Management", published by Prentice Hall of India, while the latest edited book is, "An update on Medical 3D Printing" from Solubris. Has more than 33 years of teaching and research experience at graduate & higher level and has produced more than 27 PhD. Visited various academic institutions and industries in USA, UK, Singapore, Hong Kong, and Australia towards academic pursuits. Besides having consulting and arbitration experience, he also provides leadership in taking up different types of educational and allied programs in the field of Management & Technology. He has undertaken consultancy work with DFID, Govt. of Odisha, Ed. CIL etc. Worked as a High Court-appointed arbitrator for the construction project at DIAC, Dew Delhi. He has also executed various research and support projects of DST, AICTE, and UGC, and completed FIST funding.

He has been on the Board of Telecommunications Consultants India Ltd. as an Independent Director and advisor to DTDC Ltd. He has been a member of the Ad hoc Task Force (ATF) of Performance Management Group of Cabinet Secretariat of Govt. of India. It is on the advisory/research boards of various institutions and involved in multiple institutional activities related to policy planning, administration, accreditation, curriculum design, admission, evaluation & examination, and another educational process. His teaching & research areas include Technology Management, Supply Chain Management, Halal Supply Chain, Additive Manufacturing, Innovation, Sustainability, allied fields of Industrial Engg.

Submissions Received from Countries and Territories

1. Algeria	14. Finland	27. Latvia	39. Peru	52. Thailand
2. Australia	15. France	28. Lebanon	40. Philippines	53. Timor-Leste
3. Austria	16. Germany	29. Libya	41. Poland	54. Tunisia
4. Azerbaijan	17. Greece	30. Malaysia	42. Portugal	55. Turkey
5. Bangladesh	18. India	31. Mexico	43. Qatar	56. UAE
6. Brazil	19. Indonesia	32. Morocco	44. Saudi Arabia	57. UK
7. Canada	20. Iran	33. Netherlands	45. Singapore	58. USA
8. China	21. Iraq	34. New Zealand	46. Slovakia	59. Vietnam
9. Croatia	22. Ireland	35. Nigeria	47. South Africa	60. West Bank and Gaza
10. Czech Republic	23. Italy	36. Oman	48. Spain	61. Zambia
11. Ecuador	24. Japan	37. Pakistan	49. Sri Lanka	62. Zimbabwe
12. Egypt	25. Jordan	38. Papua New Guinea	50. Sweden	
13. Ethiopia	26. Kuwait		51. Taiwan	

Tutorial 1: Graph Analytics

by Dr. Gürdal Ertek of United Arab Emirates University

8:00 – 9:45 pm, Monday, March 7, 2022 – Virtual Room 6

Graphs are used extensively to represent systems composed of interconnected elements/components. Production sequences, project plans, social networks, maps, the Internet, and many other systems can be represented as graphs. Graphs consist of nodes and edges, where the nodes represent the system's components and the edges represent the relationships between these components. Graph analytics is the cross-disciplinary field that deals with the modeling and analysis of graphs to reveal the hidden patterns, relationships, and connections between data. This tutorial will provide a practical introduction to graph analytics, including graph metrics and graph layout methods.

Speaker Bio



Dr. Gürdal Ertek

Associate Professor

Management Department of Analytics in the Digital Era

UAE University (UAEU), Al Ain, UAE

Dr. Gürdal Ertek is an Associate Professor at UAE University (UAEU), Al Ain, UAE. He received his Ph.D. from Georgia Institute of Technology, Atlanta, GA, in 2001. Dr. Ertek served in educational and research organizations in Turkey, USA, Singapore, Kuwait and UAE, as well as an on-site reviewer for 50+ industrial R&D projects. His research and teaching areas include business analytics, applied data science, blockchain, supply chain management, project management, and R&D management.

Tutorial 2: From Data to Value

by Dr. Kemal Kılıç of Sabancı University

11:00 am – 12:15 pm, Monday, March 7, 2022 – Virtual Room 6

With the spread of digital transformation in every aspect of our lives, autonomous agents that make decisions based on data become more visible in business life. Data analytics, particularly prescriptive data analytics, is the term that is used to refer to the techniques and approaches that enable these autonomous agents to initiate an action that yields value based on the available data. Prescriptive data analytics is a two-phase process: the first phase is where the meaning is given to the data, i.e., the information hidden inside the data is revealed and brought to the surface, and the second phase is where the decisions are made based on the information attained as the result of the first phase. During the first phase, various techniques and methods are used from different fields such as statistics, visualization, machine learning. The second phase, i.e., the decision-making phase mostly relies on optimization, simulation, etc. Recently, prescriptive data analytic solutions for various business domains such as operations/supply chain, manufacturing, marketing, finance, human resources, etc., are being developed. The tutorial will introduce the fundamental terminology and later provide some use cases and best practices where prescriptive data analytics create value for various business domains.

Tutorial 3: Innovation Practices

by Dr. Kemal Kılıç of Sabancı University

12:15 – 1:30 pm, Monday, March 7, 2022 – Virtual Room 6

Digital transformation is creating an ecosystem with unprecedented volatility, uncertainty, complexity, and ambiguity, which is usually referred to as the VUCA world. Making the right decision is hard, but in VUCA, it is even more challenging. Humans usually rely on their intuitions (i.e., knowledge based on experience, clinical judgment, etc.), or sometimes prefer analytical models that are based on evidence while making decisions in their daily routines, i.e., in environments that can be considered deterministic or under risk (i.e., known unknowns). However, in an environment that is out of their comfort zone, e.g., where the unknowns are unknown, relying on either end of the spectrum (intuition or analytical models) has inherent problems and biases. Thus, in such environments, we usually rely on a hybrid approach, referred to as Disciplined Intuition by Daniel Kahneman. On the other hand, the entrepreneurs' and innovation teams' daily routines are all about making decisions in uncharted territories of the unknown unknowns. Innovation Practices, namely, Design Thinking (DT) and the Lean Startup (LS), seem to be the guides of the successful entrepreneurs and innovation teams in their journeys. In this tutorial, we are going to introduce the basics of both DT & LS (i.e., the history, the process, the toolbox, and the philosophy) to create awareness among the participants and discuss how they can be incorporated into the process of disciplined intuition, which seems to be a necessary skill to succeed in VUCA world.



Dr. Kemal Kilic

Associate Professor, Faculty of Engineering and Natural Sciences
Sabanci University, Istanbul, Turkey

Dr. Kemal Kilic received the B.Sc. degree from the Electronics Engineering Department, Bogazici University, Istanbul, Turkey, M.Sc. degree from Industrial Engineering Department, Bilkent University, Ankara, Turkey and PhD degree from the Mechanical and Industrial Engineering Department, University of Toronto, Canada. He is currently an associate professor in the Faculty of Engineering and Natural Sciences, Sabanci University, Istanbul, Turkey. His current research and teaching focus includes data analytics, innovation management, digital transformation and decision making. Dr. Kilic served as Board Member in Information Technologies Panel of the Scientific and Technological Research Council of Turkey (2014-2015), Panel Board Member of NATO System Analysis and Studies (SAS) Group (2015-2018) and Member-at-Large of NATO SAS Panel (2018-...). He has published over 70 scientific papers in various SCI-Indexed journals and proceedings of well-known international conferences. He has been heavily involved in development of various industrial education and leadership development programmes for leading groups and conglomerates of Turkey regarding to digital transformation, innovation management and data analytics at the Executive Development Unit (EDU) of Sabanci University.

Tutorial 4: Blockchain

by Dr. İsmail Hakkı Polat of Kadir Has University
2:45 – 4:00 pm, Monday, March 7, 2022 – Virtual Room 6

A blockchain is a distributed database shared among the nodes of a computer network. As a database, a blockchain stores information electronically in digital format. Blockchains are best known for their crucial role in cryptocurrency systems, such as Bitcoin, for maintaining a secure and decentralized record of transactions. The innovation with a blockchain guarantees the fidelity and security of a record of data and generates trust without a trusted third party. One key difference between a typical database and a blockchain is how the data is structured. For example, a blockchain collects information together in groups, known as blocks, that hold sets of information. Blocks have certain storage capacities and, when filled, are closed and linked to the previously filled block, forming a chain of data known as the blockchain. All new information that follows that freshly added block is compiled into a newly formed block added to the chain once filled. A database usually structures its data into tables, whereas a blockchain, like its name implies, structures its data into chunks (blocks) that are strung together. This data structure inherently makes an irreversible timeline of data when implemented decentralized. When a block is filled, it is set in stone and becomes a part of this timeline. Each block in the chain is given an exact timestamp when added to the chain.



Ismail Hakkı Polat

New Media Lecturer
Kadir Has University, Istanbul, Turkey

Ismail Hakkı Polat graduated from The Middle East Technical University Electrical & Electronics Engineering Department in 1989. In his professional carrier, he mainly worked in the globally leading telecommunications companies such as Siemens, Nortel, Ericsson and Turkcell in different positions ranging from engineering to executive management.

Since 2004, he has been lecturing on New Media at Kadir Has University as well as setting up the new media services of local media conglomerates such as Dogan Holding, Merkez Broadcasting & Publishing Group and Ciner Media Group as an active consultant. He also worked for BBC Media Action as a freelance consultant during the preparation of New Media Journalism Curriculum in Baku Slavic and Baku State Universities.

Polat is the initiator of Turkey's first New Media University Department in Kadir Has University as well as being the Founding President of The Digital Transformation Association in Turkey further to his course module authorship for Mobile Journalism at Open School of Journalism in NYC. As being one of the pioneering Blockchain and Cryptocurrency Lecturers at University level, he also serves as a cryptocurrency advisor & mentor for several startups such as OwnData, Glad, Bundle, Krypted, Orchestra and more. Polat has a column in Bloomberg BusinessWeek Turkey where he weekly shares his opinions on #NewMedia, #DigitalTransformation and #CryptoCurrencies.

28th IEOM Global Engineering Education

DISTINGUISHED SPEAKERS

Tuesday (March 8, 2022)

Session I: Global Engineering Education

Session Chair: Kandis Boyd Wyatt, American Public University, United States
6:00 - 7:40 am - Virtual Meeting Room 1

6:00 - 6:30 am, Tuesday, March 8



Dr. Kazim Sari
Professor of Industrial Engineering
Vice Rector at Beykent University
Istanbul, Turkey

Kazim Sari earned his Ph.D. in Industrial Engineering from Istanbul Technical University, Istanbul, Turkey. He is a Professor of Industrial Engineering and Vice Rector at Beykent University, Istanbul, Turkey. His principle research areas include analysis and design of supply chains and logistics systems through optimization and simulation modeling. He is an active researcher on green supply chain management and multi-criteria decision-making methods. His studies have been published in various prestigious journals including European Journal of Operational Research, International Journal of Production Economics, Computers & Industrial Engineering, and International Journal of Physical Distribution and Logistics Management. He is a member of Production and Operations Management Society (POMS).

6:30 - 7:00 am, Tuesday, March 8



Dr. Sanjeev Ganguly
Programme Chair and Associate Professor (Operations and Business Strategy)
Woxsen University
Hyderabad, Telangana, India

Dr Sanjeev Ganguly is an Associate Professor and Program Chair at the School of Business, Woxsen University, Hyderabad, India. Dr Sanjeev holds a Bachelor of Engineering degree in Mechanical Engineering from National Institute of Technology, Raipur, India and MBA degree in systems and supply chain management from SIMT, Stuttgart. He has earned doctorate degree from Indian Institute of Management, Raipur, India. He is also a visiting professor at XIM, Bhubaneswar, India and IMT, Ghaziabad, India.

He has worked in the industry for around three decades and has experience in Project Management, Plant Maintenance, Procurement, ERP implementation etc.

He has taught courses in Supply chain management, Operations Management, Business Process and Product Reengineering, Service Operations etc. He has also published articles and cases on strategy and Innovation in reputed international journals.

Session II: Global Engineering Education

Session Chair: Kandis Boyd Wyatt, American Public University, United States
2:00 – 4:00 pm (Tuesday, March 8) – Virtual Room 1

2:00 – 2:20 pm (Tuesday, March 8)



Prof. Dr Aries Susanty ST MT.
Head of Optimization and Industrial Planning System Laboratory
Industrial Engineering Department, Diponegoro University, Central Java, Indonesia

Aries Susanty is a Professor and Head of Optimization and Industrial Planning System Laboratory in Industrial Engineering Department, Diponegoro University, Campus Tembalang, Central Java, Indonesia. She earned a bachelor's degree, master's degree, and doctoral degree in Industrial Engineering from Bandung Institute of Technology, Bandung, West Java, Indonesia. Through her 20+ years of experience in teaching and research at Diponegoro University, she has established an overarching research area in supply chain modeling, supply chain governance, halal supply chain and logistics, sustainability supply chain, and customer behavior. Her research track record has been demonstrated by winning several research grants from the Indonesian government and Diponegoro University. She has published more than 60 technical papers in journals and international conferences and owned h-index 6. She has been involved as a reviewer in several journals, such as the International Journal of Productivity and Performance Management, Emerging Markets Finance and Trade, Systems Research and Behavioral Science, Asia Pacific Journal of Tourism Research, Kubernetes, and International Journal of Lean Six Sigma. She also has involved with many international conference committees, such as the 2019 Annual Conference of Industrial and System Engineering (chair), 2020 Annual Conference of Industrial and System Engineering (program committee), 2020 IEEE International Conference on Industrial Engineering and Engineering Management (program committee) and 2021 IEEE International Conference on Industrial Engineering and Engineering Management (program committee). She also has been involved as an invited speaker in several conferences. She coordinated multiple academic and industrial research projects from the Central Bank of Indonesia, Indonesian State-owned Banknote/Security Printers and Mint, Railink, and National Public Procurement Agency. She has completed the supervision of 5 Master Students and over 60 Undergraduate Students.

2:20 – 2:40 pm (Tuesday, March 8)

**Dr. Abdullah YILDIZBASI**

Associate Professor of Green & Sustainable Supply Chain and Blockchain & Big Data Researcher
Ankara Yıldırım Beyazıt Üniversitesi, Ankara, Turkey
Postdoctoral Researcher, Worcester Polytechnic Institute, Worcester, Massachusetts, USA

Abdullah YILDIZBASI is an Associate Professor in the Department of Industrial Engineering at the Ankara Yıldırım Beyazıt University, Ankara, TURKEY and Adjunct Teaching Professor in Operations and Industrial Engineering Department at the Worcester Polytechnic Institute, Worcester, USA. He earned his B.S. degree in Industrial Engineering from Selcuk University, Konya, TURKEY. Master's in Engineering Management from Syracuse University, Syracuse, USA and Ph.D. in Industrial Engineering from Eskisehir Osmangazi University, Eskisehir, TURKEY. Dr. YILDIZBASI is currently works a Visiting Postdoctoral Researcher in Operations and Industrial Engineering Department at the Worcester Polytechnic Institute, Worcester, USA. He has published more than 25 top ranked journal articles and 50 conference papers. Dr YILDIZBASI has operated his own consulting company and he conducted consulting projects for very important public institutions in TURKEY especially on management and system design fields. His research interests include operations research, closed-loop supply chain, blockchain & big data research, green supply chain management, sustainability, circular economy, lean manufacturing, business process improvement, project management, engineering economics, and emotional intelligence management. He has successfully advised more than 10 master students. He is currently advising 4 master and 3 doctoral students. His academic studies have been cited about 350 times in SCI journals.

2:40 – 3:00 pm (Tuesday, March 8)

**Dr. İbrahim Çil**

Professor, Department of Industrial Engineering
Sakarya University, Altındag, Ankara, Turkey

Title: *Applied-Cooperative Engineering Education Model in Turkey*

Ibrahim Cil is a Professor of Department of Industrial Engineering at the Sakarya University. He holds a Ph.D. in Industrial Engineering from Istanbul Technical University. His teaching and research specialties are in the fields of Decision Support Systems, Decision Sciences, Multi Criteria Decision Making, data science and analysis, Machine Learning, Artificial Intelligence, Supply Chain and Logistics, Manufacturing Strategies, Lean Manufacturing, Lean Six Sigma, Facility Planning and Layout at industry and academic levels. Prof. Cil has published numerous papers, which have Decision Support Systems, Artificial Intelligence Review, Expert Systems with Applications, Robotics and Computer-Integrated Manufacturing, International Journal of Computer Integrated Manufacturing, Int J Adv Manuf Technol, International Journal of Industrial Engineering-Theory Applications and Practice, The Engineering Economist. Prof. Cil has attended several international conferences in Turkey, US, Japan, England, Netherland, Germany, France and Greek. Prof. Cil also holds Editorial Membership of several international journals.

3:00 – 3:20 pm (Tuesday, March 8)

**Dr. Joe Coskun Dizmen**

Assistant Professor and Vice Department Head
Department of Industrial Engineering
Toros University, Mersin, İçel, Turkey

Dr. Dizmen is an assistant professor and the vice department head of the Industrial Engineering Department of Toros University. He received his Ph.D. from the Hong Kong University of Science and Technology. His research interest includes human factors, ergonomics, vection, and industrial engineering. Dr. Dizmen is an experienced researcher with a demonstrated history of working in the higher education industry. He has skilled in Design of Experiments, Data Analysis, and Statistics.

3:20 – 3:40 pm (Tuesday, March 8)

**Dr. Abid Ali Khan**

Professor, Department of Mechanical Engineering
Aligarh Muslim University, Aligarh, India

Title of the talk: *'Peer Learning and Innovation in Engineering'*

Dr. Abid Ali Khan is Professor in the department of Mechanical Engineering and also founding member of the Centre for Interdisciplinary Biomedical and Human Factors Engineering in the Faculty of Engineering & Technology, Aligarh Muslim University, India. He has B.Sc. Engineering (Mechanical) and M.Sc. Engineering (Industrial and Production Engineering) from AMU, Aligarh. He got his PhD from University of Limerick, Ireland funded by European Union as Research Assistant. He is teaching Ergonomics, Experimental Methods & Analysis, Design of Experiments, Research Methodology and Industrial Engineering. He has published a significant number of papers in various International journals and conferences. His work has been published in Ergonomics, Applied Ergonomics, IEE Biomedical Reviews, Work: A journal of Prevention, Assessment and Rehabilitation etc. His research interest is Human response to vibration, Work Related Musculoskeletal Disorder (WMSD), EMG based prosthetics etc., working on multidisciplinary biomedical and ergonomics related projects. He has also been involved in accreditation work of NBA, NAAC etc.

3:40 – 4:00 pm (Tuesday, March 8)

**Dr. Kandis Boyd Wyatt**

Faculty Member, Transportation and Logistics Management
Full-Time Professor in the School of Business
American Public University
Charles Town, West Virginia, USA

ID 266 *The Shift from STEM to STEAM*

Kandis Boyd Wyatt is a full-time professor in the School of Business at American Public University (APU). She holds a B.S. in meteorology from Iowa State University, an M.S. in meteorology and water resources from Iowa State University and a D.P.A. in Public Administration from Nova Southeastern University. Her research interests include project management, supply chain management, meteorology, the climate and public administration.

Session III: Global Engineering Education - Keynotes

4:00 – 6:00 pm (Tuesday, March 8) – Room 1

Keynote V: 4:00 – 4:40 pm

Dr. Lewis Ntaimo

Professor and Sugar and Mike Barnes Department Head Chair
 Wm Michael Barnes '64 Department of Industrial and Systems Engineering
 Texas A&M University, College Station, Texas, USA

Keynote VI: 4:40 – 5:20 pm

Paul Perkins

President, Amatrol, Inc.
 Jeffersonville, Indiana, USA

Keynote VII: 5:20 – 6:00 pm

Rosemary R. Seva, PhD

Professor of Industrial Engineering and Assistant Dean for Quality Assurance
 Gokongwei College of Engineering
 De La Salle University
 Manila, Philippines

Session IV: Global Engineering Education**IEOM Presidential Panel on IEOM Vision 2030 Chaired by IEOM President**

6:00 – 7:40 pm (Tuesday, March 8) – Room 1

**Panel Chair****Hamid R. Parsaei, Ph.D., P.E. Fellow, IISE, ASEE, SME, IEOM**

Professor, Department of Industrial and Systems Engineering
 Interim Director, College of Engineering Accreditation and Assessment
 Texas A&M University
 College Station, Texas, USA
 President, IEOM Society International, 2021-2023

Dr. Hamid R. Parsaei is an internationally recognized leader in the field of manufacturing automation, leadership, engineering education, additive manufacturing, economic and financial decision making, and project management with more than three decades of experience in academia. He is awarded as a fellow IISE, ASEE, SME and IEOM.

Dr. Parsaei's leadership experience and accomplishments include serving as Professor and Associate Dean for Academic Affairs at Texas A&M University at Qatar (TAMUQ.) He also served as the Director of Outreach and Accreditation and the Interim Chair of the Mechanical Engineering at TAMUQ while holding the rank of Professor in the Department of Industrial and Systems Engineering at Texas A&M University in College Station, Texas. Prior to joining Texas A&M University, Dr. Parsaei served as Professor and Chair of the Department of Industrial Engineering at University of Houston for 10 years and Director of Graduate Studies and Graduate Advisor for five years. He also served as Director of the Texas Manufacturing Assistance Center's Gulf Coast Region from March 2001 to September 2005.

Dr. Parsaei is highly regarded worldwide for his scholarship. He served as Area Editor, Methodology, and as an editorial board of The Engineering Economist from June 1990 until January 1995, and he was editor in chief of three international refereed archival journals. He currently serves as a member of the editorial boards and associate editor to over fifteen peer-refereed journals. He has been guest editor for several special issues of peer-reviewed archival journals, and has served as series editor to nine book series published by Wiley and Sons, CRC Press, Taylor and Francis, and several other publishing houses. His newest journal, Engineering Education Letters is a clear testament to Dr. Parsaei's dedication to engineering education.

Dr. Parsaei has been principal and co-principal investigator on projects funded by NSF, Qatar Foundation, the US Department of Homeland Security, Texas Department of Transportation, Houston Transtar, the National Institute of Standards and Technology and the National Institute of Safety and Health, among others, with total funding in excess of \$24 million. He has authored or co-authored 26 archival books and over 280 refereed publications that appear in archival journals and conference proceedings.

He has received several prestigious recognitions from IISE including, the Wellington Award (1993) from the Engineering Economy Division of the Institute for his original contributions to the field of engineering economics, Award of Merit in recognition of his service to the Engineering Economy Division during 1991–1992, the 2006 UPS Excellence Award for innovative development of programs directed to the development of women, minorities and people with disabilities within the field of industrial engineering. He garnered the 2016 George L. Smith Award and in 2018, he was honored with the Fred C. Crane Award for meritorious service to the IISE.

Dr. Parsaei received his M.S. and Ph.D. degrees in industrial engineering from Western Michigan University and the University of Texas at Arlington, respectively. He is a registered professional engineer in the State of Texas and an ABET Engineering Accreditation Commissioner and Program Evaluator.

Panel Speaker I



Dr. Adedeji Badiru
 Dean, Graduate School of Engineering and Management
 Air Force Institute of Technology
 Wright-Patterson AFB, Ohio, USA

Deji Badiru is the Dean and senior academic officer for the Graduate School of Engineering and Management at the Air Force Institute of Technology (AFIT). He is responsible for planning, directing, and controlling all operations related to granting doctoral and master's degrees, professional continuing cyber education, and research and development programs. In his post-high-school days, Deji worked as a graphic artist for children television programs, as a writer and columnist for community newspapers, and as an accounts clerk. These are practical skills that he frequently uses, even today, in his administrative and professional duties.

Deji Badiru was previously Professor and Head of Systems Engineering and Management at AFIT, Professor and Department Head of Industrial & Information Engineering at the University of Tennessee in Knoxville, and Professor of Industrial Engineering and Dean of University College at the University of Oklahoma, Norman. He is a registered professional engineer (PE), a certified Project Management Professional (PMP), a Fellow of the Institute of Industrial Engineers, and a Fellow of the Nigerian Academy of Engineering. He holds BS in Industrial Engineering, MS in Mathematics, and MS in Industrial Engineering from Tennessee Technological University, and Ph.D. in Industrial Engineering from the University of Central Florida. His areas of interest include mathematical modeling, systems efficiency analysis, and high-tech product development. He is the author of over 30 books, 35 book chapters, 75 technical journal articles, 115 conference proceedings and presentations. He also has published 30 magazine articles and 20 editorials and periodicals. He is a member of several professional associations and scholastic honor societies.

Deji Badiru has won several awards for his teaching, research, and professional accomplishments. He is the recipient of the 2009 Dayton Affiliate Society Council Award for Outstanding Scientists and Engineers in the Education category with a commendation from the 128th Senate of Ohio. He also won 2010 IIE Joint Publishers Book-of-the-Year Award from the Institute of Industrial Engineers. He also won 2010 ASEE John Imhoff Award for his global contributions to Industrial Engineering Education, the 2011 Federal Employee of the Year Award in the Managerial Category from the International Public Management Association, Wright Patterson Air Force Base, the 2012 Distinguished Engineering Alum Award from the University of Central Florida, and the 2012 Medallion Award from the Institute of Industrial Engineers for his global contributions in the advancement of the profession. In February 2013, he was selected as a finalist for the Jefferson Science Fellows (JSF) program by the US National Academy of Sciences and the US Department of State. Prof. Badiru was the leader of the AFIT team that won the 2013 Air Force Organizational Excellence Award for Air University C3 (Cost Conscious Culture). His most recent award is the 2015 National Public Service Award at the overall US Air Force level.

Deji Badiru has served as a consultant to several organizations around the world including Russia, Mexico, Taiwan, Nigeria, Ghana, and Canada. He has conducted customized training workshops for numerous organizations including Sony, AT&T, Seagate Technology, U.S. Air Force, Oklahoma Gas & Electric, Oklahoma Asphalt Pavement Association, Hitachi, Nigeria National Petroleum Corporation, and ExxonMobil. He holds a leadership certificate from the University Tennessee Leadership Institute. He has served as a Technical Project Reviewer, curriculum reviewer, and proposal reviewer for several organizations including The Third-World Network of Scientific Organizations, Italy, National Science Foundation, National Research Council, and the American Council on Education. He is on the editorial and review boards of several technical journals and book publishers. Deji has also served as an Industrial Development Consultant to the United Nations Development Program. He is also a program evaluator for ABET, the international engineering and technology accreditation body. In 2011, Prof. Badiru led a research team to develop analytical models for Systems Engineering Research Efficiency (SEER) for the Air Force acquisitions integration office at the Pentagon. He has led a multi-year composite manufacturing collaborative research between the Air Force Institute of Technology and Wyle Aerospace Group.

Deji Badiru has diverse areas of avocation. His professional accomplishments are coupled with his passion for writing about everyday events and interpersonal issues, especially those dealing with social responsibility. Outside of the academic realm, he writes motivational poems, editorials, and newspaper commentaries; as well as engaging in paintings and crafts. As a contribution to sparking the interest of kids in science and engineering, Deji runs the Physics of Soccer website (www.physicsofsoccer.com). He is the founder of the Association of Military Industrial Engineers (AMIE). He also runs ABICS Publications, through which he publishes non-technical guide books for home, work, and leisure. A prolific researcher and author, Deji espouses the spirit of sharing knowledge freely and widely, which is the reason he offers self-published guide books to make his publications affordable and accessible to the general public.

Education

PhD, Industrial Engineering, University of Central Florida
 MS, Mathematics, Tennessee Technological University
 BS, MS, Industrial Engineering, Tennessee Tech University

Panel Speaker II



Dr. Waldemar Karwowski
 Pegasus Professor and Chairman
 Department of Industrial Engineering and Management Systems
 University of Central Florida
 Orlando, Florida, USA

Waldemar Karwowski is Pegasus Professor and Chairman, Department of Industrial Engineering and Management Systems, University of Central Florida, USA. He holds an M.S. in Production Engineering and Management from the University of Technology Wroclaw, Poland, and a Ph.D. in Industrial Engineering from Texas Tech University, USA. He was awarded D.Sc. in management science by the Institute for Organization and Management in Industry, Warsaw, and received the National Professorship title from the President of Poland (2012). Three Central European universities also awarded him Doctor Honoris Causa degrees. Dr. Karwowski served on the Board on Human Systems Integration, National Research Council, USA (2007–2011). He currently is Co-Editor-in-Chief of Theoretical Issues in Ergonomics Science journal, Editor-in-Chief of Human-Intelligent Systems Integration journal, and Field Chief Editor of the Frontiers in Neuroergonomics. Dr. Karwowski has over 550 research publications, including over 200 journal papers. He is Fellow of the Ergonomics Society (U.K.), Human Factors and Ergonomics Society (HFES), Institute of Industrial and Systems Engineers (IISE), and the International Ergonomics Association

(IEA), and served as President of both HFES (2006-2007) and IEA (2000-2003). He received the William Floyd Award from the Chartered Institute of Ergonomics & Human Factors, the United Kingdom in 2017, and the David F. Baker Distinguished Research Award. Institute of Industrial and Systems Engineers, Atlanta, USA, in 2020. He was elected to Academy of Science, Engineering and Medicine of Florida (ASEMFL), Orlando, Florida, USA, November 2020.

Panel Speaker III



Dr. Abu Masud, P.E.
Emeritus Professor
Department of Industrial and Manufacturing Engineering
Wichita State University, Kansas, USA

Dr. Abu Masud is an emeritus professor of industrial and manufacturing engineering at Wichita State University. He was named the Boeing Global Engineering Professor at Wichita State University. Dr. Masud advanced the College of Engineering's strategic alliances for global enrichment and experiential learning of students as well as international research collaborations and partnerships. He received Duane and Velma Wallace Outstanding Educator Award from WSU College of Engineering. Previously he was held various positions at Wichita State including dean and associate dean of graduate school (2008-2013), coordinator, college ABET affairs (2006-2008), associate dean, college of engineering (2004-2005), chair, industrial and manufacturing engineering department (1994-2004) and graduate coordinator of IME (1991-94, 1996-98, 2001-2004). Dr.

Masud has engaged with various companies and governmental research centers including NASA Langley Research Center, VA, NASA/ASEE Summer Faculty Fellow (1991 and 1992), Boeing, Consulting Analyst, and Kuwait Institute for Scientific Research. He is member of Accreditation Review Council (2011-2014). Dr. Masud published book, book chapters, and numerous journal and conference papers. He is registered Professional Engineer at Kansas State. Dr. Masud is an IIE fellow. He received Ph.D. and M.S. in Industrial Engineering from Kansas State University, and B.S. in Mechanical Engineering from Bangladesh University of Engineering & Technology.

Panel Speaker VI



Dr. Gündüz Ulusoy
Professor Emeritus of Industrial Engineering
Sabancı University, Turkey

Gündüz Ulusoy received his BSc in mechanical engineering from Robert College, Istanbul in 1970; an MSc in mechanical engineering from the University of Rochester in 1972 and a Ph.D. in operations research from Virginia Tech in 1975. He served in the Department of Industrial Engineering, Boğaziçi University in Istanbul as a faculty member (1976-1999) and as Head of Department (1985-1993). He also served as Vice President of Boğaziçi University (1992-1994). In 1983, he worked as a postgraduate research fellow in the Operational Research Department in Lancaster University. He spent a year on leave from Boğaziçi University in the industry. He was a member of the Executive Board of the Turkish Scientific and Technical Research Council (1993-1997) and Chairman of the Executive Board of the Marmara Research Center (1995-1997). He served on the

Executive Board of the Turkish Quality Association (1998-2002) and chaired its Quality Award Committee (1998-2002). He also served on the Board of Boğaziçi University Alumni Association (1988-1991) and the Board of Elginkan Foundation (1994-2000). He is a founding member of the Science Foundation and the Turkish Informatics Foundation.

In 1999 he joined the Faculty of Engineering and Natural Sciences at Sabancı University and established the Manufacturing Systems Engineering Program. He founded and became the Co-Coordinator of the Leaders for Industry Program (2001-2004). He founded the TUSIAD-Sabancı University Competitiveness Forum and served as its Director (2003-2008). He was a member of the Standing Committee on Sustainable Competitiveness of the Manufacturing Industry established by the Office of the Prime Minister of Turkey (2007-2010). Since 2015 he has served as an Emeritus Professor at Sabancı University.

He received Teaching Awards at Boğaziçi University and Sabancı University.

In collaboration with TUSIAD and the related Trade Associations, he studied competitive strategies and sectoral benchmarking in the Turkish automotive, cement, electronics, white goods, and machine manufacturing industries. He conducted research on technology and new product development management in the Turkish automotive parts and components industry and on the new product development capability of the Turkish electronics industry. As a UNICE Competitiveness Working Group member in Brussels, he contributed to its competitiveness, entrepreneurship, and innovation research.

His primary research areas are competitiveness, innovation, digitalization and manufacturing strategies, and project management and scheduling. He has published research articles in Interfaces, Operations Research, Journal of the Operational Research Society, European Journal of Operational Research, International Journal of Production Economics, International Journal of Production Research, IIE Transactions, International Journal of Production and Operations Management, Journal of Operations Management, Naval Research Logistics, Computers & OR, and Frontiers of Engineering Management.

He was an Associate Editor of the European Journal of Operational Research (1981-2000), and Contributing Editor to the International Abstracts in Operational Research (1978-1992), Chief Editor of the Turkish Journal of Operational Research (1983-1985), and served as the Guest Editor for several academic journals.

In 2021, the textbook he co-authored with Öncü Hazır and titled An Introduction to Project Modeling and Planning was published by Springer Nature.

27th Industry Solutions - Distinguished Speakers

Wednesday, March 9, 2022

Session I: Industry Solutions

2:00 – 3:40 pm (Wednesday, March 9) – Room 1

Session Chair: Ali Massaeli, National Iranian Gas Company, Tehran, Iran

2:00 – 2:20 pm (Wednesday, March 9)



Ángel D. Delgado García
Global CL Green Project Manager
Ceva Logistics, Madrid, Spain

Propose Title of Talk: **The Green Transition for a Global Logistic Company**

Angel Delgado is an MBA & LSSBB Engineer. With more than 10 years' experience in Lean and Logistics and now leading the Contract Logistics Green project globally in Ceva Logistics, a world reference company in third-party logistics.

2:20 – 2:40 pm (Wednesday, March 9)



Ilkay Boduroglu, Ph.D.
CEO + Director of R&D
Riskoptima
Istanbul, Turkey

Ilkay Boduroglu is the co-founder of Riskoptima, the home of the portfolio managing robot. Boduroglu's applied research interests include finding optimal hedge scenarios for SMEs under severe commodity price oscillations. Boduroglu received his PhD degree from Columbia University's IEOR Dept in 1997. He worked for a successful Silicon Valley startup, Demandtec at the beginning of the millennium and then moved to Bogazici University to become one of the co-founders of B.U. Financial Engineering Executive Program in 2002.

2:40 – 3:00 pm (Wednesday, March 9)



Davoud Navabiasl
Chairman + Director of R&D
Mohitma International Company
Antalya, Turkey

Davoud Navabiasl is Chairman and Researcher in Mohitma International Company with more than 10 years of experience. He earned a Master's in Architectural Engineering from Islamic Azad University, Science and Research Branch, Tehran, Iran. He is an Architect Member of The American Institute of Architects (AIA). Also, he Awarded "E-Learning Professional Real Estate Development" from the Stockholm University Centre for Regional and Educational Development, in 2010, and "Sustainable Development" from International Business Management Institute Berlin, Germany, 2021. He was a Reviewer in "The 3rd International Conference on Industrial Engineering & Operation Management" which was held in Istanbul Technical University, 3-6 July 2012. He has Published 7 Journals and 29 Conference Papers. He also Participated in The World Architecture Festival which was held in Spain in 2009. Until

2021 he was awarded 3 Architecture Awards. He has Carried out Research and Industrial Projects: Industrial Town, Urbanization, Infrastructure Projects, Investment in Industry, Medical and Laboratory Devices, Manufacturing, Mines, Airport, Airline, Oil and Gas Industry Projects, Transportation and Transit, Communication and Information Technology, Water and Wastewater, Shipping, Bunkering Port and Green Energies in Central Asia and The Middle East.

3:00 – 3:20 pm (Wednesday, March 9)



Tan Mei Fang (Ms)
B.Eng (NUS, Singapore), MBB (MA, USA), PMP (USA), PROSCI (USA), Member of ISSSP (USA)
Six Sigma Master Black Belt
Lecturer, Lean Consultant and Coach
Singapore

Lean Applications in Healthcare

Mei Fang is a passionate Master Black Belt with 20 years of experience in the fields of Organizational Development, Management Consultancy and Project Management. As an experienced consultant and trainer, Mei Fang excels at understanding complex operational details, analyzing process efficiencies and driving pragmatic solutions for her clients. She spearheaded multiple Lean healthcare projects and was responsible to provide consultancy, training and facilitation for MOHH and its related clusters and operators to adopt lean design for healthcare facilities ranging from polyclinics, acute hospitals to nursing homes. Her efforts enabled transformative changes resulting in enhanced guidelines for future healthcare facilities. For a Clinical Diagnostics MNC, Mei Fang set up and led the consultancy for a new business area in providing Software-as-a-Service in the digital oncology space for the Asia

Pacific region. Her clients included hospitals and clinical laboratories in the region. She was part of National University Health System overseeing the clinical operations of all public primary care clinics in the western region of Singapore. Mei Fang was invited to speak at various international Conferences, Workshops and Public Agencies to share case studies and applications of Lean and Six Sigma methodologies in Healthcare and Construction sectors.



3:20 – 3:40 pm (Wednesday, March 9)

Ali Massaeli
 Technical Inspection and Control
 National Iranian Gas Company
 Tehran, Iran

Ali Massaeli Ali is a Senior Expert in Industrial Inspection Department of National Iranian Gas Company, Tehran- I.R. of IRAN. He earned B.Sc. in Chemical Engineering from Azad University of South Tehran; M.Sc. in Industrial Engineering – System Management and Productivity from Azad University of Qazvin. He has several research activities such as publishing internal journal of IGU (International Gas Union) and international conference papers. He has several industrial training courses in Chem. and Industrial Engineering and co- authoring and the editor of process engineering in oil and gas industry. He was one of the senior experts in SCOE integrating executive committee of Petroleum Ministry of I.R. of IRAN. In the IEOM 2012(Istanbul-Turkey) he received Outstanding Industry Awards. He is one of the members Industrial Committee of IEOM since 2012 till now. Also he is member of jury team of International Management Conference since 2010 in managerial experience section.

Session II: Industry 4.0

4:00 – 5:40 pm (Wednesday, March 9) – Room 1

Session Chair: Dr. Saurabh Agrawal, Delhi Technological University, Delhi, India

4:00 – 4:20 pm (Wednesday, March 9)



Dr. Cemal Ardil
 Professor, National Aviation Academy
 Baku, Azerbaijan

Cemal Ardil, is a professor of economics, who earned Ph.D. in economics from the IIC University of Technology, Cambodia. Dr. Ardil has published over 100 journal papers, and presented a number of conference communiques at international conferences. Dr. Ardil has conducted research at the National Aviation Academy, Azerbaijan. His research interests include aircraft evaluation, simulation and optimization, information systems, cybersecurity, artificial intelligence, intelligent data engineering and analytics. Dr. Ardil has involved with many international conference committees. He is serving as a founding president of the world academy of science, engineering and technology, and conference chair of the International Research Conference and holds events in Amsterdam, Athens, Auckland, Baku, Bali, Bangkok, Barcelona, Beijing, Berlin, Boston, Budapest, Buenos Aires, Cairo, Cancun, Cape Town, Copenhagen, Dubai, Dubrovnik, Helsinki, Istanbul, Jeddah, Jerusalem, Kuala Lumpur, Lagos, Lisbon, London, Los Angeles, Madrid, Manama, Melbourne, Miami, Montreal, Moscow, New York, Oslo, Ottawa, Paris, Prague, Riga, Rio de Janeiro, Rome, San Francisco, Singapore, Stockholm, Sydney, Tbilisi, Tokyo, Toronto, Vancouver, Venice, Vienna, and Zurich. Dr. Ardil has visited 50 countries for professional events and cooperations.

4:20 – 4:40 pm (Wednesday, March 9)



Mr. Sarthak Sengupta (Ph.D. pursuing)
 Senior Research Scholar and Teaching Assistant
 Indian Institute of Information Technology, Allahabad, Prayagraj, Uttar Pradesh, India

Sarthak Sengupta is a senior research scholar and teaching assistant. He is a computer engineer and MBA graduate as well. He has work experience in the industry and academia. His research and teaching interests include human resource management, higher education development, organizational behaviour, management information systems, conflict management, data mining, machine learning, economics, marketing management, forecasting, social media analytics, digital marketing and business analytics. He has published 26 research papers in leading journals, conferences, book chapters, a book along with 1 patent. He has worked in different parts of the world and this has helped him in becoming a highly adaptable individual. He likes working in challenging environments and this has helped him develop a dynamic personality with cross-cultural sensitivity. He had participated in JENESYS (Economics batch) which is a people to people exchange program promoted and funded by the Japanese Government to foster international cooperation and economic partnership. He is the recipient of the American Finance Association Travel Grant Award, Young Scientist Award, and 4 best paper awards. He has a Diploma in Cyber Law. He is a Certified System Security Analyst and the Chairperson of the IEEE Student Branch, IIIT-A. His international exposure includes Malaysia, Japan, China, Thailand, and the United States of America. He has been an effective guest speaker in numerous sessions.

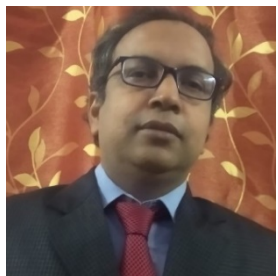
4:40 – 5:00 pm (Wednesday, March 9)



Mamunur Rahman, PhD
 Post Doctoral Fellow, Idaho National Laboratory
 Idaho Falls, Idaho, USA

Proposed Title of Talk: *A Self-Configuring Digital Twin for E-Waste Recycling Process Optimization*

Md Mamunur Rahman works as a postdoctoral research fellow at Idaho National Laboratory, Idaho, USA. He received his Ph.D. in Industrial Engineering from the University of Texas at Arlington, USA in 2020. His research interests include agent-based modeling, discrete event simulation, big data analytics, artificial intelligence, and machine learning with applications in transportation, supply chain resilience, green logistics, healthcare, and process improvement. To date, Dr. Rahman has authored 15 scientific articles in leading journals, and conferences with 2 book chapters. One of his articles received the best paper award in the Institute of Industrial and Systems Engineers annual conference 2019, and another one received the best paper finalist award in the Computation Social Science Society of the Americas 2018 annual conference. Dr. Rahman is the author of "PyEmission", a Python library for vehicular emission estimation, and the lead developer of the software "Recycle Planner", an optimization tool for electronic waste recycling processes. Besides academic work experiences as a full-time faculty, Dr. Rahman worked for several fortune 500 companies in various supply chain and manufacturing roles.



5:00 – 5:20 pm (Wednesday, March 9)

Dr. Saurabh Agrawal
 BE(IIT,Roorkee), MTech(IIT, Delhi), MBA(OSU, USA), PhD(DTU, Delhi)
 Associate Professor
 Delhi School of Management
 Delhi Technological University
 Delhi, India

Title of his talk: *"Role of Industry 4.0 in the area of Legal Informatics"*

Saurabh Agrawal works as Associate Professor in Delhi School of Management, Delhi Technological University (DTU), Delhi, India. He has vast experience of academics, research and the industry both in India and USA. He has completed his PhD in reverse supply chain from DTU. His research interests include supply chain management, Industry 4.0, and Circular economy. He has completed his undergraduate degree from Indian Institute of Technology, Roorkee, India. He has received his MBA from Oregon State University, USA, and Master's Degree in Industrial Engineering from Indian Institute of Technology, Delhi, India. He has published more than 30 research papers in international journals of repute including Resources, Conservation and Recycling, Journal of Cleaner Production, Sustainable Computing: Informatics and Systems, Journal of Enterprise Information Management, and Journal of Industrial Engineering: International.

5:20 – 5:40 pm (Wednesday, March 9)



Noman Hussain
Founder, TRANSFORMability
Detroit, Michigan, USA

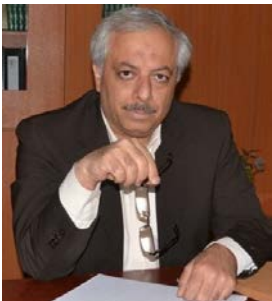
Noman Hussain is the founder of TRANSFORMability, a business excellence, digital transformation and human capital development consulting company with a primary focus on operations turnaround. He is an experienced business leader, entrepreneur and change agent who galvanizes companies, communities and individuals to thrive upon disruption and achieve excellence. He believes, practices and teaches effectiveness and efficiency through his work to deliver end-to-end transformation. Mr. Hussain has over twenty years of industry and consulting experience in analyzing value chain, crafting business strategy, leveraging organizational resources and leading change for sustainable profits & growth in production & project organizations. His experience include strategy, product development, operations, quality and business transformation. Among his experience in industrial automation, Mr. Hussain worked as Head of Comau Academy and championed the development and growth of an innovative business unit, specializing in STEM and industry 4.0 based education programs including executive Masters, short courses and hands on workshops for companies, professionals and students. Before that he worked at Chrysler for 12 years with various positions including Process Improvement Manager. Mr. Hussain received MSIE – Industrial Engineering and MSME – Mechanical Engineering from Wayne State University and Bachelor of Science in Mechanical Engineering from NED University of Engineering and Technology, Pakistan.

Session III: Industry Solutions and Industry 4.0

6:00 am – 7:45 pm (Wednesday, March 9) - Room 1

Session Chair: Dr. Christopher Cox, Western Carolina University, Cullowhee, North Carolina USA

6:00 – 6:20 pm (Wednesday, March 9)



Hossein Ali – Taghi Tehrani, Ph.D.

Planning and Development Director Deputy, DAY Tejarat Electronic Co. Affiliated to DAY Bank, Iran.
Managing Director and Member of the Board, Iranian Tourism, Cultural Heritage and Hand crafts Cooperation
Managing Director of Tamin Ejtemaie International Trading Co.
Managing Director of KISH Science and Technology Institute,
Managing Director of Delta Noavaran Investment and civil Construction Co.

Operation Management Development in the Third Millennium

Hossein Ali Taghi Tehrani is a future studies researcher and project developer. He has translated and published several books on management, economy, social economy, and political sciences. Mr. Tehrani has been working as a manager of different giant companies and local banks in Iran. Mr. Tehrani holds a Bachelor of Art degree in English Translation from Islamic AZAD University and a Bachelor of Art in French Translation from Allameh Tabatabaie University and he has a Master of Art degree in Political Sciences from AZAD university/Tehran. Mr. Tehrani has a Ph.D. in Management and a Ph.D. in Political Sciences. He is a Certified Management Consultant with over 20 years of experience in working with top business and investment companies. He has operated his own investment consulting company for 5 years. He published numerous articles on small business, entrepreneurship and strategic thinking, problem solving issues. He has received several awards and recognition by local, and state for his work in entrepreneurship and CRM.

6:20 – 6:40 pm (Wednesday, March 9)



Emad Zarghami
Maintenance Superintendent
National Iranian Gas Company, Tehran, Iran

The integrity approach of physical asset management systems in ISO 55000 standard

Emad Zarghami is a Superintendent in Physical Asset Management Department of National Iranian Gas Company, Tehran- I.R. of IRAN. He earned B.Sc. in Mechanical; M.A. in Management Business Administration (MBA) -Strategic Planning. He has several research activities such as publishing technical papers in the field of Physical Asset Management and holding seminars in this filed. He has several industrial training courses. He has a good background as Maintenance Manager in South Pars Gas Company. He is the head of research project for developing a conceptual model for Physical Asset Management for Iranian Gas Industry recently. He is the head of research project for developing a proper structure in governmental companies and Balanced Scorecard (BSC) of

Physical Asset Management recently.

6:40 – 7:00 pm (Wednesday, March 9)



Dr. Ahmed J. Obaid
Assistant Professor
Department of Computer Science
Faculty of Computer Science and Mathematics
University of Kufa
Iraq

Ahmed J. Obaid, is a full assistant professor at the Department of Computer Science, Faculty of Computer Science and Mathematics, University of Kufa, Iraq. He received his BSC in Information Systems (IS) in 2005, from faculty of computer science, University of Anbar in 2005. M.Tech in Computer Science and Engineering from SIT, JNTUH, India in 2012, and PhD in Web Mining and Data Mining from University of Babylon in 2017. His main line of research is Web mining Techniques and Application, Image processing in the Web Platforms, Image processing, Genetic Algorithm and information theory. Ahmed J. Obaid, is an Associated Editor in Brazilian Journal of Operations & Production Management (ESCI), Guest Editor in KEM (Key Engineering Material, Scopus) Journal, Guest Editor in American Journal of Business and Operations Research (AJBOR), USA. Associate Editor in IJAST Scopus Journal. Ahmed J. Obaid also Reviewer in many Scopus Journals (Scientific publication, Taylor and Francis, ESTA, and many others). He is leader of ICPAS, MAICT-19, MAICT-20, IHICPS, IICPS Conferences. Ahmed J. Obaid has supervised several final projects of Bachelor and Master in His main line of work. He has edited Some books, such as Advance Material Science and Engineering (ISBN: 9783035736779, Scientific.net publisher), Computational Intelligence Techniques for Combating COVID-19 (ISBN: 978-3-030-68936-0 EAI/Springer), A Fusion of Artificial Intelligence and Internet of Things for Emerging Cyber Systems (ISBN: 978-3-030-76653-5 Springer). He has authored and co-authored several scientific publications in journals and conferences and is a frequent reviewer of international journals and international conferences.

7:00 – 7:20 pm (Wednesday, March 9)



Dr. Daw Alwerfalli
 Professor and Director of Master of Engineering Management Program
 A. Leon Linton Department of Mechanical Engineering
 College of Engineering
 Lawrence Technological University
 Southfield, Michigan, USA

Prominent professor, senior technical industry consultant and manufacturing engineering educator with a tremendous expertise in program and curriculum development in higher technical education. Highly experienced and dedicated community leader with great ability to work with an array of constituencies and coalitions in developing shared organizational vision to create and implement strategies aimed at advancing common causes to accomplish goals in fulfillment of the organization's mission. Highly perceived expert and industrial advisor. He is the founder of Manufacturing Engineering Solutions (MES) a consulting firm founded in 2000. He is senior technical consultant and strategist to the US manufacturing industry. MES developed executive training programs to numerous organizations such as Chrysler, Ford, GM, Exxon Mobil, Conco Philips, Marathon and Tier I and II suppliers to the US auto industry and other international companies. Published numerous research papers in many national and international conferences. Dr. Alwerfalli is a recipient of many prestigious awards including, the 2009 Arab American of the year in education, 1997 Lawrence Tech. Excellence in Teaching Award, 2004 Outstanding Engineering Faculty. He serves on many boards of directors, he also served on the Advisor Council of the Governor of Michigan for the Arab American and Chaldean Affairs Committee. He is currently serving on the steering committee of MAT 2 for dual education where he is a lead assessor to evaluate colleges for readiness in joining MAT 2 coalition of several German US based companies. Dr. Alwerfalli is also serving on the steering committee of "LIFT" Lightweight Innovation for Tomorrow, The committee is to develop innovative educational curriculum and skills for the next generation workforce for the Michigan, Ohio, Indiana and Tennessee under \$148 Million, a federal grant for the year 2015-2016. For several years, Dr. Alwerfalli served as the academic advisor of many doctoral students who obtained their doctorate degrees and are currently leaders in the US auto industry.



Ms. Iman Youssef, MA. ILC. CA
 Ph.D., Candidate, California Intercontinental University, California, USA
 CEO, Amour Fragrances
 CEO, Best Canadian Liquidation (BCL)
 LaSalle, Ontario, Canada

Ms. Youssef, is an Arab-Canadian woman-entrepreneur, community activist, CEO of two companies Amour Fragrances and Best Canadian Liquidation (BCL) located in Canada. Ms. Youssef is a humanitarian activist, national and international volunteer who regularly manages sponsorships and raises funds to support international causes. She participates in humanitarian and voluntary community work and fully engaged in supporting many charity organizations.

Ms. Youssef is currently pursuing her Doctorate of Business Administration at William Howard Taft University with a research focused on Entrepreneurship among female immigrants; in collaboration with Windsor Women working with immigrant women WWWIW. Iman is fluent in Arabic, English and Sign language, she has applied these skills to pursue other opportunities in business. In 2007, Iman participated in hosting a health and beauty segment on My Second Home, a weekly television program through Rogers T.V. The purpose of this show was to help new immigrants to Canada by providing them with information to assist in the transition from the Middle East to Canada.

Ms. Youssef is a member of board of directors of Daughters for Life Foundation; a non-profit organization, providing quality education for young women of the Middle East to achieve lasting peace. Ms. Youssef has more than two decades of experience in entrepreneurship, and a member of the Canada Arab Chamber of Commerce who awarded her the Business Excellence Award in 2013. Ms. Youssef was cited in the book titled SHEROES NEXT DOOR, When Ordinary women make extraordinary resolve by Subarna Gupta which was published by Next Century Publishing, Las Vegas Nevada, 2016. The book has helped thousands of people to think big. Iman has an interesting Entrepreneurship journey was one of ten inspiring stories published by the author.



Dr. Karen Sturtevant
 CEO of Sturtevant & Associates, LLC
 Professor and Dean of Doctorate Studies
 California Intercontinental University
 California, USA

ID 854 Development of Quality Management Systems (QMS) for a Small Manufacturing Company

7:20 – 7:40 pm (Wednesday, March 9)



Dr. Christopher Cox
 Assistant Professor
 Kimmel School of Construction Management
 Faculty of College of Engineering and Technology
 Western Carolina University
 Cullowhee, North Carolina USA

Christopher Cox, Ph.D., P.E. is currently an Assistant Professor of Construction Management in the College of Engineering and Technology at Western Carolina University in Cullowhee North Carolina, USA. Prior to joining the faculty of the Kimmel School Dr. Cox spent 38 years in the energy industry. During his career he held a variety of roles in engineering, corporate planning and strategy, mergers and acquisitions, production operations, and project management. He has lived in the Middle East (United Arab Emirates, Qatar and Kuwait), North Africa (Egypt and Tunisia), Australia, and several US locations (Alaska, Illinois, and Texas). In addition to these residential locations, he worked in many other countries. Dr. Cox has a B.S. in Chemical Engineering from Tulane University, M.S. in Petroleum Engineering from the University of Houston, an MBA from Alaska Pacific University, and Ph.D. in Civil Engineering from Texas A&M University. He is a licensed Professional Engineer.



Shelia Harden
CEO / Principal Consultant
GSHA Quality Services
Ann Arbor, Michigan, USA

For over 25+ years, Shelia Harden is an accomplished quality leader in the manufacturing industry. She is known for training and mentoring others to revitalize and launch new processes and products using quality improvement tools and processes across 5 continents. With the majority of her career at Ford Motor Company and General Motors, she has worked to support 100's of automotive tier suppliers, aerospace OEMs, medical device, locomotive, and power energy manufacturers. In her portfolio, she is credited for the quality launch of the 2002 Mazda 6 which was recognized by JD Powers IQS as the Best New Vehicle launch, increasing dealer satisfaction, and implementing e-learning technology for automotive mechanics in Southern Africa to name a few. She holds a BSEE from Purdue University and MBA from Indiana Wesleyan University, as well as certifications in lean, six sigma black belt, Six Sigma facilitator, and several ISO lead auditor certifications. In 2009, Ms. Harden established GSHA Quality Services LLC to provide quality control training and staffing solutions to reduce waste and to maximize performance in the manufacturing

industry. Today, GSHA has expanded into an Employer Led Collaborative (ELC) by partnering with community agencies, training providers and employers to recruit, train, mentor and connect the skilled quality talent with jobs in the manufacturing industry.

Session IV: Industry Solutions

6:00 – 7:40 am (Wednesday, March 9) – Room 1

Session Chair: Mehran Daulat, Xiamen University Malaysia



Ts. Dr. Mehran Daulat
Associate Researcher & Professor
MBA Centre
Xiamen University, Malaysia Campus
Centre for Organisational Excellence Research (COER), Massey University, New Zealand
Editorial Board for the International Journal of Industrial Engineering and Operations Management (IJIEOM)

Dr. Mehran is a full-time Professor of Operations Management and Quality, also an Associate Researcher at COER, New Zealand. He holds a Bachelor of Science in Engineering; double Master's Degrees in Engineering Management (MEM) and Quality Management (MQM) and a PhD from University of Wollongong, Australia. Mehran has completed a 2 years Post-Doctoral Fellowship in the area of Innovation and Performance Excellence. He spent more than 15 years in industries, holding various executive and managerial roles in QA/QC, performance measurement, business excellence and benchmarking. He is a certified EFQM Excellence Assessor and a 'TRADE' Certification Best Practice Benchmarking from Belgium and New Zealand. He has served as a Senior Assessor for the Dubai Quality Award (DQA) program since 2007. Mehran has also been actively involved in a number of academic-industrial projects and

research in the United States, Canada, Australia, New Zealand, United Kingdom, Japan, Singapore, Malaysia, India, China and UAE. Mehran is also serving as the Editorial Board, Advisory Review Board and Guest Editor of special issue for International Journal of Quality & Reliability Management (IJQRM); International Journal of Lean Six Sigma (IJLSS); International Journal of Industrial Engineering and Operations Management (IJIEOM), Journal of Industrial Engineering & Management Systems (JIEMS), International Journal of Organizational Business Excellence (JOBEX), Middle East Journal of Operations Management (MEJOM) and the Best Practice Improvement Resource. Mehran has been working as a visiting professor and senior research fellow at University of Wollongong, Australia; National University of Singapore; Meiji University, Japan; Massey University, New Zealand; University of Pune, India; Universiti Teknologi Malaysia; and Xiamen University, China, University of Derby (UK) and Simon Fraser University (SFU), British Columbia, Canada.



Dr. Bill Bellows, Ph.D.
President, InThinking Services, Inc.
Deputy Director & Member of Advisory Council
The W. Edwards Deming Institute
Los Angeles County, California, United States
Adjunct Professor, California State University, Northridge, California, United States

Dr. Bill previously served as an Associate Trustee on the Board of The Deming Institute and as a staff team member, in the role of Deputy Director. Prior to joining The Deming Institute, Bill was employed by Aerojet Rocketdyne as an Associate (Technical) Fellow, focusing on "thinking about thinking" with applicability to the design, development, and production of liquid rocket engines. In a 26-year career that spanned ownership of Rocketdyne by Rockwell International, Boeing, United Technologies, and Aerojet, Bill Provided

insights to the advantages of thinking, learning, and working together. While integrating the management methods of Dr. Deming with Genichi Taguchi's "Quality by Design" system and Russ Ackoff's systems thinking, coupled with Edward de Bono's thinking tools, he pioneered the development and application of ideas that include Mixed Model Management, Macro System Models, Micro System Models, Purposeful Resource Leadership, Category & Continuum Thinking, and Investment Thinking. Bill's teaching has included time at Northwestern University, as well as corporate, university, and public classes across the United Kingdom. Bill earned his BS, MS, and Ph.D. in Mechanical Engineering from Rensselaer Polytechnic Institute in Troy, New York. In addition to his employment by Rocketdyne, Bill worked as a heat transfer engineer in the gas turbine industry for Textron Lycoming in Stratford, Connecticut. Bill serves as chairman of the Deming Medal Committee for the American Society of Quality and is a columnist for the UK's Lean Management Journal. He lives in Santa Clarita, California with his wife, Monica.



Dr. Payman Jula
Professor of Technology and Operations Management
Simon Fraser University (SFU)
Vancouver, British Columbia
Canada

Dr. Payman Jula is a Professor at Beedie School of Business, Simon Fraser University (SFU), Vancouver, Canada, where he teaches courses related to operations management, and decision making under uncertainty. Payman has a PhD in Industrial Engineering and Operations Research, and an MSc in Electrical Engineering and Computer Sciences, both from the University of California at Berkeley. His research interests are in transportation and logistics, and applications of operations management in the manufacturing and service (particularly healthcare delivery) industries. Payman has studied the economics of Asia - North America supply chains. He has worked with many international high tech companies, including Samsung Semiconductor, Cypress Semiconductor, Micron Technology, and IMFlash Technologies on issues related to cycle time reduction, production planning, scheduling, and supply chain management. Payman has studied the economics of Asia - North America supply chains. His team has assisted several healthcare delivery institutes on their operations improvement.



Dr. Khurram Nawaz
 Senior Advisor, Management Systems
 Emirates Nuclear Energy Corporation
 Abu Dhabi, United Arab Emirates
 Director for Canadian Institute of Organizational Excellence (CIOE) Inc.
 Calgary, Canada

Dr. Khurram is a Director for CIOE Inc., Canada, Ex-Managing Partner for ACTS, Dubai, and Advisor to many organizations with current at Emirates Nuclear Energy Corporation. He possesses over 30 years of experience as an advisor, lead consultant and trainer, lead auditor and lead assessor from diversified industrial sectors such as Service, Manufacturing, Aviation / Airport Services, Banking / Financial, Nuclear, Construction / Contracting / Fabrication, Education and Oil & Gas. His expertise includes Leadership, Corporate Governance, Management Systems including ISOs, TQM, Excellence Models, Strategic Mgmt, Risk Mgmt, Knowledge Mgmt, BCMS, BSC, Benchmarking, Project Mgmt, BPM & BPR, Perception surveys, Service Excellence, Six Sigma & Lean, Performance Improvement teams, Suggestion schemes and various related subjects. Khurram holds PhD from UK, Master of Quality Management, Master's in applied Geology, 6 Sigma BB and trained in Japan for TQM. He has been adjunct faculty for many universities and trainers for chambers of commerce. Khurram is a recipient of INAX Award for Out-standing Performance (Japan), Best Paper Award (UAE), Out-Standing Quality Manager Award (Pakistan), Fellowship-TQM College (UK), appreciation certificate by the MIAA, Government of Philippines and served as member for board of directors of Middle East Quality Association (MEQA).



Ali Amjadi
 Safety Manager at Arya Sasol Polymer Company
 Port City of Assaluyeh
 Southwestern Bushehr Province
 Iran

Ali Amjadi is a Safety Manager with approximately 17 years of experience working alongside the executive team of Oil, Gas and Petrochemical based companies. He is responsible to oversee Process /Personal and Behavioral Safety of the entire company by planning and implementing an international safety management system to ensure that the company is complying and adheres to excellent safety performance.

Ali is a powerful force in the workplace and uses his positive attitude and tireless energy to encourage others to work in a safe manner to guarantee the Sustainable Safe Production. He graduated from the Sharif University of Technology-Iran in 2015 with a Master Degree in Industrial Engineering-System Management & Productivity. His professional interest focuses on safety improvement plan designing and implementation in Oil & Gas based companies. Currently he is working as a Safety Manager for one of the biggest ethylene and polyethylene producers in the middle east "Arya Sasol Polymer Company" (ASPC). It should be mentioned that ASPC was awarded in various national and international audits, competitions, assessments and congresses regarding the level of safety maturity, so the ASPC is a world- class benchmark of the domain of Oil & Gas section in Iran.

7th IEOM Global Supply Chain and Logistics

DISTINGUISHED SPEAKERS

Thursday (March 10, 2022)

Session I: Global Supply Chain and Logistics

Session Chair: Dr. Aldy Gunawan
8:00 – 9:20 am (Thursday, March 10) – Room 1

8:00 – 8:20 am (Thursday, March 10)



Dr. Aldy Gunawan
Assistant Professor of Computer Science (Practice)
School of Computing and Information Systems
Singapore Management University
Singapore

Aldy Gunawan is an Assistant Professor of Computer Science (Practice) at the Singapore Management University. He received his Ph.D degree in Industrial and Systems Engineering. His main research interests include operations research, algorithm design, and data analytics that relate to metaheuristics, algorithm configuration, design of experiments, combinatorial optimization, and automated planning/scheduling.

His research outputs have been published at top Operations Research conferences and journals in Operations Research such as European Journal of Operational Research, Computers and Operations Research, Computers and Industrial Engineering, and Applied Soft Computing. He has been serving as a committee member of the Operational Research Society of Singapore.

8:20 – 8:40 am (Thursday, March 10)



Dr. Stefanus Soegiharto
Head of System Engineering Laboratory
Department of Industrial Engineering
Universitas Surabaya, Indonesia

Stefanus Soegiharto is an Assistant Professor in Industrial Engineering and Head of System Engineering Laboratory at the University of Surabaya. He obtained his PhD in Industrial Engineering from the University of Indonesia, MSc in Industrial and System Engineering from the National University of Singapore, and BSc in Industrial Engineering and Management from the University of Surabaya. His primary research interests lie in maritime logistics, operations research application in production and logistics systems, and supply chain engineering.

8:40 am, Thursday, March 10



Dr. Mustafa MISIR
Assoc. Prof. of Data and Computational Science
Lead, Machine Learning and Operations Research (MEMORY) Lab
Division of Natural and Applied Sciences
Duke Kunshan University
Kunshan, Jiangsu, China

Mustafa Misir is an Associate Professor of Data and Computational Science at Duke Kunshan University, China. He completed his Ph.D. in Computer Science at KU Leuven (Belgium) in 2012. After graduation, he worked as a postdoctoral researcher at INRIA Saclay – Université Paris Sud XI (France), Singapore Management University (Singapore) and University of Freiburg (Germany) respectively. Next, he moved to Nanjing University of Aeronautics and Astronautics (China) as a faculty member in the College of Computer Science and Technology. Prior to joining Duke Kunshan University, he was a faculty member in Computer Engineering at Istinye University (Turkey). His main research interests include Automated Algorithm Design (Machine Learning + Algorithm Design), Data Science and Operations Research. He is the recipient of several prestigious academic awards and published over 50 papers in various international conferences/journals.

9:00 am, Thursday, March 10



Dr. A.H.L. Chen
Associate Professor of Operations and Logistics Management
Department of Industrial and Systems Engineering
Chuang Yuan Christian University, Taiwan

A.H.L. Chen is an Associate Professor of operations and logistics management at the Dept of Industrial and Systems Engineering, Chuang Yuan Christian University, Taiwan. She completed her Ph.D. in IE&M from Yuan Ze University in Taiwan, M.B.A. at the University of Houston in the U.S.A, and App. Sc. in Bio-Resource Engineering at the University of British Columbia in Canada. Her research interests are project operations, omnichannel and logistics, and decision-making. Her current research focuses on resource planning in project management, data analytics in public transportation services, and site selection and performance in omnichannelling. She is also a member of the Chinese Institute of Industrial Engineers, the Institute of Industrial Engineers (I.I.E.).

Session II: Global Supply Chain and Logistics

Session Chair: Dr. Ratri Parida, London Metropolitan University, London, UK
2:00 – 3:40 pm (Thursday, March 10) – Room 1

2:00 – 2:20 pm (Thursday, March 10)



Dr. Mostafa Hajiaghahi-Keshteli
Professor of Industrial Engineering
Tecnologico de Monterrey, Puebla, Mexico

Title: **Recent Advances in Designing Agricultural Supply Chain**

Prof. Mostafa Hajiaghahi-Keshteli is a Distinguished Research Professor at the Department of Industrial Engineering, School of Engineering and Science, Tecnológico de Monterrey, Puebla Campus, Mexico. He has got all his bachelor, master, and Ph.D. degrees in Industrial Engineering. He is the founder and head of the research department at the Center of Sustainable and Smart Logistics (CSSL) and also a member of the Optimization and Data Science research center. His main research areas are Sustainable and Smart Logistics, Supply Chain Integration and Optimization, Industry 4.0 and 5.0, and Combinatorial Optimization. In this research area, he has first designed and developed some food and agricultural supply chains such as Citrus, Rice, Sugarcane, Avocado, Walnut, etc.

He is also the inventor of some famous and capable Metaheuristics Algorithms in optimizations such as Keshtel Algorithm (2012), Red Deer Algorithm (2016), Social Engineering Optimizer (2018), and Tree Growth Algorithm (2018). He was ranked as the top 10 scholars in the area of Supply Chain, and also one of the top 2% scientists, according to the SciVal and Scopus reports.

2:00 – 2:40 pm (Thursday, March 10)



Dr. Mohammed Rafik Qureshi, PhD (IIT Roorkee)
College of Engineering
King Khalid University
Abha, Kingdom of Saudi Arabia

Dr. Mohamed Rafik Qureshi earned his Ph. D. from IIT Roorkee, India in 2008. He got the Best Thesis Award at the 3rd PIMG International Conference in 2011. He is a certified National Vocation Qualification (NVQ) Assessor from British Technical Institute, U.K. for D33 & D34 levels. He has been Deputy Director for Technology Transfer Centre run through Confederations of Indian Industries, New Delhi. He has more than 30 years of teaching and industrial experience. He is an Associate Professor at the College of Engineering at King Khalid University.

He is actively involved in research and consulting activities. His professional interest includes Decision Making; Logistics & Supply Chain Management, Production Management, Customer Experience, Quality Management, Manufacturing Excellence, Composite Machining, Solar Energy, Waste Management, etc. He has guided ten Ph.D. theses. He has more than 250 publications in journals/conferences at national and international levels. He is on the editorial board of reputed national & International Journals.

2:40 – 3:00 pm (Thursday, March 10)



Dr. Ratri Parida
Associate Professor
IMT Ghaziabad, India
Visiting Research Fellow
Guildhall School of Business and Law (GSBL)
London Metropolitan University
London, UK

Topic: **Supply Chain Finance: Insights and Research Opportunities**

Dr. Ratri Parida is an Associate Professor in the area of Operations and Supply Chain Management at Institute of Management Technology (IMT) Ghaziabad and also a Visiting Research Fellow at Guildhall School of Business and Law, London Metropolitan University. She was one of the founding faculty members at Indian Institute of Management (IIM) Sambalpur. She was associated with premier institutes like International School of Business and Media (ISBM), Pune, National Institute of Construction Management and Research (NICMAR), Pune and Vellore Institute of Technology (VIT), Vellore. She completed PhD from the Department of Industrial and Systems Engineering, Indian Institute of Technology (IIT) Kharagpur. She has 10 years of experience in research and teaching. She acts as ad-hoc reviewer in many international journals and conferences. Her research interest focuses specifically on Operations Management, Industry 4.0, Sustainability, Lean and Six Sigma, Ergonomics and Healthcare Supply Chain. She has publications in peer reviewed international journals and international conferences in India and abroad.

3:00 – 3:20 pm (Thursday, March 10)



Prof. Dr. Abdul-Rahim Nasir Ahmad
Professor of Supply Chain and Information Strategy
Karachi School of Business & Leadership
Karachi, Pakistan

Prof. Abdul-Rahim Ahmad is an award-winning academician and researcher of global repute working at Karachi School of Business & Leadership (KSBL), where he is involved in leading-edge interdisciplinary teaching, research, curricula development, and academic service. He is also an adjunct professor at the department of Systems Design Engineering, University of Waterloo, Canada, where he is involved in graduate thesis supervision and cutting-edge interdisciplinary research. Dr. Ahmad received his Ph.D. degree in Systems Design Engineering (Expert Systems) and M.S. degree in Management Sciences (Management of Technology) from the University of Waterloo, Canada. He also earned M.S. degree in Industrial Systems Engineering (Supply Chain Management) from King Fahd University of Petroleum & Minerals. He has a B.S. degree in Electrical & Computer Engineering. Prof. Ahmad's research, teaching, and consulting interests span Decision Modeling and Decision Support Systems in Operations & Supply Chain Management. He has decades long experience of teaching at the top universities in Canada (University of Waterloo, Wilfrid Laurier University, Dalhousie University, Thompson Rivers University), Saudi Arabia (KFUPM), and Pakistan (KSBL). Dr. Ahmad has published his research in high-repute and high-impact journals and conference proceedings. He regularly consults with industry and academia.

3:20 – 3:40 pm (Thursday, March 10)



Dr. Hasan Balfaqih
Assistant Professor and Head
Supply Chain Management Department
University of Business and Technology
Jeddah, Saudi Arabia

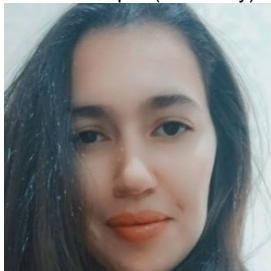
Hasan Balfaqih is an Assistant Professor and the Chair of Supply Chain Management Department at the University of Business and Technology. He is a member of the Industrial Engineering and Operations Management Society [IEOM] and the European Operations Management Association [EUROMA]. He has authored and co-authored many scientific publications in ISI/SCOPUS and other databases including book chapters and peer reviewed articles in conferences proceedings and high impact factor journals from Emerald, Elsevier and Taylor & Francis publishers. His primary research interests focus on supply chain management, water supply management, sustainability, and digitalization areas. Also, he has contributed to review several project-funding proposals and research articles in peer-review journals and conferences.

Session III: Global Supply Chain and Logistics

Session Chair:

4:00 – 5:40 pm (Thursday, March 10) – Room 1

4:00 – 4:20 pm (Thursday)



Nouçaiba Sbai
Industrial Engineer and PhD Candidate
Ecole Mohammadia d'Ingénieurs
Mohammed V University, Rabat, Morocco

MBA and BA Lecturer
SIST British Education, Morocco

Title: Inventory Management in Global Supply chain and Logistics

Sbai Nouçaiba is a fifth-year Ph.D. Candidate in Engineering Sciences and Supply chain management at EMI School of Engineering at Mohamed V University in Rabat. She is a member of the Analyze, Modelling, and Integration of Processes and Systems (AMIPS) research team in EMI. Her doctoral main research investigates multi-echelon inventory management with a special focus on sizing multi-echelon inventories in the pharmaceutical sector. Her research interests are in the areas of supply chain management, simulation in supply chain networks, and multi-criteria decision-making. She published several conference papers and participated in international conferences in Morocco as well as Europe. She holds an engineering degree in Industrial Engineering from the EMI School of Engineering at Mohamed V University in Rabat. She has been an MBA and BA Lecturer At SIST British Education in Morocco since 2018.

4:20 – 4:40 pm (Thursday)



Asher Ramish
MS Production Management (Hamburg-Germany)
Certified Instructor and Researcher, George Mason University, USA
Certified Carbon Literate, Nottingham Trent University, UK
Assistant Professor | Corporate Trainer & Consultant
Dept. of Operations and Supply Chain
University of Management and Technology, Pakistan

With cross cultural experience of more than 18 years in the corporate/private sector from organizations both in Pakistan and Germany, Asher brings with him concepts and knowledge about the revolutionary field of Supply Chain Management from abroad and is now considered amongst the breed of dynamic "Supply Chain Trainers" blending practical concerns effortlessly.

Asher has conducted numerous workshops in several academic and management training sessions in Pakistan in the areas of Supply Chain Management, Logistics Management, Warehousing Management, Inventory Planning and Management, Problem Solving, Decision Making skills, Service Operations Management, Freight Forwarding, Supply Chain Strategies, Vendor Selection and Development, Distribution Networks, RFID, 3PL, BPO, CPFR and Project Management. Employees from PIFFA, Agility Logistics, TAQ Logistics, Raaziq International, PSO, Shell, Total Parco, Cocacola, Pepsi, ICI Chemicals, Kot Addu Power Plant, Bata, Service Industries, Stylo Shoes, CCL Pharma, Wilshire Pharma, Berger Paints, Haleeb Foods, Packages, Borjan, Samin Textiles, Crescent Textile, Style Textile, UVAS, Vandana, Bank of Punjab and AFAQ foundation have attended these trainings on various topics, either open enrollment or customized. He also provides specialized consultancy services in the same areas. He has provided consultancy services to textile sector, footwear sector, packaging sector, cattle feed industry, parts manufacturing industry and education industry in the domains of purchasing, planning, production, distribution, inventory & strategy. He is keen to help organizations develop the performance management and measurement systems through the help of business process re-engineering and process mapping tools. He is adept in developing various types of performance dashboards.

His training interests are also extended towards the fields of Services Supply Chain Management, Supplier Relationship Management, Strategies in Supply Chain Management and Supply Chain performance measurement. He is known to be one of the educationalists in demand due to his versatile and friendly style of interaction. He has got foreign training from world renowned Kepner-Tregoe Strategy Consultants and Roland Berger Strategy Consultants on Problem Solving and Decision Making as well as Strategic Management, Intercultural Management, Product Development and Production Management. Asher has authored number of research papers in his ardent area too. Asher has been an AD-HOC member of reviewer board of 9 ISI impact factor emerald journals. He is also editorial board member of two supply chain journals that are indexed in SCOPUS.

Besides his enrollment in doctorate program in supply chain management, Asher previously, has done his MS in Production Management from Technical University of Hamburg-Harburg, Germany, on full scholarship sponsored by a world renowned German company Koerber AG. He is also a certified instructor from George Mason University, USA. He also holds a Bachelor in Mechanical Engineering from University of Engineering and Technology (UET), Lahore.

4:40 – 5:00 pm (Thursday)

**Dr. Qiannong (Chan) Gu**

Department Chair and Associate Professor of Information Systems and Operations Management
Miller College of Business
Ball State University
Muncie, Indiana, USA

Title: **Can artificial intelligence (AI) predict and/or mitigate supply chain disruptions?**

Dr. Gu is the Chair of ISOM Department and Associate Professor of Logistics and Supply Chain Management in Miller College of Business at Ball State University. Dr. Gu is holding a Ph.D. in Operations Management from The University of Houston and another Ph.D. in Manufacturing Systems from Florida Atlantic University. Dr. Gu's research interests focus on supply chain management, information systems, and business analytics. He has published research articles at journals such as International Journal of Production Economics, International Journal of Production Research, Production and Inventory Management Journal, Decision Sciences Journal of Innovative Education, International Journal of Business Analytics, Journal of Supply Chain and Operations Management, among others.

5:00 – 5:20 pm (Thursday)

**Dr. Guilherme Frederico**

Associate Professor of Operations and Supply Chain Management
School of Management
Federal University of Paraná – UFPR
Curitiba, Paraná, Brazil

Guilherme Frederico is Associate Professor of Operations and Supply Chain Management at Federal University of Paraná – UFPR – School of Management, Brazil. He is also Professor and Researcher at Information Management Department on MSc and PhD programmes. He holds a B.Eng in Civil Engineering (UNESP) - 2003, M.Sc Industrial Engineering (UNESP) - 2008 and Ph.D in Industrial Engineering (UFSCar) - 2012. In 2018 he was a Visiting Research Professor at Centre for Supply Chain Improvement at University of Derby – UK. Currently he is a Research Collaborator Member of this same Research Centre. His research interests and expertise are related to Maturity Management in Supply Chains, Performance Measurement for Supply Chains and Operations Management, Knowledge and Information Management in Supply Chains, Project Management, Procurement and Supply Chain 4.0. He is author of the book "Supply Chain Strategy in the Industry 4.0 Era". Also, he has published his research outcomes in international refereed journals such as Supply Chain Management: An International Journal, International Journal of Logistics Systems and Management and International Journal of Business Excellence. He has a relevant previous industrial experience having worked for more than 10 years in global companies from different segments on strategic positions of Supply Chain and Operations Management.

5:20 – 5:40 pm (Thursday)

**Dr. Sara Saberi**

Assistant Professor
School of Business
Worcester Polytechnic Institute
Worcester, MA, USA

Sara Saberi is an Assistant Professor at the Foisie School of Business at the Worcester Polytechnic Institute in Worcester, MA. She received her PhD in Business Administration with a major in Management Science and a minor in Industrial Engineering at the Isenberg School of Management, University of Massachusetts Amherst in 2016. Previously, she obtained a PhD in Industrial Engineering from University Putra, Malaysia in 2010. She received her Bachelor in Computer Engineering from Shiraz University, Iran in 2004 and her Master of Science in Socio-Economic Systems Engineering from Isfahan University of Technology, Iran in 2006. Her research interests include: Future Internet, Game Theory, Supply Chain Networks, Network Optimization, Multi-criteria Decision- Making, Technology Management, and Multi-agent systems. In 2017, she received a grant from APICS, jointly with Professor Joe Sarkis of WPI. Sara is the recipient of an Isenberg Scholar Award for 2014 and for 2015. Sara received the 2014-2015 Outstanding Doctoral Student Researcher Award from the Isenberg School.

5:40 – 6:00 pm (Thursday)

**Dr. Jabir Arif**

Associate Professor
Sidi Mohamed Ben Abdellah University
Morocco

Jabir Arif received the M.Sc., Engineering, Ph.D., HdR degrees in Industrial Engineering and Logistics from the National School of Applied Sciences Tangier, Faculty of Sciences and Technologies Fez, in 2008, 2010, 2016, and 2020 respectively. He is currently serving as an Associate Professor at Sidi Mohamed Ben Abdellah University, Morocco.

Jabir Arif has a significant industrial and consulting experience in Supply Chain Management & Logistics. He began his career as a Production Planner within a multinational company operating in the automotive wiring harness. Afterward, he was appointed Senior Engineer at the Ministry of Public Services and Modernization of Administration where he was in charge of the national major projects. Therefore, he is familiar with the workplace social, ethical, and organizational issues as well as various market dynamics, which all prove assets in his passionate and interactive teaching through the use of contemporary real-world examples.

Jabir Arif's main research area is Supply Chain Management & Logistics, Outsourcing of Logistic Activities, Risk Assessment, IoT, Artificial Intelligence, and Industrial engineering. He discerns the difference between creativity and productivity and he is cognizant of the value of both in academic settings and scientific inquiries. Jabir Arif's current teaching interests are in the areas of Supply Chain Management, Lean Management, Sourcing, Management Science, etc. at both undergraduate and graduate levels. Apart from teaching and research, he is acting as a reviewer in many ranked journals and conferences. He served as a Technical Committee member of several international conferences, tracks, and workshops.

Parallel Sessions

All Times are in Istanbul Time

Monday, March 7, 2022 (Online)

	Virtual Room 1	Virtual Room 2	Virtual Room 3	Virtual Room 4	Virtual Room 5	Virtual Room 6
6:00 – 7:45 am	Undergraduate Paper Competition	Graduate Paper Competition	MS Thesis Comp	Business Mngt	OR	
8:00 – 9:45 am	Undergraduate Paper Competition	Graduate Paper Competition	Doctoral Diss. Comp	Business Mngt	OM	Tutorials 1. Data to Value 2. Innovation 3. Graph Analytics 4. Blockchain
10:00 – 11:45 am	Undergraduate Paper Competition	Graduate Paper Competition	MS Thesis Comp	Business Mngt	OM	
12:00 – 1:45 pm	Undergraduate Paper Competition	Graduate Paper Competition	HF Competition	Business Mngt	Management Edu	
2:00 – 3:45 pm	Undergraduate Research Competition	SCM Competition	Lean Six Sigma Com	Business Mngt	SCM	
4:00 – 5:45 pm	Undergraduate Research Competition	SCM Competition	Simulation Comp	Business Mngt	SCM	
6:00 – 7:45 pm	Undergraduate Research Competition	High School Competition	Sr Design Compet.	Business Mngt	Energy	Eng. Education

Tuesday, March 8, 2022

	Hilton MR25A	Hilton MR25B	Virtual Room 1	Virtual Room 2	Virtual Room 3	Virtual Room 4	Virtual Room 5	Virtual Room 6
6:00			Project Management	Case Studies	Education	Business Mngt	Sustainability	Occupational Safety
8:00	SCM	OM	Technology Management	SCM	SCM	Business Mngt	Case Studies	GBME
9:30	Morning Networking Coffee Break – Foyer Area of Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B							
10:00	Welcome Address from Host: - Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B							
10:20	Keynote I (Opening Keynote): Prof. Dr. Şener Oktik, Board Member of Şişecam A.Ş., Professor, Kadir Has University, Istanbul, Turkey							
11:00	Keynote II: Cevdet Alemdar, Industry SBU President, Sabanci Holding, Istanbul, Turkey - Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B							
11:40	Keynote III: Prof. Dr. Ilker Birbil, Professor of AI, University of Amsterdam (UvA), The Netherlands							
12:20	Keynote IV: Ahmet Gürsoy, Chief Supply Chain Officer, Modanisa, Istanbul, Turkey							
1:00	Lunch Break – Lunch Provided in Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B							
2:00	Logistics	Case Studies	Global Engineering Education I	Case Studies	Business Management	Business Mngt	Operations Management	Global Engineering Education Panel
3:45	Afternoon Networking Coffee Break – Foyer Area of Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B							
4:00	Keynote V: Dr. Lewis Ntaimo, Professor and Sugar and Mike Barnes Department Head Chair, Wm Michael Barnes '64 Department of Industrial and Systems Engineering, Texas A&M University, College Station, Texas, USA – Virtual Room 1							
4:40	Keynote VI: Paul Perkins, President, Amatrol, Inc., Jeffersonville, Indiana, USA – Virtual Room 1							
5:20	Keynote VII: Dr. Rosemary R. Seva, Professor of Industrial Engineering, Assistant Dean for Quality Assurance, De La Salle University, Manila, Philippines							
4:00	Optimization	Manufacturing	GEE II: Keynotes V, VI & VII	Quality	SCM	Business Mngt	OM	Women in Industry and Academia (WIIA) Panel
6:00			GEE III: IEOM Presidential Panel	SCM	Industry 4.0	Business Mngt	Business Management	Engineering Education

Wednesday, March 9, 2022

	Hilton MR25A	Hilton MR25B	Virtual Room 1	Virtual Room 2	Virtual Room 3	Virtual Room 4	Virtual Room 5	Virtual Room 6
6:00				SCM	IT/IS	Innovation	Manufacturing	OR
8:00	Green and Sustainability	OM	Modeling and Simulation	SCM	Business Analysis	Business Management	Case Studies	OM
9:30	Morning Networking Coffee Break – Foyer Area of Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B							
10:00	Conference Chair Remarks							
10:20	Keynote VIII: Prof. Nesli Alp, Dean and Professor, College of Technology, Indiana State University, Terre Haute, Indiana, USA - Hilton Istanbul MR25A-25B							
11:00	Keynote IX: Dr. Jean-Damien Muller, Advanced Development Technical Leader, Battery Cooling Systems Expert, Valeo Thermal Systems, France - Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B							
11:40	Keynote X: David A. Harry, CEO and Black Belt Trainer, Process Whisperer® Consultants LLC, Greeneville, Tennessee U.S.A. - Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B							
12:20	Keynote XI: Dr. Yılmaz Argüden, Chairman, ARGE Consulting, Istanbul, Turkey - Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B							
1:00	Lunch Break – Lunch Provided in - Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B							
2:00	Energy	Engineering Education	Industry Solutions I	Optimization	Data Analytics	Engineering Management	Global Supply Chain Panel	Industry 4.0 Panel
3:45	Afternoon Networking Coffee Break – Foyer Area of Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B							
4:00	Optimization	Innovation and Sustainability	Industry Solutions II	Entrepreneurship	Decision Sciences	Industrial Management	SCM	Case Studies
6:00			Industry Solutions III	OR	IT	Business Mngt	SCM	Eng. Education
8:00			Industry Solutions IV					

Thursday, March 10, 2022

	Hilton MR25A	Hilton MR25B	Virtual Room 1	Virtual Room 2	Virtual Room 3	Virtual Room 4	Virtual Room 5	Virtual Room 6
6:00				Optimization	Business Mngt	Cont. Improve.	Business	Service Engineering
8:00	Business Management Education	LSS	Global Supply Chain & Logistics I	Business Management	Manufacturing	OM	IT	Case Studies
9:30	Morning Networking Coffee Break – Foyer Area of - Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B							
10:00	Keynote XII: Dr. Linh N K Duong, Sr Lecturer in Operations Management, Bristol Business School, University of the West of England, UK - Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B							
10:40	Keynote XIII: Professor Edward J. Williams, Educator, University of Michigan – Dearborn and Sr. Technical Specialist, PMC, Michigan, USA - Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B							
11:30	Operations Management	STEM	Operations Management	Value Engineering	Engineering Management	Interdisciplinary	Business Operations	EFQM Model: Global and Local Perspectives
1:00	Lunch Break – Lunch Provided in - Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B							
2:00	Lean	SCM	Global Supply Chain & Logistics II	LSS	Product Development	Business Management	Project Management	Industry Solutions Panel
3:45	Afternoon Networking Coffee Break – Foyer Area of - Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B							
4:00	Project Management	AI	Global Supply Chain and Logistics III	Sustainability	Industry Solutions	Business Analytics	SCM	Diversity & Inclusion Panel Sponsored by Ford Motor Company
7:00 – 10:00 pm, Thursday, March 10 - Conference Awards Ceremony - Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B								

March 7, 2022 (Monday) - Session: 6:00 – 7:45 am

6:00 – 7:45 am, MONDAY**Undergraduate Paper Competition****Virtual Room 1**

Judging Committee Chair: Dr. Mizanur Rahman, Universiti Teknologi Malaysia

ID 907 Effectiveness of Implementing E-Government Procurement in Sri Lanka

Gihini Weerasinghe, Banusha KanaheraArachchi, Madushan Jayaweera and Ishini Aryaratne, Udanee Samarasinghe, Navodika Karunaratna, Business School, Institute of Information Technology (SLIIT), Sri Lanka

ID 954 Employee Scheduling Problem for a Retail Store with Multiple Product Categories and Heterogeneous Employees

Kaan Apak, Nazlı Can Daşdemir, Asena Ayşe Gevşek, Deniz Ata Turhan, Yağız Yüksel, Ömer Zorlubilek, Bachelor Student In Industrial Engineering, Faculty Of Engineering, Özyeğin University Istanbul, Turkey

ID 994 Design, Simulation, and Fabrication of Steering Controlled Headlight MechanismAbdulaziz Alshuhaiman, Abdulmajeed Alqahtani, Abdulrahman Alkaboor, Ayidh Alotaibi and Sultan Alshammary, Full time Mechanical Engineering students at Jubail University College Jubail, Saudi Arabia
Mohamed Elshabasy Assistant professor, at Jubail University College Department of Mechanical Engineering. Jubail, Saudi Arabia**ID 995 Design, Fabrication and Analysis of Chassis for Electric Bike**

Fahim Foyzal Arnob, Rabbir Raihan, Md. Nazirul Ahsan Eshad, Md Shahnewaz Khan, Humayun Kabir Bhuiyan Department of Mechanical Engineering Military Institute of Science and Technology Dhaka, Bangladesh

ID 606 Sustainable Value Stream Mapping: A Case Study on Office Furniture Production Line

Villa Vianti Halim, Wilson Kosasih and Lithrone Laricha Salomon, Department of Industrial Engineering, Faculty of Engineering, Universitas Tarumanagara, Jakarta, Indonesia

ID 213 Technological Solutions offered by Industry 4.0 to Improve the Productivity of Apparel Industry during COVID-19 Pandemic: A Dynamic Capabilities View

Piyumi Nisansala and Amila Withanaarachchi, Department of Industrial Management, Faculty of science, University of Kelaniya, Sri Lanka

6:00 – 7:45 am, MONDAY**Graduate Paper Competition****Virtual Room 2**

Judging Committee Chair: Dr. Abdulaziz T. Almaktoom, Associate Professor & Chair of Supply Chain Management, Effat University, Jeddah, Saudi Arabia

ID 933 Analysis on Ecommerce Platforms using Marketing Dashboards and Forecasting TechniquesHannah Grace C. Holgado, Mapua University, Philippines
Ericson D. Dimaunahan, Mapua University, Philippines**ID 935 Impact of K to 12 Program to a University's College Freshman Intake**

Lalaine Rimonte School of Information Technology Mapua University Manila, Philippines

ID 105 Preventive Maintenance of Diesel Power Generators in Indonesia's Manufacturing IndustriesBagas Muhammad Kartiko, Timotius Candra Kusuma, Yosi Carolina Silaen, and Wirawan Pratama Suwardi, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Kampus UI Depok, 16424, Indonesia
Rahmat Nurcahyo, Professor in Industrial Engineering, Department of Industrial Engineering, Universitas Indonesia, Depok 16424, Indonesia**ID 653 FPGA Based Automated Glaucoma Detection from Retinal Fundus Image**

Rezaul Islam, Bangladesh University of Engineering & Technology (BUET), Bangladesh

ID 727 Utilizing a Multicriteria Decision Making (MCDM) Approach to Optimize the Demand Plan for Inventory Raw Materials Consumable in the Food Manufacturing Industry

Azam Ibrahim, Djoko Sihono Gabriel, Industrial Engineering Department1, Universitas Indonesia Depok, Indonesia

6:00 – 7:45 am, MONDAY**Master Thesis Competition****Virtual Room 3**

Judging Committee Chair: Dr. Ali AlArjani, Department of Industrial Engineering, Prince Sattam Bin Abdulaziz University AlKharj 16273, Saudi Arabia

ID 926 Perceived Risk as a Moderator in the Relationship between Perception of Celebrity Endorsement and Purchase Intention Skincare Product in IndonesiaRini Setiowati, Dean of Master Management Program Binus Business School Master Program Bina Nusantara University Jakarta, Indonesia
David Sinaga, Creative Marketing Program, Management Department Binus Business School Master Program Bina Nusantara University Jakarta, Indonesia
Zahra Mustika Utami, Creative Marketing Program, Management Department Binus Business School Master Program Bina Nusantara University Jakarta, Indonesia**ID 938 Analysis of Supply Chain Complexity Drivers in Make-to-Stock and Make-to-Order Supply Chain using AHP-DEMATEL Approach**

Yahya Al Hinai, Sujan Piya, Nasr Al-Hinai, Department of Mechanical and Industrial Engineering, College of Engineering, Sultan Qaboos University Muscat, Oman

ID 943 Analysis of ISO 45001:2018 And Performance Management Implementation Toward Work Accidents and Performance of Companies in Indonesia's Leading Steel IndustryEri Yurizki1, Student of Master Degree Industrial Engineering Faculty of Industrial Engineering Mercubuana University Jakarta, Indonesia
Zulfa Fitri Ikatinasari, Lecturer of Master Degree Industrial Engineering Faculty of Industrial Engineering Mercubuana University Jakarta, Indonesia.**ID 264 Local Buckling of Plate Girder with Longitudinal Web Stiffener**

Solomon Haile Getahun, Afro-tSION Construction plc, Ethiopia

ID 829 Cost Integration Value Stream Approach to Eliminate Waste in Crankcase Production LineImam Rendi Pratama, Program Study Magister Management Technology, School of Interdisciplinary Management and Technology, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia
Moses Laksono Singgih, Professor in Department of Industrial and Systems Engineering, Faculty of Industrial Technology and Systems Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia**ID 875 The Influence Of Talent Acquisition And Talent Pool On The Leadership Readiness Mediated By Perceived Organization Support**

Dian Anggraini Puspita Sari, Firson Arya Iskandar, Hari Kusuma Yuda Perwira, and Nugroho Juli Setiadi, Marketing Management, BINUS Business School Magister Program, Bina Nusantara University, Jakarta, Indonesia

ID 1017 Risk Analysis of Methanol Transfer Process by Hazard and Operability Study (HAZOP) Method in Biodiesel Plant
Rini Kristianti and Indra Setiawan, Master of Industrial Engineering Student, Universitas Mercu Buana, Kembangan, Jakarta 11650, Indonesia
Hernadewita, Master of Industrial Engineering Lecturer, Universitas Mercu Buana, Jl. Meruya Selatan No.1 Kembangan, Jakarta 11650, Indonesia

ID 472 A hybrid BWM-SCOR method for analysis electronic manufacturing supply chain elements that affected with COVID-19 pandemic
Patodi Parjuli Kurniawan¹, Sawarni Hasibuan², ¹Master of Industrial Engineering Student, Universitas Mercu Buana, Jakarta, Indonesia, ²Industrial Engineering Department, Universitas Mercu Buana, Jakarta, Indonesia

ID 256 Analysis of Environmentally Friendly Bus Stop Performance Models in Selected Locations in Surabaya
Ainin Shofiyah and Ivan Fadhil Amrullah, Student of Magister Civil Engineering, Faculty of Civil Engineering, Narotama University, Surabaya, Indonesia
Sri Wiwoho Mudjanarko, Senior Lecturer of Magister Civil Engineering, Faculty of Civil Engineering, Narotama University, Surabaya, Indonesia
Mohd Idrus Bin Mohd Masirin, Professor in Transportation and Highway Engineering, Faculty of Civil Engineering & Built Environment, University Tun Hussein Onn Malaysia

6:00 – 7:45 am, MONDAY**Business Management****Virtual Room 4**

Session Chair: Muhammad Ikhsan Setiawan, Narotama University, Indonesia

ID 886 Indonesian Vaccine Diplomacy In Asean: The Case Study Of Indonesian Support On The Cooperation Between Asean & Russia In Developing Vaccine And Medicine Of Covid-19 In The 2020-2021 Period
Novrel Esa Yubel and Aos Yuli Firdaus, Department of International Relations, Faculty of Social and Political Sciences Universitas Nasional, Jakarta, Indonesia.

ID 887 The Impact of the US-North Korea Arms Race on the International World in 2019
Muhammad Jafar and Aos Yuli Firdaus, Dept. of International Relations, Faculty of Social & Political Science Universitas Nasional, Jakarta, Indonesia

ID 888 Meaning Construction of Dalihan Na Tolu to the Batak Youth
Adinda Arifiah, Universitas Siber Asia. Jalan Harsono R.M. Ragunan Pasar Minggu, South Jakarta, Indonesia
Iskandarsyah Siregar, Center For Nusantara Sociocultural Studies Universitas Nasional, Pejaten, Pasar Minggu, South Jakarta, Indonesia

ID 889 Analysis of the Biggest Obstacles to Inter-Ethnic and Religious Relations on Social Media
Agus Masrukhin and Jamson Siallagan, Character Building Development Center, Informatic Engineering Department, School of Informatic Engineering, Bina Nusantara University, Jakarta, Indonesia

ID 890 Factors That Caused the Obstruction of Oil and Gas Cooperation between Indonesia and Angola Period 2014 - 2018
Nur Muh Sekaring Dirgantoro and Fadra, Faculty of Social and Political Sciences, Dr. Moestopo (Beragama) Jakarta, Indonesia

ID 891 Sustainability in Fashion Industry, Study case Thrifting in North Sumatera and its Challenges
Dewi Vatimatun Noviah and Irma Indrayani Department of International Relations, Universitas Nasional, Jakarta, Indonesia

ID 892 Cambridge Analytica in Donald Trump Victory at the 2016 U.S. Presidential Election, How Cambridge Analytica run the Trump Campaign to win the 2016 Election
Andina Reftiyani Putri Pesat Gatra, International Relations Department, Universitas Prof. Dr. Moestopo (beragama) Jakarta Indonesia

6:00 – 7:45 am, MONDAY**Operations Research****Virtual Room 5**

Session Chair: Dr. Şule Önsel Ekici, İstanbul University-Cerrahpaşa, Turkey

ID 922 Mitigate Corrosion through Effective Cathodic Protection of Steel Structures of Puma Energy in PNG
Mr. Noel Martinm, Department of Civil Engineering, PNG University of Technology, PNG
Sunil Thamida, Department of Chemical Engineering, Indian Institute of Technology Tirupati, Andhra Pradesh, India
Aezeden Mohamed, Department of Mechanical Engineering, PNG University of Technology, Papua New Guinea

ID 953 ERP Software Selection Criteria: A Fuzzy Analytic Hierarchy Process (FAHP) Approach
Masoud Rahiminezhad Galankashi, Imam Khomeini International University-Buin Zahra Higher Education Center of Engineering and Technology, Qazvin, Iran
Aydin Ahmadshoar, Imam Khomeini International University-Buin Zahra Higher Education Center of Engineering and Technology, Qazvin,
Syed Ahmad, Helmi School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, 81310, Johor Bahru, Malaysia Center for Engineering Education, Universiti Teknologi Malaysia, 81310, Johor Bahru, Malaysia
Mahdiyeh Moghadam Arjmand, Imam Khomeini International University-Buin Zahra Higher Education Center of Engineering and Technology, Qazvin, Iran

ID 930 Optimizing of Series systems with identical components and imperfect Repairs
Mohammed A. Hajeeh, Techno-Economics Division Kuwait Institute for Scientific Research P.O. Box 24885; Safat-13109 Kuwait

ID 900 The Selection of Temperature Screening Methods for COVID-19 by Using the Fuzzy TOPSIS Technique Tinnakorn Phongthiya and Chawis Boonmee, Department of Industrial Engineering, Faculty of Engineering, Chiang Mai University Chiang Mai, Thailand
Manuel Woschank, Chair of Industrial Logistics, Montanuniversitaet Leoben Leoben, Austria

ID 999 Optimising and Digitalising the Technology-Based Electronic Justice in the 4.0 Era: A Judicial Reform
Elidar Sari and Arif Rahman Faculty of Law Universitas Malikussaleh Muara Satu, Kota Lhokseumawe, Aceh 24355, Indonesia
Jumadil Saputra, Faculty of Business, Economics and Social Development Universiti Malaysia Terengganu, Kuala Nerus, Terengganu, Malaysia
Abdul Talib Bon, Department of Production and Operations Universiti Tun Hussein Onn Malaysia 86400 Parit Raja, Johor Malaysia

ID 952 Hospital Selection Problem: An Integrated Analytic hierarchy process (AHP) and Fuzzy- TOPSIS Approach
Masoud Rahiminezhad Galankashi, Imam Khomeini International University-Buin Zahra Higher Education Center of Engineering and Technology, Qazvin, Iran
Elaheh Nasri, Imam Khomeini International University-Buin Zahra Higher Education Center of Engineering and Technology, Qazvin.
Syed Ahmad Helmi, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, 81310, Johor Bahru, Malaysia Center for Engineering Education, Universiti Teknologi Malaysia, 81310, Johor Bahru, Malaysia
Mahdiyeh Moghadam Arjmand, Imam Khomeini International University-Buin Zahra Higher Education Center of Engineering and Technology, Qazvin, Iran

ID 949 Sustainability in Municipal Solid Waste Management System using multi-objective optimization model
Smeetasree Pati, Research Scholar Department of Management Studies IIT Roorkee India
Rajat Agrawal, Professor Department of Management Studies IIT Roorkee India

March 7, 2022 (Monday) - Session: 8:00 – 9:45 am

8:00 – 9:45 am, MONDAY**Undergraduate Paper Competition****Virtual Room 1**

Judging Committee Chair: Dr. Mizanur Rahman, Universiti Teknologi Malaysia

ID 441 A Design of Enterprise System View on a Restaurant Waiting Time

Fadi Aljuhani, Hashim AlDabbagh, Jameel Mujlid, Anas Alzahrani, and Sameer Maimani, Industrial Engineering Department, King Abdulaziz University, Jeddah, Makkah, KSA

ID 236 Active Heat Sinks Design and Optimization of RRU 5G Considering Wind Speed ConditionMinh Dinh Bui, Viettel High Technology Industries Corporation, Hanoi, Vietnam.
Duc-Thinh Nguyen, Quoc Hung Nguyen and Van Manh Khong, Department of Mechanical Engineering, Viettel High Technology Industries Corporation, Hanoi, Vietnam**ID 385 An Analysis Efficiency Of Long-Term Scheduling In The Production Process Of Manufacturing Companies: A Systematic Literature Review**

Hugo Gerald Tanara, Lilya Syopiana, Livia Putri, Haryadi Sarjono, BINUS Business School Undergraduate, Bina Nusantara University, Management Department, Jl. KH. Syahdan No. 9, Palmerah, Jakarta Barat, Indonesia

ID 603 Combination House of Risk and Markov Model in Supply Chain Risk Management during the Covid-19 Pandemic for Fast Moving Consumer Good in Bangkalan RegencyIsmail Romadhan Pegan and Oki Anita Candra Dewi, Universitas Internasional Semen Indonesia
Mohamed M. Y. B. Elshabasy, Assistant professor, Jubail University College, Department of Mechanical Engineering, Jubail, Saudi Arabia. (On leave) from Department of Mechanical Engineering, Alexandria University, Egypt**ID 235 Detail Design of Interior Permanent Magnet Motor for Electric Vehicle**Bui Minh Dinh, Hanoi University of Science and Technology, Vietnam
Nguyen Viet Anh, Hanoi University of Industry, Vietnam**ID 717 The Mediating Effect of Financial Management on Financial Attitude and Financial Satisfaction of Indonesian Young Adults**

Farizka Shafa Nabila, Mahendra Fakhri, Mahir Pradana, School of Communication and Business Telkom University, Indonesia

ID 726 A Study on the Assessment of VetConnect using SWOT Analysis and Six Thinking Hats

Daniele De Guzman, Samuel Mirasol, King Perez, Grace Lorraine Intal, School of Information Technology, Mapua University Makati, Philippines

8:00 – 9:45 am, MONDAY**Graduate Student Paper Competition****Virtual Room 2**

Judging Committee Chair: Dr. Abdulaziz T. Almaktoom, Associate Professor & Chair of Supply Chain Management, Effat University, Jeddah, Saudi Arabia

ID 108 Advanced Design Method of 3D-Printed Cutting Guides Development for Orthopedic Surgery

Giulia Alessandri, Gianmaria Santi, Christian Leon-Cardenas and Patrich Ferretti, Giulia Alessandri and Gian Maria Santi, DIN - Department of Industrial Engineering, University of Bologna, Bologna – Italy

ID 134 Analysis of Preventive Maintenance in Small and Medium Enterprises: Case Study of Coffee Shops in Depok City

Ayu Mandasari Nasution, Yafiazmi Dhaniswara and Wildan Firdaus, Industrial Engineering Department, Universitas Indonesia. Depok, Indonesia

ID 466 Character Education in Leadership Training Activities on Himpunan Mahasiswa Islam Gowa RayaMuhammad Yusri, Sekolah Tinggi Agama Islam Darul Dakwah Wal-Irsyad Kota Makassar, Indonesia
Bahaking Rama, UIN Alauddin Makassar, Indonesia
Ismail Suardi Wekke, Postgraduate Program Institut Agama Islam Negeri (IAIN) Sorong, Indonesia, The Jusuf Kalla Research Center for Bugis Makassar Cultural Studies, Universitas Muslim Indonesia
Ibnu Hajar, Sekolah Tinggi Agama Islam Darul Dakwah Wal-Irsyad Kota Makassar, Indonesia**ID 621 Cluster-Based Colormap of Nanoindentation Using Machine Learning**

Sarah Ghaleb Alhamdani, Abdalla Alrashdan and Khalid Ahmed College of Engineering, Alfaisal University, Riyadh, Saudi Arabia

ID 577 Design of Philippine Public Health Services Information System to Improve the Department of Health's COVID-19 InitiativesCheselle Jan Roldan, Victoria Estrella and Jeremy Elias, School of Industrial Engineering and Engineering Management, Mapúa University, Intramuros, Manila, Philippines
Grace Lorraine D. Intal, School of Information Technology, Mapúa University, Intramuros, Manila, Philippines**ID 093 Customized Vacuum Valve Developed by Multi-material 3D-Printed Processes for Carbon Fiber Lamination**

Patrich Ferretti, Gian Maria Santi, Christian Leon-Cardenas, Giulia Alessandri, Merve Sali, and Marco Freddi, Università di Bologna, Italy

8:00 – 9:45 am, MONDAY**Doctoral Dissertation Competition****Virtual Room 3**

Judging Committee Chair: Dr. Ali AlArjani, Department of Industrial Engineering, Prince Sattam Bin Abdulaziz University AlKharj 16273, Saudi Arabia

ID 223 The Influence of Various E-Learning techniques upon Technology Acceptance and student engagement in differing Classroom EnvironmentsTasfia Bari M.S., Doctoral Student, Eastern Michigan University, College of Technology, Ypsilanti, Michigan, USA
Munther Abualkibash, Eastern Michigan University, College of Technology, School of Information Security and Applied Computing, Ypsilanti, MI, USA**ID 661 A Meta-Heuristic Algorithm Based on Modified Global Firefly Optimization: In Supply Chain Networks with Demand Uncertainty**

Abdulhadi Altherwi, Department of Industrial Engineering, Jazan University, Jazan, Saudi Arabia

ID 420 A review of methods for maturity models development: case of performance management in education

Hind Benlhabib, Abdelaziz Berrado, Equipe AMIPS, Ecole Mohammadia d'Ingénieurs, Mohammed V University in Rabat, Morocco

ID 467 Implementation of Social Community Development in Indonesia and Malaysia Borders: Case Study Kecamatan Sajingan Besar Sambas IndonesiaTaufiqurokman Taufiqurokman, Faculty Social Science and Science Politic, Universitas Prof.Dr. Moestopo (Beragama), Jalan Hang Lekir I No 8 Jakarta Pusat 13410, DKI Jakarta, Indonesia
Andriansyah, Universitas Prof. Dr. Moestopo (Beragama) Indonesia
Akram Hureri, Allama Iqbal Open University, Islamabad, Pakistan
Evi Satsipi and Mamun Murod, Universitas Muhammadiyah Jakarta, Indonesia
Ismail Suardi Wekke, Institut Agama Islam Negeri (IAIN) Sorong, 98417, Sorong, Indonesia, The Jusuf Kalla Research Center for Bugis Makassar Cultural Studies, Universitas Muslim Indonesia
Muslim Lobun, Sekolah Tinggi Ilmu Hukum Biak, Papua, Indonesia
Abd Muis, Universitas Indonesia, Indonesia

ID 433 Sustainable bank, firm reputation, and firm performance: A mediation model

Adi Teguh Suprpto, Idris Gautama So, Dezie Leonarda Warganegara and Wibowo Kosasih, Doctor of Research in Management
Binus Graduate Program, Binus University, Jakarta, 11480, Indonesia

ID 646 The Effect of Transformation Leadership on Small and Medium Enterprises Performance: The Mediation Roles of Employee Creativity and Organization Innovation

Duha Hashim Ali Alkhazraji and Prof. Dr. Wan Fauziah bt Wan Yusoff, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia, Johor, Malaysia

ID 647 The Impact of Transformation Leadership on the Performance of Small and Medium Enterprises in United Arab Emirates

Duha Hashim Ali Alkhazraji and Prof. Dr. Wan Fauziah bt Wan Yusoff, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia, Johor, Malaysia

ID 350 Towards Resilient Educational System and Governance: Measuring Effectiveness and Competitiveness of Private HEIs

Jocelyn Delgado-Abad, Student in Ph.D. Business Management major in Strategy Management, Graduate School of Business and Management, Philippine Christian University, Manila, Philippines

ID 846 Robotic Process Automation: A literature review on quantitative benefits

Serap Ulusam Seçkiner, Full Professor of Industrial Engineering, Faculty of Engineering and Natural Sciences, Gaziantep University, Turkey
Mohammed Alfandi, PhD student in Industrial Engineering, Faculty of Engineering and Natural Sciences, Gaziantep University, Gaziantep, Turkey

ID 872 Determining and Weighting the Sustainability Pillars: A Case Study in Petrochemical Industry

Elif Çirkin, Research Assistant of Production Management and Marketing Division, Faculty of Business Administration, Dokuz Eylül University, Muş Alparslan University, Izmir, Turkey

8:00 – 9:45 am, MONDAY**Business Management****Virtual Room 4**

Session Chair: Dr. Öncü Hazır, Rennes Schools of Business, France

ID 419 4.0 IN 40 Series: An Extension Program to Develop Awareness for Insustry 4.0

Vitor Mendes Caldana, Dalton Oswaldo Buccelli and Guilherme Galiazzi Carriel de Lima, Instituto Federal de Educação, Ciência e Tecnologia de São Paulo, Sorocaba, São Paulo, Brasil

ID 416 A Bibliometric of Sentiment Analysis in Tourism Industry during COVID-19 Pandemic

Asra Yaqub and Huda Thalib, Student at the Computer Science Department, College of Engineering, Effat University, Jeddah, Saudi Arabia
Tayeb Brahimi, Associate Professor at the College of Engineering, Energy and Technology Research Centre, Natural Science, Natural Science, Mathematics and Technology Unit, Effat University, Jeddah, Saudi Arabia
Akila Sarirete, Assistant Professor at the Computer Science Department, College of Engineering, Effat University, Jeddah, Saudi Arabia

ID 650 A New Method for Double-Bit Error Correction

Muhammad Sheikh Said, Bangladesh University of Engineering and Technology, Bangladesh

ID 002 A Novel technique for the surface texture inspection of Electrical Discharge Machined surfaces using vision system

M.B. Kiran, Department of Mechanical Engineering, School of Technology, Pandit Deendayal Energy University, Gandhinagar, Gujarat, India

ID 469 A Review of Employees Training and Development in Navigating through Pandemic Covid-19: Malaysian Perspective

Ahmed Saleh Ahmed Saif Al-Shameri, PhD Student and Siti Sarah Binti Omar, Senior Lecturer, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia, Johor, Malaysia

ID 395 A Review of Road Safety Monitoring

Ibtissam El Khalai, Zoubida Chorfi, Abdelaziz Berrado, Equipe de recherche AMIPS, Ecole Mohammadia d'Ingénieurs, Mohammed V University in Rabat, Morocco

ID 834 The Effect of Individual Entrepreneurial Orientation and Self-Efficacy on Students' Entrepreneurial Intention: A Conceptual Framework

Khaled Mohamed Alfzari, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia
Khadijah Md Ariffin2, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia

ID 837 The Effect of Social Support (Emotional Support and Informational Support) On the Need for Relatedness and User's Satisfaction with the Use of Social Media

Ridani Faulika Santalia, Creative Marketing Program, Business Management Department, Binus Business School Master Program, Bina Nusantara University, Jakarta, Indonesia
Willy Gunadi, Binus Management Program, Binus Business School Master Program, Bina Nusantara university, Jakarta, Indonesia
Ario Setiadi, Binus Management Program, Binus Business School Master Program, Bina Nusantara University, Jakarta, Indonesia

8:00 – 9:45 am, MONDAY**Operations Management****Virtual Room 5**

Session Chair: Fatima Zahra Dabaj, ENSAM School, Moulay Ismail University, Al Mansour, Meknes, Morocco

ID 314 A Case Study on The Improvement of Organizational Operational Efficiency Through Quality Management Systems ISO 9001

Sherry Lynn A. Alvarez and Dianne Lee M. Fullante, Industrial Engineering Department, College of Engineering, Adamson University, Manila, Philippines
Noe D. Enriquez and Venusmar C. Quevedo, Professor, Department of Industrial Engineering, Adamson University, Manila, Philippines

ID 055 A Cloud-Based Decision Support System for Optimal Tea Purchasing and Blending

Z. Melis Teksan, Assistant Professor in Industrial Engineering, Faculty of Engineering, Özyeğin University, Istanbul, Turkey
Z. Caner Taşkın, Full Professor of Industrial Engineering, Faculty of Engineering, Boğaziçi University, Istanbul, Turkey
Cavide Tekin, Delivery Manager, ICRON Technologies, Istanbul, Turkey

ID 125 A Devil of a Fellow: Ford Motor towards General Motors

Siti Sayidatul Durrak Khazalle, Habibah@Norehan Haron, Abd Rahman Abdul Rahim, Razak Faculty of Technology and Informatics, Universiti Teknologi Malaysia, Kuala Lumpur, Malaysia

ID 304 Analysis and Preventive Maintenance of Gas Engines in Gas Engine Power Plants

Sambudi Hamali, DanangPrihandoko, Shelyv Kurniawan, Kenny Wijaya, Rohmat Hidayatulloh Hazim Habibi, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jl. K.H. Syahdan No. 9, Palmerah, Jakarta 11480, Indonesia

ID 347 Analysis of Waste Management Practices of Households for Transition Towards Circular Economy in the Philippines

Ma. Vina Trisha DV. Conanan¹, Randell C. Rafanan², Elaine L. Rodriguez³, Venusmar C. Quevedo⁴, Industrial Engineering Department, Adamson University, Manila, Philippines

ID 438 Application of the Fuzzy Analytical Hierarchy Process Method on Soil Drilling Projects

Haryadi Sarjono, Antonius, Hilman Rizky Subhadin and Ridani Faulika Santalia, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

Heppy Yohanes, Sekolah Tinggi Teologi Bethel the Way (STTB The Way), Jakarta, Indonesia

ID 694 Benefits of Implementing Quality Management Systems in Exploration Drilling Operations - Global Perspectives

Sambil Charles Mukwakungu and Refilwe Dipholo, Department of Quality and Operations Management, University of Johannesburg, South Africa

ID 143 Demand and supply planning for Covid-19 vaccine in Turkey with an anti-vaccine survey

İrina Pinar Tuğrul, Graduate Student in Industrial Engineering, Faculty of Engineering, Özyeğin University, Istanbul, Turkey

Zehra Melis Teksan, Assistant Professor in Industrial Engineering, Faculty of Engineering, Özyeğin University, Istanbul, Turkey

8:00 – 9:45 am, MONDAY

Virtual Room 6

Tutorial: Graph Analytics

by Dr. Gürdal Ertek of United Arab Emirates University

March 7, 2022 (Monday) - Session: 10:00 – 11:45 am

10:00 – 11:45 am, MONDAY

Undergraduate Paper Competition

Virtual Room 1

Judging Committee Chair: Dr. Mizanur Rahman, Universiti Teknologi Malaysia

ID 196 Development of an integrated preparation method for the implementation of ISO 9001, ISO 14001 and ISO 45001: A Case Study from Indonesia Automotive Industry

Wirawan Pratama Suwardi, Rahmat Nurcahyo, Dept. of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 208 Factors Influencing Green Purchasing Behaviour of Consumers in Developing Countries with regard to FMCG Products: A Conceptual Framework

Chanika Hansani and Amila Withanaarachchi, Department of Industrial Management, Faculty of Science, University of Kelaniya, Sri Lanka

ID 013 Optimizing the Compliance of Critical COVID-19 Preventive Measures in Airport Facilities Layout: A Hybrid Approach Using VIKOR, SLP, and CRAFT

Anas A. Makki, Associate Professor of Industrial Engineering, Department of Industrial Engineering, Faculty of Engineering — Rabigh Branch, King Abdulaziz University, Jeddah 21589, Saudi Arabia

Khaled A. Alshehri, Ahmed A. Albukhari, Abdulrahman Alatiq and Mazen Aldabahi, Department of Industrial Engineering, Faculty of Engineering — Rabigh Branch, King Abdulaziz University, Jeddah, Saudi Arabia

ID 232 Outer Permanent Magnet Motor for Small EV

1Minh Dinh Bui, 2 Nguyen Viet Anh and 3 Nguyen Quang Dich, 13Hanoi University of Science and Technology, 2Hanoi University of Industry

ID 755 Paper Helicopter Case Study

Francis C. Matheu Vega, Krystal M. Castillo Díaz, Clariane Carrasquillo Delgado and Jannette Pérez-Barbosa, Department of Engineering, Universidad Ana G. Méndez, Gurabo, Puerto Rico 00778, USA

ID 772 Website Design of West Corner Hotel to Improve Service Operations

Milstein Rei Cadorniga, Ashly Mariel Cruz, Coleen Dela Cruz, Grace Lorraine Intal, School of Information Technology, Mapúa University, Makati Philippines

ID 839 Checklist of Ergonomic Risks of Teleworking after COVID -19

Zarail Hernández Sanabria and Jannette Pérez Barbosa, Department of Engineering, Universidad Ana G. Méndez, Gurabo, Puerto Rico, USA

10:00 – 11:45 am, MONDAY

Graduate Student Paper Competition

Virtual Room 2

Judging Committee Chair: Dr. Abdulaziz T. Almaktoom, Associate Professor & Chair of Supply Chain Management, Effat University, Jeddah, Saudi Arabia

ID 377 Production Layout Replanning Using Systematical Layout Planning with Shared Storage Method Analysis and Flexsim Simulation at XYZ Company

James Laurent, Lina Gozali, Ricky Farrel, and Carla O. Doaly, Department of Industrial Engineering, Faculty of Engineering, Universitas Tarumanagara, Jakarta, Indonesia

ID 327 Replicability Assessment of a 3D-Printed Mold with Advanced Polymers and Chemical Smoothing

Christian Leon-Cardenas, Patrich Ferretti, Gian Maria Santi, Leonardo Frizziero and Alfredo Liverani, Department of Industrial Engineering, Alma Mater Studiorum University of Bologna, Viale Risorgimento, 2 – 40136, Bologna, Italy

ID 112 Survey of Maintenance Implementation on Laundry Business in Indonesia, Jakarta Region

Indah Purnamaningtyas, Fery Permadi H, Hana Fajria P., & Sandi Bakti, Department of Industrial Engineering, Universitas Indonesia, Kampus Baru UI Depok, Depok 16424, Indonesia

ID 204 Towards Electric Vehicle Era in A Developing Country: Review of Research on Automotive Component Industry in Indonesia from Industrial Engineering Perspective

Muhammad Habiburrahman and Rahmat Nurcahyo, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 651 Using Microsoft Power BI and Data Visualization Tools to Study How Online Shopping was Affected during COVID19 Period: A Comparison in Three Countries Between 2019 and 2020

Maryam Abdulla, Reem Baraka, Zahra Al-Ansari and Fatma Al-Muslamani, Engineering Management Masters Student, College of Engineering, Qatar University, Doha, Qatar

ID 733 Improving Sustainability of Orange Supply Chain: A System Dynamics Model to Eliminating Pre-Harvesting Loss, Increase Workers, to Improve Farmer's Profit

Emad Alzubi and Bernd Noche, Transportsysteme und -logistik, Fakultätsingenieurwissenschaften, Universität Duisburg – Essen, Keetmanstr, Duisburg, Germany

10:00 – 11:45 am, MONDAY**Master Thesis Competition****Virtual Room 3**

Judging Committee Chair: Dr. Ali AlArjani, Department of Industrial Engineering, Prince Sattam Bin Abdulaziz University AlKharj 16273, Saudi Arabia

ID 632 A Comparative Study between Linear and Non-linear Control Methodologies for Induction Motor Control
Muhammet HAŞİMİ, Onur AKBATI, Department of Electrical and Electronics Engineering, Yıldız Technical University, Istanbul, Turkey

ID 503 A data-driven solution framework for an inventory management problem
Raha Akhavan Tabatabaei, Burak Gokgur and Reza Valimoradi, Sabanci University, Turkey

ID 847 Evaluating Usability of a Learning Management System with a Real Life Case Study at an Academic Department
Adil Baykasoglu, Burcu Felekoglu and Ceylin Unal, Department of Industrial Engineering, Dokuz Eylül University, Izmir, Turkey

ID 982 How do African cities benefit from using smart technologies? Perspectives from Local Government Practitioners
Tlou Phillemon Mathane, Masters Student, University of Johannesburg, South Africa
Trynos Gumbo, Head of Department and Associate Professor University of Johannesburg, Department of Urban and Regional planning

ID 984 Stakeholder involvement and Institutionalisation of smart cities applications: A Case study in the City of Tshwane
Tlou Phillemon Mathane, Masters Student, University of Johannesburg, South Africa
Trynos Gumbo, Head of Department and Associate Professor University of Johannesburg, Department of Urban and Regional planning, Office 6062, Sixth Floor, John Orr Building, Beit and Siemert Street, 2028. Johannesburg, South Africa

ID 1010 Fashion as a Creative Industry & its Linkage to Sustainability: The Johannesburg Fashion District
Dineo Queen Phuti Mpati & Simbarashe Donald Zvinoera

ID 715 Interactive CONstraint-based Configuration: Hybridization of filtering and compilation approaches
Idir BOUMBAR, Élise Vareilles, ISAE SUPAERO, Toulouse, France
Hélène Fargier, Senior researcher for CNRS in Artificial Intelligence, IRIT, Toulouse, France
Paul Gaborit, Xavier Lorca, IMT Mines Albi, Albi, France

ID 116 Industrial Layouts Design for a SME in the Electronics Industry
Marlene Brás, Department of Economics, Management, Industrial Engineering and Tourism, University of Aveiro, Aveiro, Portugal
Ana Moura, Department of Economics, Management, Industrial Engineering and Tourism, GOVCOPP – Systems for Decision Support Research Group, University of Aveiro, Aveiro, Portugal

ID 841 Investigating the Innovativeness of Public Transport Systems: the Case of Tshwane Rapid Transit (TRT) 'A Re Yeng'
Mpho Langa, Master's Degree Student at the University of Johannesburg, Department of Urban and Regional Planning,
E.N Makoni, University of Johannesburg, Department of Urban and Regional planning, Office 6062, Sixth Floor, John Orr Building, Beit and Siemert Street, 2028. Johannesburg, South Africa
Trynos Gumbo, University of Johannesburg, Department of Urban and Regional planning, Office 6062, Sixth Floor, John Orr Building, Beit and Siemert Street, 2028. Johannesburg, South Africa

ID 1053 Analysis of FMEA to Determine Failure Mode Priority on the TS Analyzer Machine
Welly Atikno, Master of Industrial Engineering Student, Faculty of Engineering, Universitas Mercu Buana Jakarta, Indonesia
Lien Herliani Kusumah, Master of Industrial Engineering Lecturer, Faculty of Engineering, Universitas Mercu Buana Jakarta, Indonesia

10:00 – 11:45 am, MONDAY**Business Management****Virtual Room 4**

Session Chair: Mahmood Al Kindi, Associate Professor of Industrial Engineering, College of Engineering, Sultan Qaboos University, Muscat, Oman

ID 447 A Socio-Technical System for Rural Community Engagement: The Gwakwani Project
Hannelie Nel, Postgraduate School of Engineering Management, University of Johannesburg, Johannesburg, South Africa
Suné von Solms, Department of Electrical Engineering, University of Johannesburg, Johannesburg, South Africa

ID 306 Impact of Digital Payment on Commercial Banks in China
WANG Haopeng, Aldy Gunawan, School of Computing and Information Systems, Singapore Management University, Singapore

ID 073 A Survey of Maintenance Management Systems in Indonesia Primary School Institutions
Ajun Tri Setyoko, Ari Nugraheni, Mutiara, Rahmat Nurcahyo, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 075 A Survey of Maintenance Management Systems in Indonesian Convenience Stores
Hanoum Salsabila, Wendy Febrianty Mardiyah, Yola Lista Valentina, Mutia Perwita Sari, Master of Engineering Student in Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia
Rahmat Nurcahyo, Professor in Management System, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 412 A Systematic Review on Contractual Challenges and Constraints in Construction Industry Relate to a Pandemic Situation (COVID 19)
R.D.W.W.Jayathilaka and K.G.A.S.Waidyasekara f, Department of Building Economics, University of Moratuwa, Sri Lanka

ID 490 Academic Dishonesty and Financial Reporting Fraud Intention
Rahayu Abdul Rahman, Faculty of Accountancy, Universiti Teknologi MARA Perak Branch, Tapah, Perak, Malaysia

ID 322 Action Research of Product Innovation based on The Recent Trends in Improving Sales Performance
Viny Charlene Tedja, Renaldy Widjaya, Eriana Astuty, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Bandung Campus, Bandung, Indonesia

ID 842 A Decision Analytic Model for SMEs' Sustainability in Oman
Mahmood Al Kindi, Associate Professor of Industrial Engineering, College of Engineering, Sultan Qaboos University, Muscat, Oman
Sami Al Kharousi, Assistant Professor of Industrial Engineering, College of Economics and Political science, Sultan Qaboos University, Muscat, Oman

10:00 – 11:45 am, MONDAY**Operations Management****Virtual Room 5**

Session Chair: Arif Setiyaji, Bina Nusantara University, Jakarta, Indonesia

ID 317 Distributed Manufacturing and Supply Chains, Applying Multi-Attribute Decision Supporting System

Robert Istvan Radics, Senior Lecturer in Supply Chain Management, Faculty of Agribusiness and Commerce, Lincoln University, Lincoln, New Zealand
 Muhammad Umar, Lecturer in Supply Chain Management, Faculty of Agribusiness and Commerce, Lincoln University, Lincoln, New Zealand
 Linh NK Duong, Senior Lecturer in Supply Chain Management, Bristol Business School, The University of the West of England, Bristol, England

ID 336 Layout Optimization and Workplace Engineering for Improving Manufacturing Performance with Reference of A Bangladesh RMG Industry

Shanjoy Chowdhury and Md. Asadujjaman, Department of Industrial and Production Engineering, Rajshahi University of Engineering and Technology, Rajshahi, Bangladesh

ID 041 Omni-Channel Fulfillment Models

Bahriye Cesaret, Assistant Professor of Operations Management, Faculty of Business, Ozyegin University, Istanbul, Turkey
 Armagan Bayram, Assistant Professor of Industrial Engineering, College of Engineering & Computer Science, University of Michigan at Dearborn, Dearborn, Michigan, USA

ID 186 Packaged Juice Warehouse Operations Improvement using Business Process Reengineering Approach

Amalia Fitri Muharommah and M. Dachyar, Industrial Engineering Department, Universitas Indonesia, Depok, Indonesia

ID 641 Productivity Improvement In Car Detailing Process At Java Detailing Workshop With Mepis Productivity Cycle

Alif Akbar Ramadhani, Student of Industrial and System Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia
 Patdono Suwignjo, Associate Professor in Industrial and System Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia
 Moses Laksono Singgih, Professor in Industrial and System Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia

ID 033 Social Networking: Strategies for Exploring Innovation in the Indonesian Manufacturing Industry

Maria Pampa Kumalaningrum, Management Doctoral Program-Faculty of Economic and Business, Universitas Gadjah Mada (UGM), Yogyakarta, Indonesia, Department of Management-Faculty of Economic and Business, STIE Yayasan Keluarga Pahlawan Negara (STIE YKPN), Yogyakarta, Indonesia
 Wakhid Slamet Ciptono, Nurul Indarti, and Boyke Rudy Purnomo, Department of Management-Faculty of Economic and Business, Universitas Gadjah Mada (UGM), Yogyakarta, Indonesia

ID 274 The Framework of Plantation Leadership: An Insight from Indonesia

Sudardi Waribi, PhD Student in Management Science, Postgraduate Program, Universitas Negeri Jakarta, Jakarta, Indonesia
 Elkana Timotius, Assistant Professor of Industrial Engineering, Faculty of Engineering and Computer Sciences, Universitas Kristen Krida Wacana Jakarta, Indonesia

ID 608 The Importance of Customer Focus for Organizational Performance: A Study Focus to an Information, and Communication Technology Company based in Indonesia

Arif Setiyaji, bachelor's degree Student, Telecommunication Operation Manager PT. Lintasarta Sulampua Management Department, Faculty of BINUS Online Learning, Bina Nusantara University, Jakarta, Indonesia
 Gertrudes Maria De Fatima Frans Alves, bachelor's degree Student, Consular, Passport and Protocol Officer Timor Leste, Management Department, Faculty of BINUS Online Learning, Bina Nusantara University, Jakarta, Indonesia
 Lianna Wijaya, Faculty Member, Management Department, Faculty of BINUS Online Learning, Bina Nusantara University, Jakarta, Indonesia

10:00 – 11:45 am, MONDAY

Tutorial on Data to Value

Virtual Room 6

Dr. Kemal Kilic
 Associate Professor
 Faculty of Engineering and Natural Sciences
 Sabanci University
 Istanbul, Turkey

March 7, 2022 (Monday) - Session: 12:00 – 1:45 pm

12:00 – 1:45 pm, MONDAY

Undergraduate Paper Competition

Virtual Room 1

Judging Committee Chair: Dr. Mizanur Rahman, Universiti Teknologi Malaysia

ID 440 Performance Measures of COVID-19 Vaccine Center Using Simulation Modeling: A Case Study

Amro Qari, Hussain Kamarin, Taher Alzabidi, Ahmad Rayes, and Omar Abobkr, Industrial Engineering Department, King Abdulaziz University, Jeddah, Makkah, KSA

ID 473 Relationship between Lean Manufacturing Practice and Product Quality in a Halal Food Industry: A Case Study in Tanjung Karang, Selangor, Malaysia

Nur Hidayah Misron, Mohamad Ali Selimin and Lee Te Chuan, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia, Batu Pahat, Johor 86400, Malaysia

ID 355 Workload Analysis to Determine Optimal Number of Employees by Considering Physical and Mental Workload (Case Study: Administration Department and Partnership & Acquisition Department at Karya Lokal Indonesia)

Rajib Nur Mohammad and Sri Susilawati Islam Department of Industrial Engineering, Faculty of Engineering and Technology, Sampoerna University South Jakarta, Indonesia

ID 779 Business Process Re-engineering of KE and ES Marketing Sales and Distribution Process utilizing S4 Hana

Daniele De Guzman, Romulo Fronda Jr., Samuel Mirasol, King Perez, Grace Lorraine Intal, School of Information Technology, Mapua University Makati, Philippines

ID 819 Business Process Reengineering of the Purchasing department of Lezzon Philippines Inc using ERP System

Chloe Ysabel P. Zerrudo, Christian Ross Abayle, Lew Carmelino, Roland Jay-Ar R. Espinosa, Rambert Ginez and Grace Lorraine D. Intal, School of Information Technology Mapua University, Manila, Philippines

ID 843 A Study on the Assessment of E-Commerce Application: Home Buddies using SWOT Analysis

Coleen M. Dela Cruz, School of Information Technology, Mapua University, Manila City, Philippines
 Patrick Watson, School of Information Technology, Mapua University, Manila City, Philippines
 Grace Lorraine D. Intal, School of Information Technology, Mapua University, Manila City, Philippines

ID 850 Application of the SMED method to increase the efficiency of the sealing process in a Peruvian company that produces flexible plastic

Jose Alejandro Vargas-Acha, Tomas Aramburu-Linares, Juan Carlos Quiroz-Flores, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima Perú

ID 680 Characterization of Distribution Networks for Urban Freight Transportation with Light Electric Vehicles (LEV): A Case Study

Roberto Galarza-Tamez, Sebastián Zazueta-Nassif and Vicente P. Montemayor-Villarreal, Industrial and Systems Engineering, Universidad de Monterrey, San Pedro Garza Garcia, Mexico
 Jenny Díaz-Ramírez, Professor School of Engineering and Technologies, Universidad de Monterrey, San Pedro Garza Garcia, Mexico

ID 923 Plan to improve the logistical management of drug distribution in the health sector using the lean manufacturing methodology in the department of Puno

Renzo Cabrera, Student of Industrial Engineering Facultad de Ingeniería y Arquitectura, Universidad de Lima Lima, Perú
 Julio Lázaro, Student of Industrial Engineering Facultad de Ingeniería y Arquitectura, Universidad de Lima Lima, Perú
 Wilfredo Hernández, Professor of Industrial Engineering Facultad de Ingeniería y Arquitectura, Universidad de Lima Lima, Perú

ID 1032 Reducing customers wait time for repairs in the service department at C-Auto in Puerto Rico

Joshua R. Rodriguez and Jannette Pérez-Barbosa, Department of Engineering, Universidad Ana G. Méndez, Gurabo, Puerto Rico 00778, USA

12:00 – 1:45 pm, MONDAY**Graduate Student Paper Competition****Virtual Room 2**

Judging Committee Chair: Dr. Abdulaziz T. Almaktoom, Associate Professor & Chair of Supply Chain Management, Effat University, Jeddah, Saudi Arabia

ID 190 Enhancing Efficiency of Plasma-Activated Water Using Microbubbles/Nanobubbles Techniques

Kochakon Moonsub, Advanced Manufacturing and Management Technology Research Center, Ph.D.'s Degree Program in Industrial Engineering,, Department of Industrial Engineering, Chiang Mai University, Chiang Mai, Thailand
 Dheerawan Boonyawan, Plasma and Beam Physics Research Facility, Department of Physics and Materials Science, Faculty of Science, Chiang, Mai University, Chiang Mai, Thailand
 Vishnu Tonglek, Department of Electrical Engineering, Faculty of Engineering, Rajamangala University of Technology Lanna, Chiang Mai, Thailand
 Wassanai Wattanutchariya, Advanced Manufacturing and Management Technology Research Center, Department of Industrial Engineering, Chiang Mai University, Thailand

ID 148 Evaluation of Student Outcomes in Remote Learning using Structural Equation Modelling: The Philippines Settings during COVID-19 Pandemic

Gabriel C. Bucu, Department of Industrial and Systems Engineering, De La Salle University, Taft Avenue, Manila, 1002, Philippines Department of Industrial Engineering, University of Santo Tomas, España Boulevard, Sampaloc, Manila, 1008, Philippines
 Richard S. Li, Department of Industrial and Systems Engineering, De La Salle University, Taft Avenue, Manila, 1002, Philippines
 Anthony S.F. Chiu, Department of Industrial and Systems Engineering, De La Salle University, Taft Avenue, Manila, 1002, Philippines

ID 135 Evaluation of the Effectiveness of Plasma Gel for Disinfection

Soithong Lungpam, Advanced Manufacturing and Management Technology Research Center, Department of Industrial Engineering, Chiang Mai University, Chiang Mai, Thailand
 Wassanai Wattanutchariya, Advanced Manufacturing and Management Technology Research Center, Department of Industrial Engineering, Chiang Mai University, Chiang Mai, Thailand

ID 207 Interactive CONSTRAINT-based Configuration: Hybridization of filtering and compilation approaches

Idir BOUMBAR, Élise Vareilles, ISAE SUPAERO, Toulouse, France
 Hélène Fargier, Senior researcher for CNRS in Artificial Intelligence, IRIT, Toulouse, France
 Paul Gaborit, Xavier Lorca, IMT Mines Albi, Albi, France

ID 794 A Method for Requirements Analysis

Seyed Ali Gamarooni Pour and Anjali Awasthi, Concordia University, Montreal, Canada

ID 796 Systematic Literature Review of the Impact of State Budget Cuts on Public Higher Education Institutions in the U.S.

Praveen Kumar Guraja, Assistant Professor of Information Technology Management, Faculty of Coleman College of Business, University of Pikeville, Pikeville, KY 41501, USA
 M. Affan Badar and Farman A. Moayed, Professors of College of Technology, Indiana State University, Terre Haute, IN 47809, USA
 Christopher J. Kluse, Associate Professor of Quality Systems, Faculty of College of Technology, Architecture and Applied Engineering, Bowling Green State University, Bowling Green, OH 43403 USA

ID 951 Reorganization and Development of a Car Design Laboratory through QFD and SDE Models to Generate Innovative Projects

Giulio Galilé, Patrich Ferretti, Christian Leon-Cardenas, Giulia Alessandri, Gian Maria Santi, Department of Industrial Engineering Alma Mater Studiorum University of Bologna Viale Risorgimento, 2 – 40136, Bologna, Italy

12:00 – 1:45 pm, MONDAY**Human Factors and Ergonomics Competition****Virtual Room 3**

Judging Committee Chair: Abdelhakim Abdelhadi, Prince Sultan University, Riyadh, Saudi Arabia

ID 614 Assessing the Staff Happiness in Malaysia's Higher Education Institutions via Individual Factors

Jalilah Md Shah, Senior Lecturer of Social Anthropology, Universiti Malaysia Sabah, Sabah, Malaysia
 Khairunesa Isa, Senior Lecturer of Social Science, Center for General Studies and Curriculum, Universiti Tun Hussein Onn Malaysia
 Sarala Thulasi Palpanadan, Senior Lecturer of Language Studies, Centre for Language Studies, Universiti Tun Hussein Onn Malaysia
 Nurliyana Md Rosni, Research Assistance of Social Science, Center for General Studies and Curriculum, Universiti Tun Hussein Onn Malaysia

ID 465 Hidayatullah Network in Minahasa: Pesantren and Political Activities

Rukmina Gonibala Institut Agama Islam Negeri (IAIN) Manado, North Sulawesi, Indonesia
 Almunauwar Bin Rusli, Institut Agama Islam Negeri (IAIN) Manado, North Sulawesi, Indonesia
 Achmad Ubaidillah, Universitas Agama Islam Negeri Syarif Hidayatullah, Jakarta, Indonesia
 Ismail Suardi Wekke, Institut Agama Islam Negeri (IAIN) Sorong, West Papua, Indonesia

ID 518 Implementation of Andragogy Principles in MBKM based Hybrid Learning at Narotama University

Rofik Jalal Rosyanafi, Program Studi PG-PAUD, Fakultas Hukum, Ekonomi dan Pendidikan, Universitas Narotama, Surabaya, Indonesia
 Varia Virdania Virdaus, Program Studi PG-PAUD, Fakultas Hukum, Ekonomi dan Pendidikan, Universitas Narotama, Surabaya, Indonesia
 Anisa Yunita Sari, Program Studi PG-PAUD, Fakultas Hukum, Ekonomi dan Pendidikan, Universitas Narotama, Surabaya, Indonesia
 Febritesna Nuraini, Program Studi PG-PAUD, Fakultas Hukum, Ekonomi dan Pendidikan, Universitas Ahmad Dahlan, Yogyakarta, Indonesia
 Wiwin Yulianingsih, Program Studi Pendidikan Luar Sekolah, Fakultas Ilmu Pendidikan, Universitas Negeri Surabaya, Surabaya, Indonesia
 Bagus Cahyanto, Pendidikan Guru Madrasah Ibtidaiyah, Fakultas Agama Islam, Universitas Islam Malang, Malang, Indonesia

ID 290 Interpreting the Principle 'Belief in One Supreme God'; The Relationship between Religion and the State according to Pancasila of Indonesia

Muhammad Sabri, Universitas Islam Negeri Alauddin Makassar, South Sulawesi, Indonesia
 Ismail Suardi Wekke, Institut Agama Islam Negeri (IAIN) Sorong, West Papua, Indonesia
 Muhammad Ikhsan, Institut Agama Islam Negeri (IAIN) Kendari, Indonesia

Sohrah Sohrah, UIN Alauddin Makassar., Indonesia
 Lanri Febrianty M. Nungsi, Sekolah Tinggi Agama Islam Ypiq Baubau, Indonesia

ID 550 Management of Heterogeneous Classroom Learning Using Diagnostic Assessment in Narotama University Student Exchange Program
 Rofik Jalal Rosyanafi, Anisa Yunita Sari, Fitri Rofiyarti, Muhammad Ikhsan Setiawan, Program Studi PG-PAUD, Fakultas Hukum, Ekonomi dan, Pendidikan, Universitas Narotama, Surabaya, Indonesia
 Gunarti Dwi Lestari, Program Studi Pendidikan Luar Sekolah, Fakultas Ilmu Pendidikan, Universitas Negeri Surabaya, Surabaya, Indonesia
 Heryanto Susilo, Program Studi Pendidikan Luar Sekolah, Fakultas Ilmu Pendidikan, Universitas Negeri Surabaya, Surabaya, Indonesia

ID 613 Online Learning Experience of Malaysian University Student during Covid-19
 Nurliyana Md Rosni, Research Assistance of Social Science, Center for General Studies and Curriculum, Universiti Tun Hussein Onn Malaysia
 Khairunesa Isa, Senior Lecturer of Social Science, Center for General Studies and Curriculum, Universiti Tun Hussein Onn Malaysia
 Sarala Thulasi Palpanadan, Senior Lecturer of Language Studies, Centre for Language Studies, Universiti Tun Hussein Onn Malaysia

ID 375 Safety Risk Management Analysis at Pt. Xyz Using the HIRADC and FMEA Approach
 Bready Fernando, Alyssa Felicia Wijaya Yakup, Lina Gozali, Student of Industrial Engineering, Faculty of Engineering, Tarumanagara University, Jakarta, Indonesia
 Ahad Ali, Industrial Engineering Department, Lawrence Technological University, Southfield, Michigan 48076, USA

ID 556 The Impact of MBKM in the Digital Efforts of Students of the Department of Teacher Education-Early Childhood Education during the Pandemic and Industrial Revolution Era 4.0

Rofik Jalal Rosyanafi and Sugito Muzaqi, Program Studi PG-PAUD, Fakultas Hukum, Ekonomi dan Pendidikan, Universitas Narotama, Surabaya, Indonesia
 Lukman Junaedi, Program Studi Sistem Informasi, Fakultas Teknik dan Ilmu Komputer, Universitas Narotama, Surabaya, Indonesia
 Sri Wiwoho Mudjanarko, Program Studi Teknik Sipil, Fakultas Teknik dan Ilmu Komputer, Universitas Narotama, Surabaya, Indonesia
 Rivo Nugroho, Program Studi Pendidikan Luar Sekolah, Fakultas Ilmu Pendidikan, Universitas Negeri Surabaya, Surabaya, Indonesia
 Titis Angga Rini, Pendidikan Guru Sekolah Dasar, Fakultas Ilmu Pendidikan, Universitas Negeri Malang, Malang, Indonesia

ID 710 Effects of Academic Workload to the Mental Fatigue of Students during Online Class
 Madeline Anne Patrice C. Sy, Maryam G. Irene, Frankern Luis S. Malabayoc, Ma. Daniella M. Sobrevilla, Ma. Janice J. Gumasing, School of Industrial Engineering and Engineering Management, Mapua University, Muralla St. Intramuros, Manila, Philippines

ID 830 A Structural Equation Model on Relationship between Workers' Performance and Their Five Factor Personality in The Case of Downward Social Comparison

Yanwen Dong, Cluster of Science and Technology, Fukushima University, Fukushima city, Japan
 Jiali Du, Graduate School of Symbiotic Systems Sciences and Technology, Fukushima University, Fukushima city, Japan

ID 966 Mental Workload Measurement of ICU Nurses by Using NASA-TLX Method

Abrar Alshemali, Eiman Alikhan, Fatemah Alenezi, Saja Abdulsalam, Wuroud Alhajri, and Suat Kasap, College of Engineering and Technology, Industrial Engineering Department American University of the Middle East, Eqaila, Kuwait

ID 977 Identification of Ergonomic Risk Factors and Postural Analysis in Electrical Transformer Manufacturing Industry in Karnataka

Vidyadhar G. Biradar, Research Scholar, Industrial and Production Engineering Department, P.D.A.College of Engineering, Kalaburagi, Karnataka, India.
 Qutubuddin S.M., Associate Professor, Industrial and Production Engineering Department, P.D.A. College of Engineering, Kalaburagi, Karnataka, India
 Hebbal S.S., Principal P.D.A.College of Engineering Kalaburagi, Karnataka, India

12:00 – 1:45 pm, MONDAY

Business Management

Virtual Room 4

Session Chair: Riri Fitriana, Universitas Indonesia, Depok, West Java, Indonesia

ID 582 Adoption of Industrialised Building System (IBS) in Government and Private Project: Does It Satisfy the Key Performance Indicator (KPI) of Government?

Natasha Dzulkalnine, Nurulhuda Mat Kilau and Gerald Sundaraj, Construction Research Institute of Malaysia (CREAM), Level 29, Sunway Putra Tower, No.100, Jalan Putra, 50350, Kuala Lumpur, Malaysia

ID 453 An Efficient Simulation Algorithm to Compute Collision Probability in a Parallel Machines Model with Buffers

Taiki Otsuka, Faculty of Business Design and Informatics, Tsukuba Gakuin University, Tsukuba, Ibaraki, Japan
 Eishi Chiba, Department of Industrial and Systems Engineering, Faculty of Science and Engineering, Hosei University, Tokyo, Japan

ID 569 An Evaluation on The Service Delivery Capacity of Engineering Educators from Selected Universities in the National Capital Region, During the COVID-19 Pandemic

Vien Ericka D. Medina, Marie Nanz S. Bacani, Iane Xavier E. Go, Kimberly E. Cruz, Joehanna K. Ngo, Ardivin Kester S. Ong, Department of Industrial Engineering, Faculty of Engineering, University of Santo Tomas, España Blvd., Metro Manila, Philippines

ID 654 An Experimental Study: The Perception Of The Availability Of Facebook Pay As An Escrow Service And The Impact On Purchase Intention on Instagram

Siti Noviani, Clark Immanuel, and Chairuddin Ahmad, Student of Magister Management, Program of Creative Marketing, Binus Business School Jakarta, Indonesia
 Dr. Rini Setiowati, S.E., M.B.A, Lecturer of Magister Management, Program of Creative Marketing, Binus Business School, Jakarta, Indonesia

ID 193 An Integrated Intuitionistic Fuzzy MCDM Approach to Rank Alternatives of Polycarbonate Thermoplastic Resins

Ilknur Karacan, Ismet Karacan, and Inanc Erdogan, AN-EL Anahtar ve Elektrikli Ev Aletleri San. A.S., Pendik, 34896, Turkey
 Ozlem Senvar, Serol Bulkan, Department of Industrial Engineering, Marmara University, Maltepe, 34854, Turkey

ID 102 An Outlook to Childhood Obesity in Saudi Arabia using VOSviewer

Tayeb Brahim, Associate Professor at the College of Engineering, Energy and Technology Research Centre, Natural Science, Natural Science, Mathematics and Technology Unit, Effat University, Jeddah, Saudi Arabia
 Hala Haneya, Hanin Balbaid and Hafsa Ranjha, Student at the Computer Science Department, College of Engineering, Effat University, Jeddah, Saudi Arabia
 Kholoud Khateeb, Assistant Professor at the Computer Science Department, College of Engineering, Effat University, Jeddah, Saudi Arabia

ID 088 Analysis and Exploratory Study of Preventive Maintenance Implementation: A Case Study from Coffee Shops in Bandung, West Java

Riri Fitriana, Maya Sukmawati, Muhammad Y Salam, Tsany N Hidayat, Industrial Engineering Department, Faculty of Engineering, Universitas Indonesia, Depok, West Java, Indonesia

ID 645 The Impact of Trust on Social Media Influencers on Customer Travel Decision Making

Vu Tuong Nguyen Le, English Program of Global Business, Chinese Culture University, Taipei, Taiwan
 Ming Liu, Department and Graduate school of Tourism Management, Chinese Culture University, Taipei, Taiwan

12:00 – 1:45 pm, MONDAY**Global Business Management Education****Virtual Room 5**

Session Chair: Mohammed Alzoraikil, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia

ID 499 Analysis of Relationship between the Comprehension of MBKM (Independent Learning Independent Campus) Curriculum and the Loyalty of Students and Lecturers of the Faculty of Law, Economics and Education, Narotama University

Arasy Alimudin, Associate Professor of Strategic Management, Narotama University, Surabaya, Indonesia
 Sri Wiwoho Mudjanarko and M. Ikhsan Setiawan, Assistant Professor of Civil Engineering, Narotama University, Surabaya, Indonesia
 Agus Sukoco, Assistant Professor of Entrepreneurship, Narotama University, Surabaya, Indonesia
 Achmad Zakki Falani, Assistant Professor of Informatics Engineering, Narotama University, Surabaya, Indonesia
 Ani Wulandari, Lecturer of Management Major, Narotama University, Surabaya, Indonesia

ID 494 Analysis of the Influence of Digital Economy Collaborative Learning towards Achievement and Recognition of Students and Lecturers of Management Major of Narotama University

Arasy Alimudin, Associate Professor of Strategic Management, Narotama University, Surabaya, Indonesia
 Agus Sukoco, Assistant Professor of Entrepreneurship, Narotama University, Surabaya, Indonesia
 Achmad Zakki Falani, Assistant Professor of Informatics Engineering, Narotama University, Surabaya, Indonesia
 Ani Wulandari, Lecturer of Management Undergraduate Program, Narotama University, Surabaya, Indonesia

ID 470 Exploring the Factors Affecting in the Adoption of E-Learning Systems in COVID-19 Pandemic: the Higher Education Students Perspectives

Lianna Wijaya, Faculty Member, Management Department, BINUS Online Learning, Bina Nusantara University, Jakarta, Indonesia
 Santi Santi, Head of Management Program Study, Faculty of Management, STIE BISMA LEPLSI, Tangerang, Indonesia
 Hermanto Yaputra, Faculty Member, Faculty of Economy & Business, Magister Management Trisakti University, Jakarta, Indonesia

ID 519 The Implementation and Impact of MBKM to Accounting Department of Narotama University

Avi Sunani, Rony Wardhana, Ariyani, Frenky Yusuf, Victor Da Costa Monteiro, Program Studi Akuntansi, Fakultas Hukum, Ekonomi dan Pendidikan, Universitas Narotama, Surabaya, Indonesia
 Sri Wiwoho Mudjanarko, Program Studi Teknik Sipil, Fakultas Teknik dan Ilmu Komputer, Universitas Narotama, Surabaya, Indonesia
 Achmad Muchayan, Program Studi Sistem Informasi, Fakultas Teknik dan Ilmu Komputer, Universitas Narotama, Surabaya, Indonesia
 Elok Damayanti, Program Studi Manajemen, Fakultas Hukum, Ekonomi dan Pendidikan, Universitas Narotama, Surabaya, Indonesia

ID 520 The Implementation and Impact of MBKM to Faculty of Law, Business and Education of Narotama University

Avi Sunani, Rony Wardhana, Ariyani, Frenky Yusuf, Victor Da Costa Monteiro, Program Studi Akuntansi, Fakultas Hukum, Ekonomi dan Pendidikan, Universitas Narotama, Surabaya, Indonesia
 Sri Wiwoho Mudjanarko, Program Studi Teknik Sipil, Fakultas Teknik dan Ilmu Komputer, Universitas Narotama, Surabaya, Indonesia
 Achmad Muchayan, Program Studi Sistem Informasi, Fakultas Teknik dan Ilmu Komputer, Universitas Narotama, Surabaya, Indonesia
 Elok Damayanti, Program Studi Manajemen, Fakultas Hukum, Ekonomi dan Pendidikan, Universitas Narotama, Surabaya, Indonesia

ID 436 The Mediating Role of Knowledge Sharing on The Relationship Between Transformational Leadership, Organizational Culture, and Education Quality

Mohammed Alzoraikil and Abd Rahman Ahmad, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia

ID 874 Students' Perceptions about perspectives and attitudes in inter-ethnic relations at the University of Malaysia

Agus Masrukhin, Character Building Development Center, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia
 Hari Sriyanto, Character Building Development Center, Industrial Engineering Department, Faculty of Engineering, Bina Nusantara University, Jakarta, Indonesia

ID 880 The Role of Higher Education Organizations in Inclusive Culture

Heru Widoyo, Character Building Development Center, Computer Science Department, School of Computer Science, Bina Nusantara University, Jakarta, Indonesia
 Agus Masrukhin, Character Building Development Center, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia

12:00 – 1:45 pm, MONDAY**Tutorial 2: Innovation Practices****Virtual Room 6**

by Dr. Kemal Kılıç of Sabancı University

March 7, 2022 (Monday) - Session: 2:00 – 3:45 pm**2:00 – 3:45 pm, MONDAY****Undergraduate Research Competition****Virtual Room 1**

Judging Committee Chair: Dr. Mohammad Khadem, University of Sharjah, UAE

ID 297 Darul Istiqamah Islamic Boarding Schools and the Religious Attitudes of the Biroro Community Sinjai

Idhan Idhan, Andi Nirwana, Syamsul Arif Galib, Universitas Islam Negeri (UIN) Alauddin Makassar, Indonesia
 Ismail Suardi Wkke, Postgraduate Program Institut Agama Islam Negeri (IAIN) Sorong, 98417, Sorong, Indonesia, The Jusuf Kalla Research Center for Bugis Makassar Cultural Studies, Universitas Muslim Indonesia

ID 382 Development of Traveling Friends Search Service through Mobile Application "Destinasi"

Tallita Almira Harvy and Talitha Manggiasihm, Student of Industrial Engineering, Faculty of Engineering, Binus University, Jakarta, Indonesia

ID 234 Dynamic Modeling of Line Start Permanent Magnet Assistance Synchronous Reluctance by Different Rotor Designs for Industrial and Traction Applications

1Bui Minh Dinh, 2Ho Manh Tien, 3Dang Quoc Vuong, 1Hanoi University of Science and Technology (HUST), 2Faculty of Electrical-Electronic Engineering, University of Transport and Communications (UTC)

ID 233 Electromagnetic Design of PMA-SynRM Double V and Inverter Delta

Bui Minh Dinh and Nguyen Viet Anh, Hanoi University of Science and Technology, Vietnam

ID 437 Estimating calories in Arabic food images with Convolutional Neural Network

Takeaki Toma, American University of the Middle East, Kuwait

ID 718 How Scarcity and Perceived Value Affecting Impulse Buying Among Customer during Covid-19

Hanifah Putri Elisa, Mahendra Fakhri, Mahir Pradana, School of Communication and Business Telkom University, Indonesia

2:00 – 3:45 pm, MONDAY**Supply Chain and Logistics Competition****Virtual Room 2**

Judging Committee Chair: Dr. Jay Daniel, Derby Business School, University of Derby, UK

ID 074 A Game Theory Analytics for Intelligent Technology Developments for Robust Supply Chain Management

Rofin T M, Assistant Professor, National Institute of Industrial Engineering, Mumbai, Maharashtra, India
 Sarin Raju, Research Scholar, National Institute of Technology Karnataka, Surathkal, Karnataka, India
 S Pavan Kumar, Associate Professor, National Institute of Technology Karnataka, Surathkal, Karnataka, India
 Sardar M N Islam, Professor, Victoria University, Melbourne, Australia

ID 370 Application of Distribution Activity Planning with Distribution Requirement Planning Method on Pump Products In PT. XYZ

Tasya Monica and Vanecia Marchella Hardinanerl, Student of Industrial Engineering, Faculty of Engineering, Tarumanagara University, Jakarta, Indonesia
 Lina Gozali, Lecturer in Industrial Engineering, Faculty of Engineering, Tarumanagara University, Jakarta, Indonesia
 Ahad Ali, Industrial Engineering Department, Lawrence Technological University, Southfield, Michigan 48076, USA

ID 551 Determination of Distribution Routes with Joint Route Planning Using Differential Evolution Algorithm in the Newspaper Industry

Aldi Pascagama Nurracman, Muhammad Ilman Zidni, Rosifa Sahara Prasiwi, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
 Silvi Istiqomah, Industrial Engineering Department, Faculty of Engineering, Universitas Mahakarya Asia, Jawa Tengah, Surakarta, Indonesia
 Wahyudi Supoto3, Yuniaristanto4, 3) Unrchitecture Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 376 Forecasting and Production Planning, Inventory, Capacity, and Distribution Control in Y-Strainer Production at PT. DSG

Natalia Velony Putri, Lina Gozali, Helena Juliana Kristina, Vivian Lim, Department of Industrial Engineering, Faculty of Engineering
 Universitas Tarumanagara, Jl. Letjen S. Parman No. 1, Jakarta 11440, Indonesia

ID 701 Halal Tourism for Developing Tourism Potential in Lake Toba of Indonesia

Purbatua Manurung, Kamalia Kamalia, Shiyamu Manurung, Universitas Islam Negeri Sumatra Utara, Research and Development and Training Agency of the Ministry of Religious Affairs of Jakarta
 Andriansyah Andriansyah, Universitas Prof. Dr. Moestopo (Beragama), Indonesia
 Ismai Suardi Wekke, Postgraduate Program Intsitut Agama Islam Negeri (IAIN) Sorong, West Papua, Indonesia, Asosiasi Dosen Insan Cita Indonesia

ID 801 Modeling Simulation of Cocoa Transportation in Batang, Middle Java, Indonesia

Dwi Novirani, PhD candidate, School of Architecture, Planning and Policy Development, Institut Teknologi Bandung (ITB), Bandung, Indonesia
 Pradono Pradono, Professor, School of Architecture, Planning and Policy Development, Institut Teknologi Bandung (ITB), Bandung, Indonesia
 Gatot Yudoko, Associate Professor, School of Business and Management (SBM), Institut Teknologi Bandung (ITB), Bandung 40132, Indonesia
 Fadillah Santika, Institut Teknologi Nasional (Itenas Bandung), Bandung 40123, Indonesia

2:00 – 3:45 pm, MONDAY**Lean Six Sigma Competition****Virtual Room 3**

Judging Committee Chair: Abdelhakim Abdelhadi, Prince Sultan University, Riyadh, Saudi Arabia

ID 373 Quality Control Analysis, Six Sigma, Dmaic, And Root Cause Analysis of Ring Cvt (Case Study at Pt. Denapella Lestari)

Ignacia Claresta and Jennifer Juyanto, Student of Industrial Engineering, Faculty of Engineering, Tarumanagara University, Jakarta, Indonesia
 Lina Gozali, Lecturer in Industrial Engineering, Faculty of Engineering, Tarumanagara University, Jakarta, Indonesia
 Ahad Ali, Industrial Engineering Department, Lawrence Technological University, Southfield, Michigan 48076, USA

ID 367 Quality Control And House of Quality Analysis Process of the Product of the Petroleum Pump in PT. XYZ

Jane Chatrine Antonia Sujanto and Kevin Adrian, Student of Industrial Engineering, Faculty of Engineering, Tarumanagara University, Jakarta, Indonesia
 Lina Gozali, Lecturer in Industrial Engineering, Faculty of Engineering, Tarumanagara University, Jakarta, Indonesia
 Ahad Ali, Industrial Engineering Department, Lawrence Technological University, Southfield, Michigan 48076, USA

ID 076 Toward the integration of Lean Six Sigma and Industry 4.0: Current trends and future perspectives-Descriptive Bibliometric Analysis

Dounia Skalli, Abdelkabar Charkaoui, Laboratory of Engineering, Industrial Management and Innovation, Faculty of Sciences and Technology, Hassan 1st University, PO Box 577, Settat, Morocco
 Anass Cherrafi, Laboratory of Mathematical Modeling, Simulation and Smart Systems (L2M3S), ENSAM Meknes, Moulay Ismail University, Morocco

ID 670 TRIZ-ISHIKAWA diagram, a new tool for detecting influencing factors: a case study in HVAC business.

Soumaya Elyoussoufi, Laboratory LM2I, department 2D2I, National school of Electricity and Mechanics (ENSEM), Hassan II University, Casablanca, Morocco
 Mohamed Mazouzi, Laboratory LM2I, department 2D2I, National school of Electricity and Mechanics (ENSEM), Hassan II University, Casablanca, Morocco
 Anass Cherrafi, ENSAM School, Moulay Ismail University, Morocco
 El Mehdi Tamasna, Laboratory LM2I, department 2D2I, National school of Electricity and Mechanics (ENSEM), Hassan II University, Casablanca, Morocco

ID 707 Quality Improvement of Corrugating Medium Paper Using Six Sigma in Paper Manufacturing Company

Graccia Elvina Wijaya, Program Study Magister Management Technology, School of Interdisciplinary Management and Technology, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia
 Moses Laksono Singgih, Professor in Department of Industrial and Systems Engineering, Faculty of Industrial Technology and Systems Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia

2:00 – 3:45 pm, MONDAY**Business Management****Virtual Room 4**

Session Chair: Rahmat Nurcahyo, Professor in Industrial Engineering, Department of Industrial Engineering, Universitas Indonesia, Depok 16424, Indonesia

ID 300 Analysis Factors That Influence the Increasing of Generation Z's Interest in Using Social Media as The Implementation of O2O Business Model in Pandemic Era at Indonesia

Yohannes Kurniawan, Bina Nusantara University, Indonesia

ID 090 Analysis of Customer Satisfaction Level in Accredited Laboratory Testing ISO/IEC 17025 Before and After Pandemic Covid-19 Occurred: A Case Study

Muhammad Y Salam, Rahmat Nurcahyo, Industrial Engineering Department, Faculty of Engineering, Universitas Indonesia, Depok, West Java, Indonesia

ID 700 Analysis of Factors That Affect E-Commerce Technology Adoption for MSMEs in Indonesia

Denisha Vanda Ersya Firsty, Muhammad Dachyar, Industrial Engineering, Faculty of Engineering, University of Indonesia, Depok, Indonesia

ID 319 Analysis of Interviewing Experts in Weightage for Start-Up Business Factors of Edible Bird Nest Swiftlet Ranching Industry

Puspa Liza Ghazali, Anis Aniza Abdul Hadi, Nik Hazimi Mohamad Foziah, Salman Lambak, Faculty of Business and Management, Universiti Sultan Zainal Abidin, 21300 Kuala Nerus. Terengganu. Malaysia.

Ibrahim Sulaiman Mohammed and Mustafa Mamat, Faculty of Informatics and Computing, Universiti Sultan Zainal Abidin, 22200 Besut. Terengganu. Malaysia.

Eni Noreni Mohamad Zain, 4Faculty of Entrepreneurship and Business, Universiti Malaysia Kelantan, 16100 Kota Bharu, Kelantan

Rabiatul Adawiyah Abdul Rohim, Faculty of Medicine, Universiti Sultan Zainal Abidin, 20400, Kuala Terengganu, Terengganu, Malaysia

ID 048 Analysis of Maintenance Management Implementation and Strategy Conceptualization: A Case Study of Hospitals' Maintenance Management in Indonesia

Indesta Aulia Hendra Putri, Gerald Giovanni Raditya Gita, Nathaniel Viandy Dondokambey, Zharalin Suryaputri, Rahmat Nurcahyo Industrial Engineering Department, Universitas Indonesia, Depok, Indonesia

ID 491 Analysis of Swallow Nest Export Strategies from Indonesia to China with Export Restriction Regulations

Dony Saputra, Prima Feminita Asihatka, and Elena Putri Sutanto, Management Department, BINUS Business School Undergraduate Program Bina Nusantara University, Jakarta, Indonesia

ID 068 Analysis of The Effect of Workload on Work Stress Level in Indonesia Manufacturing Industry

Timotius Candra Kusuma, Department of Industrial Engineering, Universitas Indonesia, Depok 16424, Indonesia

Rahmat Nurcahyo, Professor in Industrial Engineering, Department of Industrial Engineering, Universitas Indonesia, Depok 16424, Indonesia

2:00 – 3:45 pm, MONDAY

SCM

Virtual Room 5

Session Chair: Kuldeep Chaudhary, Department of Mathematics, AIAS, Amity University, Noida, U.P.-201301, India

ID 092 Materiality of Supplier Sustainability Assessment for Buyer Companies

Öznr Özdemir-Akyıldırım, Associate Professor of Operations Management, Faculty of Economics and Administrative Sciences, Akdeniz University, Antalya, Turkey

ID 054 Multi-Objective Optimization Model for an Integrated Disassembly Line Balancing and Green Vehicle Routing Problem

Nida Durmaz and Ayşenur Budak, Department of Industrial Engineering, Gebze Technical University, Kocaeli, Turkey

ID 100 Sustainability in the Textile Industry: A Quantitative Analysis of the Role of Supply Chain Disclosure and Supply Chain Complexity

Melek Akın Ateş, Assistant Professor of Purchasing & Supply Management, Sabanci Business School, Sabanci University, Istanbul, Turkey

ID 099 The Impact of Supply Chain Disclosure on Supplier Sustainability: A Qualitative Analysis in the Textile Industry

Melek Akın Ateş, Assistant Professor of Purchasing & Supply Management, Sabanci Business School, Sabanci University, Istanbul, Turkey

ID 031 Total Cost of Ownership Framework for Procurement of Electric Buses in Public Transportation

Mansoor Jahangir Ahmed Khan, Graduate Student of Engineering Management, College of Engineering, Qatar University, Doha, Qatar

Nuri Onat, Qatar Transportation and Traffic Safety Research Center, College of Engineering, Qatar University, Doha, Qatar

Murat Kucukvar, Mechanical and Industrial Engineering, College of Engineering, Qatar University, Doha, Qatar

ID 871 Order Prioritisation Prediction System for Sample Rooms in the Garment Industry

Shirendra De Silva¹, Informatics Institute of Technology, 57, Ramakrishna Road, Colombo-06, Sri Lanka

Gayashini Shyanka Ratnayake², Informatics Institute of Technology, 57, Ramakrishna Road, Colombo-06, Sri Lanka

ID 878 Optimizing Dorikan's Business Performance Using Word of Mouth Strategy

Meliiana Lukman and Iston Dwija Utama, Entrepreneurship Department, Binus Business School Undergraduate Program, Bina Nusantara University, Bandung, Indonesia

ID 832 Determination of Optimal Control policy for a Stochastic Production-inventory Model in Segmented Market

Sunita Mehta, Department of Mathematics, AIAS, Amity University, Noida, U.P.-201301, India

Shivani Bali, Jaipuria Institute of Management, Noida, Uttar Pradesh-201309, India

Kuldeep Chaudhary, Department of Mathematics, AIAS, Amity University, Noida, U.P.-201301, India

2:00 – 3:45 pm, MONDAY

Virtual Room 6

March 7, 2022 (Monday) - Session: 4:00 – 5:45 pm

4:00 – 5:45 pm, MONDAY

Undergraduate Research Competition

Virtual Room 1

Judging Committee Chair: Dr. Mohammad Khadem, University of Sharjah, UAE

ID 458 Modelling & Optimization of a Multi-Objective Humanitarian Logistics Model Using Branch & Cut Algorithm

Ferdous Sarwar, Pritam Deb, Seemanto Saha, Department of Industrial & Production Engineering, Bangladesh University of Engineering & Technology, Dhaka, Bangladesh

ID 378 Product Design And Experiment on Espresso Machine Portafilter Using Reverse Engineering and Vdi 2221 Methods

Alvan Nathanael¹, Evera Olivia², Lina Gozali³, Frans Jusuf Daywin⁴, Department of Industrial Engineering, Faculty of Engineering, Universitas Tarumanagara, Jl. S. Parman No 1, Jakarta, 11440, Indonesia

ID 132 Proposal for the Implementation of Methods Engineering through the Balancing of the Assembly Line in the Production Process of a Textile Apparel Industry for Women's Denim Garments.

Manuel-Fernando Montoya-Ramirez, Liz Madeleine López Zavaleta and Brigitte Antuane Medina Ayala, University of Lima, Faculty of Engineering and Architecture, Peru

ID 037 Stock Market Efficiency - An Information System Perspective

Malithi Thudewatta, University of Kelaniya, Sri Lanka

ID 446 Supply Chain Management Performance Calculation Using The Scor Model Approach Version 11.0 In Printing Companies

Haryadi Sarjono; Aditeguh Suprpto; Vanessya Sanders; Nur Suci Wulandari; and Pungky Herlina, BINUS Business School Undergraduate, Bina Nusantara University, Jakarta, Indonesia

ID 1022 An Analysis Efficiency of Long-Term Scheduling in The Production Process of Manufacturing Companies: A Systematic Literature Review

Hugo Geraldy Tanara, Management Departement, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

Lilya Syopiana, Management Departement, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia
 Livia Putri, Management Departement, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia
 Haryadi Sarjono, Management Departement, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

4:00 – 5:45 pm, MONDAY**Supply Chain and Logistics Competition****Virtual Room 2**

Judging Committee Chair: Dr. Jay Daniel, Derby Business School, University of Derby, UK

ID 023 Logistics Clusters Development in Oman

Dr. Asad Ullah, Assistant Professor of Business Administration, Faculty of Management Studies, Middle East College, Muscat, Oman
 Hana Osama Nabil Ahmed, Student of Logistics and Supply Chain Management, Middle East College, Muscat, Oman

ID 671 Optimization of the Supply Chain System of a Food Factory

Mehmet Savsar1,2 and Mohamad J. Ben Salamah3, 1Kuwait University, College of Engineering & Petroleum, Department of Industrial & Management Systems Engineering, Kuwait and 2Uskudar University, Faculty of Engineering and Natural Sciences, Department of Industrial Engineering, Istanbul, Turkey 3Electric Power Department, The Higher Institute of Energy, The Public Authority for Applied Education and Training, Kuwait, KUWAIT

ID 583 Performance Measurement of 3PL Service Providers for Online Retailers in the Philippines

Kirstien Paola E. Robas, Joyce Carol D. Valimento, and Josephine D. German, School of Industrial Engineering and Engineering Management Mapua University, Muralla St. Intramuros, Manila, Philippines

ID 149 Prioritization of Circular Economy Barriers Using Best Worst Method

Khadija Echefaj, Abdelkabar Charkaoui, Abdelwahed Echchatbi, Faculty of sciences and Techniques, Hassan First University of Settat, Morocco
 Anass Cherrafi, ENSAM- Meknes, Moulay Ismail University, Meknes, Morocco

ID 131 The Current Association between Machine learning Techniques and Digital Smart Supply Chain 4.0 in Managing Transportation Distribution Risk

Hmamed Hala, LM2I Laboratory, ENSAM, , Moulay Ismail University, 50500 Meknes, Morocco
 Cherrafi Anass and Benghabrit Youssef ENSAM, Moulay Ismail University, 50500 Meknes, Morocco

ID 968 Sustainable procurement in the public education sector: Grand Challenges and Future Opportunities

Mahmoud Alalawi, DBA Researcher, College of Business, Law and Social Sciences, University of Derby, Derby, UK
 Jay Daniel, Senior Lecturer in Logistics, College of Business, Law and Social Sciences, University of Derby, Derby, UK

4:00 – 5:45 pm, MONDAY**Simulation Competition****Virtual Room 3**

Judging Committee Chair: Dr. Gokce Kahvecioglu, Research Scientist at Supply Chain Optimization Technologies at Amazon

ID 678 Bulk Cement Simulation to Determine the Capacity of Vessels Considering High and Low Season

Oki Anita Candra Dewi and Af'idatin Nadlifah, Logistics Engineering, Universitas Internasional Semen Indonesia, Gresik, Indonesia

ID 371 New Layout Design for PT ABC Using Systematic Layout Planning and CORELAP Methods with ANN's Forecasting Production Capacity at Repacking Company

Felita Yulianti, Laurencia Tiffany, Lina Gozali, and Adianto, Department of Industrial Engineering, Faculty of Engineering, Universitas Tarumanagara
 Jl. S. Parman No 1, Jakarta, 11440, Indonesia

ID 374 Raw Material Warehouse Layout Design Using Class-Based Storage Method with ProModel and FlexSim Simulation at Automotive Assembling Company

Melynia Novita Pratama, Lina Gozali, Frans Jusuf Daywin, Venny Vioen, Department of Industrial Engineering, Faculty of Engineering Universitas Tarumanagara, Jl. S. Parman No 1, Jakarta, 11440, Indonesia

4:00 – 5:45 pm, MONDAY**Business Management****Virtual Room 4**

Session Chair: Oludolapo Akanni Olanrewaju, Department of Industrial Engineering, Durban University of Technology, Durban, SA

ID 657 Analysis of Twitter social media on the Supporting Criteria of Largest Marketplace Customer Satisfaction in Indonesia

Muhammad Iqbal, Department of Technology Management, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia
 Mohammad Isa Irawan, Department of Mathematics, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia
 Rita Ambarwati Sukmono, Department of Management, Universitas Muhammadiyah Sidoarjo, Sidoarjo, Indonesia

ID 298 Analysis the Use of Telemedicine as Alternative Health Consultation due to COVID-19 Pandemic in Indonesia Context

Yohannes Kurniawan, Bina Nusantara University, Indonesia

ID 086 Application of Big Data in Education

Meltem Yontar Aksoy, PhD student in Industrial Engineering Program, İstanbul Technical University, İstanbul, Turkey

ID 698 Application Of Machine Learning Techniques In Modelling Of Soaked And Unsoaked California Bearing Ratio

1Akinwamide Joshua Tunbosun, Department of Civil Engineering, Faculty of Engineering, The Federal Polytechnic, Ado Ekiti, Ekiti State, Nigeria
 2Jacob Odeh Ehiorobo, Ph.D. 3Osuji Sylvester Obinna. Ph. D. and 4Ebuka Nwankwo. Ph.D., Department of Civil Engineering, Faculty of Engineering, University of Benin, Benin City, Edo State, Nigeria

ID 209 Artificial Intelligence: Insights Into Industrial Purchasing

Laila El Shafie, Graz University of Technology, Austria

ID 692 Assessing the Empowerment Program at a South African University

Sambil Charles Mukwakungu, Sandy Ndlovu, Junior Mabiza and Sihle Mankazana, Department of Quality and Operations Management University of Johannesburg, Johannesburg, South Africa

ID 094 Assessment of MSMEs' Preventive Maintenance: A Case Study of Coffee Shops at DKI Jakarta

Andi Maulana, Alif Faridalthaf, Yvana Sal Sabila, and Zulfaa Irbah Zain, Department of Industrial Engineering, Universitas Indonesia, Kampus Baru UI Depok, Depok 16424, Indonesia

ID 218 Asset Management Models Brief Review and Framework Development for Energy Sustainability & Sustainable Development

Joseph Akpan and Oludolapo Akanni Olanrewaju, Department of Industrial Engineering, Durban University of Technology, Durban, South Africa

4:00 – 5:45 pm, MONDAY**SCM****Virtual Room 5**

Session Chair: Wahyudi Sutopo, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 660 The Future of Digital Procurement and its Benefits in The Global Supply Chain

Dadda Afaf, Ezzine Latifa, Full Professor of Industrial Engineering, ENSAM-Meknes School of Engineering, University Moulay Ismail, Morocco
 Lebher Ikram, ENSAM-Meknes School of Engineering, University Moulay Ismail, Morocco

ID 047 The Study of Factors Affecting the Issuance of COVID-19 Vaccine Passport in The Context of Thailand

Pawinee Siraphuriphath, Cluster of Logistics and Rail Engineering, Faculty of Engineering, Mahidol University, Nakhon Pathom, Thailand
 Assoc.Prof. Dr. Duangpun Kritchanchai, Associate Professor, Director, Centre of Logistics management and Healthcare Supply Chain, Mahidol University, Nakhon Pathom, Thailand

ID 352 Towards a Basis for Policy Framework for Stockouts and Shortages of Drugs

Alvin Carlo J. Calucin, RPh, MBA, Student, Doctor of Philosophy in Business Management – Major in Strategy Management, Philippine Christian University, Manila, Philippines

ID 220 Will Blockchain Technology Meets Diffusion and Adoption Traceability Technology of Supply Chain Management Among Mangosteen Farmers?

Resista Vikaliana¹, Raja Zuraidah Raja Mohd Rasi², I Nyoman Pujawan³, Irwansyah⁴, 1Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia, 2Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia, 3 Department of Industrial Engineering, Institut Teknologi Sepuluh November, Surabaya, Indonesia, 4 Department of Management, STIE Syariah Gasantara, Sukabumi, Indonesia

ID 229 Barriers and drivers of biomass renewable energy as co-firing in industrial supply chain with bibliometric analysis

Sawarni Hasibuan¹, Choesnul Jaqin², Hermawan³, Ika Yunita⁴, Bayu Nugroho⁵, 1,2,4,5Master of Industrial Engineering Program, Universitas Mercu Buana, Jakarta, Indonesia, 3Computer Science Department, Universitas Pakuan, Bogor, Indonesia

ID 451 Detection and Analysis of Barriers to Truck Driver Performance for Safe Transportation

Cansu Akçicek, Research Assistant in Graduate School, Yaşar University, Izmir, Turkey
 Omer Ozturkoglu, Assoc. Professor in Business Administration, Faculty of Business, Yaşar University, Izmir, Turkey
 Yucel Ozturkoglu, Full Professor of Logistics Management, Faculty of Business, Yaşar University, Izmir, Turkey

ID 522 Determining Newspaper Distribution Routes to Reduce Environmental Emissions with Saving Matrix Method Based on Demand Forecasting for Green Logistics

Tasya Santi Rahmawati, Wulan Istifarosa, Yuanita Maharani Tampubolon, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
 Isna Nugraha, Industrial Engineering Department, Faculty of Engineering, Universitas Pembangunan Nasional Veteran Jawa Timur, Surabaya, Indonesia
 Wahyudi Sutopo³, Yuniaristanto⁴, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

4:00 – 6:45 pm, MONDAY

Tutorial 4: Blockchain

Virtual Room 6

by Dr. İsmail Hakkı Polat of Kadir Has University

Ismail Hakkı Polat
 New Media Lecturer
 Kadir Has University
 Istanbul, Turkey

March 7, 2022 (Monday) - Session: 6:00 – 7:45 pm

6:00 – 7:45 pm, MONDAY

Undergraduate Research Competition

Virtual Room 1

Judging Committee Chair: Dr. Mohammad Khadem, University of Sharjah, UAE

ID 468 Existence of Local Wisdom and Its Integration with Environmental Awareness in Education in South Sulawesi

Ahmad Muzawir Saleh, Madrasah Ibtidaiyah Teacher Education Department, Universitas Islam Negeri Alauddin Makassar, Indonesia
 Ismail Suardi Wekke, Postgraduate Program, Institut Agama Islam Negeri (IAIN) Sorong, 98417, Sorong, Indonesia
 The Jusuf Kalla Research Center for Bugis Makassar Cultural Studies, Universitas Muslim Indonesia
 Bakhtiar Abbas, Sekolah Tinggi Ilmu Ekonomi Enam Enam, Kendari, Indonesia

ID 455 How knowledge integrated capacity and knowledge management practice contributes toward organizational performance?

Dr. Muhammad Arif, Professor, Department of Management Sciences, Bahria University, Islamabad, Pakistan
 Dr. Riaz Ahmed, Director Academics, Bahria University, Islamabad, Pakistan
 Dr. Cagri Bulut, Director, Graduate School of Social Sciences, Yasar University, Izmir, Turkey

ID 450 Modeling mode choice preference in a Mexican university with discrete choice models

Juan Estrada-García, Juliana Figueroa, Ezequiel González, Jenny Díaz-Ramírez, Department of Engineering, Universidad de Monterrey, San Pedro Garza García, Mexico

ID 696 Establishment of the Fuel Economy Baseline for Heavy-Duty Vehicles in Mexico

Samantha Villarreal-Cavazos, Mariana Luis-González, Miguel Camacho-Assad and Jenny Díaz, Industrial and Systems Engineering School
 University de Monterrey, San Pedro Garza García, NL 66238, México
 José I. Huertas, School of Engineering and Science-EIC, Tecnológico de Monterrey, Monterrey, México

ID 1118 Optimizing the Liver/Kidney Organ Donation Waiting List in Antalya Using Maxsat and Graph Model

Semai ÜLGEN, Associate Professor of Industrial Engineering, Faculty of Engineering and Natural Sciences, Antalya Bilim University, Antalya, Turkey
 Elifnaz Yangın, Faculty of Engineering and Natural Sciences, Antalya Bilim University, Antalya, Turkey

6:00 – 7:45 pm, MONDAY

High School STEM Competitions

Virtual Room 2

Judging Committee Chair:

ID 1014 PATTERN - Pathfinding Algorithms to Tackle Effective Route Navigation

Tan Beng Yang, Goh Zi Yu, Ng Qi Heng and Chow Ban Hoe, River Valley High School, Singapore

ID 1037 Explore the impact on Sustainability by Space Companies

Aditya Drolia, Cambridge International AS & A Level, Inventure Academy, Bangalore, India

Shekar Babu, Amrita Vishwa Vidyapeetham University, Bangalore, India

ID 734 The Adverse Impact of Virtual Learning on Upper Elementary Students' Intellectual Skills

Takiyah Ali and Anas Ali, Student of Michigan Islamic Academy, Ann Arbor, Michigan, USA

MASTER THESIS COMPETITION

ID 1031 Occupational Safety and Health Risk Analysis on Skycrapers Construction Projects in the Jakarta

Ia Asih and Hernadewita, Master of Industrial Engineering, Universitas Mercu Buana, Jl. Meruya Selatan No.1 Kembangan, Jakarta, Indonesia
Hendra, Faculty of Mechanical Engineering, Universitas Sultan Ageng Tirtayasa, Banten, Indonesia

ID 1039 Business Responsibility and Sustainability Reporting (BRSR) – An Exploratory Study

Bhawana Menghnani, Research Associate, Bengaluru, India
Shekar Babu, Amrita Vishwa Vidyapeetham University, Bengaluru, India

6:00 – 7:45 pm, MONDAY

Senior Design Competition

Virtual Room 3

Judging Committee Chair: Dr. Gokce Kahvecioglu, Research Scientist at Supply Chain Optimization Technologies at Amazon

ID 965 Drilling Rigs Planning and Scheduling

Ahmed Mohamed Al-Mazroey, Husam Hamdan Al-Nasseri, Mazin Matar Al-Rubkhi and Hakan Gultekin (Supervisor), Sultan Qaboos University, Oman

ID 357 Analyzing the Relationship between Equipment Operation Time toward the Queueing Problem of the Head Truck During Loading and Unloading Activity in the Container Yard

Fani Fafas Tafia and Sri Susilawati Islam, Industrial Engineering, Faculty of Engineering and Technology, Sampoerna University, Jakarta, Indonesia

ID 622 Feasibility Study and Planning New Factory Layout Using Systematic Layout Planning (SLP) Method for Smart Trolley

Jonathan Albert, Willy Harianto, Gabrielle Halim³, Geraldo Rafael⁴, Lithrone Laricha Salomon⁵, Lina Gozali⁶, Frans Jusuf Daywin and Helena Juliana Kristina, Andres, Industrial Engineering Department, Universitas Tarumanagara, Jakarta, Indonesia
Agustus Purna Irawan and Harto Tanujaya, Mechanical Engineering Department, Universitas Tarumanagara, Jakarta, Indonesia

ID 397 Forecasting Analysis of Crop Yield in Predicting Sales Orders in Bina Sarana Bakti Foundation

Taufiq Candra, Sampoerna University, Indonesia

ID 848 Investigating the challenges and factors influencing Project Success during the Covid-19 pandemic in Oman

Afnan Al-Saddi, Laila Al-jahwari, Nasr Al-Hinai, Sujan Piya and Al-Saddi, Sultan Qaboos University, Oman

ID 921 Improvement on Geotechnical Failure at Erap Bridge Embankments

Mr. Noel Martin, Department of Civil Engineering Papua New Guinea University of Technology, PNG
Aezeden Mohamed, Department of Mechanical Engineering Papua New Guinea University of Technology, PNG

ID 942 Effects of the Introduction of the Hyperloop on Existing Supply Chains

Malick Ndiaye, Associate Professor of Industrial Engineering College of Engineering, Department of Industrial Engineering American University of Sharjah Sharjah, United Arab Emirates (UAE)
Philip Jarouj, Hassan Sobh, Ali Eisa Almheiri, Anas Azzouz, Industrial Engineering Graduates College of Engineering, Department of Industrial Engineering American University of Sharjah Sharjah, United Arab Emirates (UAE)

ID 955 Occupational Stress in Oil Sector in Kuwait

Ayat Alwazzan, Awatif Alwogy, Fatma Alshourafa, Hessa Alobaid, Nahla Alhindi Wasayef Alazemi and Suat Kasap, College of Engineering and Technology, Industrial Engineering Department American University of the Middle East, Eqaila, Kuwait

6:00 – 7:45 pm, MONDAY

Business Management

Virtual Room 4

Session Chair: Akinwamide Joshua Tunbosun, Department of Civil Engineering, Faculty of Engineering, The Federal Polytechnic, Ado Ekiti, Ekiti State, Nigeria

ID 129 Automatic Identification System Data Quality: Outliers Detection Case

Sara El Mekkaoui, Equipe AMIPS, Ecole Mohammadia d'Ingénieurs, Mohammed V University in Rabat, Morocco
Loubna Benabbou, Département Sciences de la Gestion, Université du Québec à Rimouski, Lévis, Qc, Canada
Abdelaziz Berrado, Equipe AMIPS, Ecole Mohammadia d'Ingénieurs, Mohammed V University in Rabat, Morocco

ID 442 The Determinant Factors of Behavioral Intention in e-sports Watch that Mediated by Flow Experience and Subjective Well-Being

Fransisca Sharon Primettayuri Djuhana, Andrean Fernando, Veronika Saputri, and Arta Moro Sundjaja, Business Management Program, Management Department, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia

ID 158 Brand Image, Price, Customer Oriented Services on Buying Decision with Brand Trust as Mediation Variable In Insurance Company

A Soegihono, Sidik Budiono and John Tampil Purba, Department of Management Faculty of Economics and Business
Universitas Pelita Harapan, Tangerang-15811, Indonesia

ID 059 Broadcaster Conglomerate Businesses Diversification in Indonesia – A Recent View from Non-Traditional Revenue Streams

Yvana Sal Sabila & Rahmat Nurcahyo, Department of Industrial Engineering, Universitas Indonesia

ID 338 Building the Effectively Customer Engagement in Improving Sales Performance

Ivonne Giovanni, Eriana Astuty, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Bandung Campus, Bandung, Indonesia, 40181

ID 188 Business Improvement Strategy for Local ERP Provider Company in Indonesia with SWOT-Fuzzy AHP-TOPSIS Method

Kania Raihan Nabila and M. Dachyar, Department of Industrial Engineering, University of Indonesia, Depok 16424, Indonesia

ID 335 Business performance management for SMEs: country-specific differences in performance drivers lead to different requirements

Rudolf Grünbichler, Researcher, Faculty of Mechanical Engineering and Economic Sciences, Graz University of Technology, Graz, Österreich
Jozef Klučka, Assoc. Prof., Faculty of Security Engineering, University of Žilina, Žilina, Slovakia

ID 753 Geo-Chemical Characterisation of Ekiti State Soils: Implication for Road Works

Akinwamide Joshua Tunbosun, Department of Civil Engineering, Faculty of Engineering, The Federal Polytechnic, Ado Ekiti, Ekiti State, Nigeria

Jacob Odeh Ehiorobo, Ph.D. Osuji Sylvester Obinna. Ph. D. and Ebuka Nwankwo. Ph.D. Department of Civil Engineering, Faculty of Engineering, University of Benin, Benin City, Edo State, Nigeria

6:00 – 7:45 pm, MONDAY**Energy****Virtual Room 5**

Session Chair: Dr. Ahmet Yücekaya, Kadir Has University, Turkey

ID 498 Solar Infrastructure: Mbkm Kkn Desa, Narotama University, Surabaya, Indonesia, Connected Infrastructure And Renewable Energy Technology For Better Village Environment

Muhammad Ikhsan Setiawan, Sri Wiwoho Mudjanarko, Ronny Durrotun Nasihien, Julistyana Tistogondo, Hendro Sutowijoyo, Atik Wahyuni and Diah Ayu Restuti Wulandari, Department of Civil Engineering, Narotama University, Indonesia
 Agus Sukoco and Tubagus Purworismiardi, Department of Management, Narotama University, Indonesia
 Cholil Hasyim and Kuswanto, Darul Ulum University, Jombang, Indonesia

ID 500 Solar Urban: Mbkm Kkn Desa, Narotama University, Surabaya, Indonesia Based On Renewable Energy Technology

Muhammad Ikhsan Setiawan, Sri Wiwoho Mudjanarko, Ronny Durrotun Nasihien, Julistyana Tistogondo, Hendro Sutowijoyo and Rizal Bahaswan Department of Civil Engineering, Narotama University, Indonesia
 Agus Sukoco, Tubagus Purworismiardi and Elok Damayanti, Department of Management, Narotama University, Indonesia
 Cholil Hasyim and Kuswanto, Darul Ulum University, Jombang, Indonesia

ID 501 Solar Village: Mbkm Village Community Service Program, Narotama University, Surabaya, Indonesia, Student Program And After Studies

Muhammad Ikhsan Setiawan, Sri Wiwoho Mudjanarko, Hendro Sutowijoyo, and Rizal Bahaswan, Department of Civil Engineering, Narotama University, Indonesia
 Agus Sukoco, Tubagus Purworismiardi, and Arasy Alimudin, Department of Management, Narotama University, Indonesia
 Cholil Hasyim and Kuswanto, Darul Ulum University, Jombang, Indonesia

ID 512 Solarpower Pump Renewable Energy Supporting Green Farmers Ploso Geneng Village Jombang Indonesia

Muhammad Ikhsan Setiawan, Atik Wahyuni, Sri Wiwoho Mudjanarko, Julistyana Tistogondo and Diah Ayu Restuti Wulandari, Department of Civil Engineering, Narotama University, Indonesia
 Agus Sukoco and Tubagus Purworismiardi, Department of Management, Narotama University, Indonesia
 Cholil Hasyim and Kuswanto, Darul Ulum University, Jombang, Indonesia
 Wahyu Mulyo Utomo, Faculty Of Electrical And Electronic Engineering, Universiti Tun Hussein Onn Malaysia

ID 198 Strategi Pengembangan Brand Awareness Haengbokhae Resto

Kenny Lukman, Krisma Nisha, Kristina Valencia Dew, Universitas Bina Nusantara

ID 162 Strategy Formulation of Health Clinic Service Improvement in COVID-19 Condition Using Fuzzy AHP and QFD Method

Jihan Rihadatul Aisy Siregar and M. Dachyar, Industrial Engineering Department, Universitas Indonesia, Depok, Indonesia

ID 258 Stressor Classification of Filipino Political Tweets Using LDA, SVM, XGBoost, Logistic Regression

Mark Gabriel E. Edaña, Ryan Joseph S. Gonzales, Raphael Carlo B. Laguda and Joel C. De Goma, School of Information Technology, Mapua University – Makati, Makati City, Philippines

ID 771 Focused Sampling Orientation: Strategy for Quality Assurance in Company XYZ

Jhamela Mae Gutierrez and Jenalyn Shigella G. Yandug, School of Industrial Engineering and Engineering Management, Mapua University, 658 Muralla St, Intramuros, Manila

6:00 – 7:45 pm, MONDAY**Engineering Education****Virtual Room 6**

Session Chair: Wahyudi Sutopo, Universitas Sebelas Maret (UNS), Surakarta, Indonesia

ID1054 Analysis of Student Communication Skills in STEM Learning Using Engineering Design Process

Indah Widiastuti, Suci Oktavia, Valiant Lukad Perdana Sutrisno, Department of Mechanical Engineering Education, Sebelas Maret University, Surakarta, Indonesia.

ID 1055 Learning Application Design Using Predict Observe Explain (POE) Model for Computer Practicum in the COVID-19 Pandemic Period in Higher Education

Zulhalim, Assistant Professor of Information System, Department of Information System, STMIK Jayakarta, Jakarta, Indonesia.
 Anton Zulkarnain Sianipar, Assistant Professor of Mathematics & Statistics, Department of Information Technology, STMIK Jayakarta, Jakarta, Indonesia.
 Saprudin, Assistant Professor of Accounting, Department of Accounting, STIE Jayakarta, Jakarta, Indonesia.

ID 1056 Design and Implementation Smart Information Service Customer Touching Application to Support Customer Relationship Management

Muhammad Afnan Habibi, Electrical Engineering Department, Faculty of Engineering, State University of Malang, Malang, Indonesia.
 Ahmad Mursyidun Nidhom, Febrianto Alqodri and Azmi Fachriza Firdaus, Informatics Engineering Department, Faculty of Engineering, State University of Malang, Malang, Indonesia.

ID 1057 “I chose vocational teacher education because” - Exploring the factors influencing the choice of education amongst vocational pre-teacher students in Indonesia

Towip Towip, Mechanical Engineering Education Department, Faculty of Teacher Training and Education, Universitas Sebelas Maret, Surakarta, Indonesia.
 Andri Setiyawan, Mechanical Engineering Department, Faculty of Engineering, Universitas Negeri Semarang, Semarang, Indonesia.

ID 1058 Improved Haar-Like Feature on Tomato Fruit Maturity Classification with K-Nearest Neighbor

Febri Liantoni, Nurcahya Pradana Taufik Prakisyta, Yusfia Hafid Aristyagama, and Puspananda Hatta, Department of Computer and Informatics Education, Universitas Sebelas Maret, Surakarta, Indonesia.

ID1059 Exploring the Impact of Design Thinking on the Development of Computational Thinking Skill: Review of the Literature

Maryam Fadhillah Naylufarhani Hardjanto, Cucuk Budiyanto, and Yusfia Hafid Aristyagama, Department of Informatics Education, Sebelas Maret University, Surakarta, Indonesia.

ID 1060 The Enticing Knowledge of Computational Thinking Development: Lessons Learnt from Recent Educational Literature

Dwi Oktavia, Cucuk Wawan Budiyanto, and Rosihan Ari Yuana, Department of Informatics Education, The Faculty of Teacher Training and Education, Universitas Sebelas Maret, Surakarta, Indonesia.

March 8, 2022 (Tuesday)

March 8, 2022 (Tuesday) - Session: 6:00 – 7:45 am

6:00 – 7:45 am, TUESDAY**Project Management****Virtual Room 1**

Session Chair: Shekar Babu, Professor & Founding Head, Amrita Vishwa Vidyapeetham, Bengaluru, India

ID 1042 Cryptocurrency Exchange Application Acceptance with TAM Model in Indonesia

Annisa Dwi Ananda, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia
 Azka Reivan Mumtaza, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia
 Salsabila Denia Harsyarie, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia
 Fredy Jingga, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia

ID 1043 Reflective Learning Practice in Leadership Development Program

Sri Dhruthi Nallani, Research Assistant, Amrita Vishwa Vidyapeetham, Bengaluru, India
 AD Balakrishnan, Professor, Amrita Vishwa Vidyapeetham, Bengaluru, India
 Shekar Babu, Professor & Founding Head, Amrita Vishwa Vidyapeetham, Bengaluru, India

ID 1044 Sentiment Analysis of CSR and Sustainability of Indian Companies using Twitter

Ramya Darshini R, Amrita Vishwa Vidyapeetham, Bengaluru, India
 Raguvir S., University of Maryland, Baltimore County, United States of America
 Parimi Mastan Rao, Research Associate, Amrita Vishwa Vidyapeetham, Bengaluru, India
 Shekar Babu, Professor & Founding Head, Amrita Vishwa Vidyapeetham, Bengaluru, India

ID 372 The Development of Several Marketing Models in Performance Measurement in Industrial and Business Management Systems

Lina Gozali, Agustinus Purna Irawan, Hetty Karunia Tunjungsari, Caroline De Candra, Vivian Lim, Ryu Nowescophor, and Ariawan Gunadi, Department of Industrial Engineering, Faculty of Engineering, Universitas Tarumanagara, S. Parman Street Number 1, Jakarta 11440, Indonesia
 Teuku Yuri M. Zagloel, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, UI Depok Campus, Indonesia
 Habibah Norehan Haron and Maslin Masrom, Razak Faculty of Technology and Informatics, Malaysian Technology University, Kuala Lumpur 54100, Malaysia
 Benny Tjahjono, Centre for Business in Society, Coventry University, Priory St, Coventry CV1 5FB, United Kingdom
 Docki Saraswati, Department of Industrial Engineering, Universitas Trisakti, Jl. Kiai Tapa no: 1. Jakarta, Indonesia
 Ahad Ali, Industrial Engineering Program, Lawrence Technological University, Southfield, Michigan 48076, USA

6:00 – 7:45 am, TUESDAY**Case Studies****Virtual Room 2**

Session Chair: Dr. Hakan Tozan, Istanbul Medipol University, Turkey

ID 1001 An Investigation of Biodiversity and Genetic Resources: The Importance of Legal Protection in Indonesia

Yulia, Faculty of Law Universitas Malikussaleh Muara Satu, Kota Lhokseumawe, Aceh 24355, Indonesia
 Jumadil Saputra, Faculty of Business, Economics and Social Development Universiti Malaysia Terengganu 21030 Kuala Nerus, Terengganu, Malaysia
 Abdul Talib Bon, Department of Production and Operations Universiti Tun Hussein Onn Malaysia 86400 Parit Raja, Johor Malaysia

ID 898 The Number of Social Media Followers Affects Stock Price of Banks In Indonesia

Budi Rustandi Kartawinata1, Aldi Akbar, Mahir Pradana, Faculty of Communication and Business Telkom University Indonesia Dyah Maharani Public Administration Program STIA Maulana Yusuf Banten Indonesia

ID 972 Analysis of governance principles in the legislative frameworks for Low-income housing development in South Africa

Nana Mhlongo, PhD Candidate in Engineering Management Faculty of Engineering and Built Environment University of Johannesburg Johannesburg, South Africa
 Trynos Gumbo, Head of Department and Associate Professor University of Johannesburg, Department of Urban and Regional planning, Office 6062, Sixth Floor, John Orr Building, Beit and Siemert Street, 2028. Johannesburg, South Africa
 Innocent Musonda, Associate Professor – Construction Management Director: Centre for Applied Research + Innovation in the Built Environment (CARINBE) Leader: ESKOM's EPPEI Specialization Centre University of Johannesburg, John Orr Building, Doornfontein Campus

6:00 – 7:45 am, TUESDAY**Education****Virtual Room 3**

Session Chair: Dr. Adnan Hassan, University Teknologi Malaysia

ID 974 Cyber Risk in Learning 4.0; Indigenous Parenting in Dealing With Children

Fathor Rozi Nurul Jadid University, Probolinggo, East Java, INDONESIA Indonesia

ID 956 An Innovative Approach to Incorporate Entrepreneurship into IE Graduation Projects

Altin Hoti and Suat Kasap, College of Engineering and Technology, Industrial Engineering Department American University of the Middle East, Eqaila, Kuwait

ID 1004 Identifying the Effectiveness of Business Incubator Training among UPN Veteran Jakarta Undergraduate Students: An Application of Randomized Controlled Trial Approach

Widayani Wahyuningtyas, Department of Nutrition Faculty of Health Sciences Universitas Pembangunan Nasional Veteran Jakarta Depok, Daerah Khusus Ibukota Jakarta 12450, Indonesia
 Zackharia Rialmi, Department of Management Faculty of Business and Economics Universitas Pembangunan Nasional Veteran Jakarta Depok, Daerah Khusus Ibukota Jakarta 12450, Indonesia
 Condrowati, Department of Physiotherapy Faculty of Health Sciences Universitas Pembangunan Nasional Veteran Jakarta Depok, Daerah Khusus Ibukota Jakarta 12450, Indonesia
 Jumadil Saputra, Faculty of Business, Economics and Social Development Universiti Malaysia Terengganu 21030 Kuala Nerus, Terengganu, Malaysia
 Abdul Talib Bon, Department of Production and Operations Universiti Tun Hussein Onn Malaysia 86400 Parit Raja, Johor Malaysia

ID 983 Most Recent Issues, Challenges and Opportunities in Technical, Vocational Education and Training Operations Management: A Systematic Review

Raja Surian, Industrial Researcher Razak Faculty of Technology and Informatics University Technology Malaysia Kuala Lumpur, Malaysia
 Mohd Yusof Md Daud, Associate Professor Razak Faculty of Technology and Informatics University Technology Malaysia Kuala Lumpur, Malaysia
 Abdul Yasser Abd Fatah, Senior Lecturer, Razak Faculty of Technology and Informatics University Technology Malaysia Kuala Lumpur, Malaysia
 Anusuyah Subbarao, Senior Lecturer, Faculty Of Management Multimedia University Cyberjaya, Malaysia

ID 980 Musculoskeletal Risks for using Smart Devices in Online Study of University Students

Mohammad Khadem, Sara Alnaqbi, Fatima Alzarouni, Dina Al Sowadi and Rawan Kittaneh, Department of Industrial Engineering and Engineering Management, University of Sharjah, Sharjah, UAE

ID 1000 A Study of Community Empowerment Strategy for Vulnerable Groups in Eradicating Poverty at Aceh Province, Indonesia
Risna Dewi and Teuku Aliady, Faculty of Social and Political Science Universitas Malikussaleh Muara Satu, Aceh Utara, Aceh 24355, Indonesia
Jumadil Saputra and Zikri Muhammad, Faculty of Business, Economics and Social Development Universiti Malaysia Terengganu 21030 Kuala Nerus, Terengganu, Malaysia
Abdul Talib Bon, Department of Production and Operations Universiti Tun Hussein Onn Malaysia 86400 Parit Raja, Johor Malaysia

6:00 – 7:45 am, TUESDAY**SCM and Production****Virtual Room 4**

Session Chair: A. B. M. Mainul Bari, Department of Industrial and Production Engineering, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh

ID 474 Design for Supply Chain Performance Measurement in Fast-Food Restaurant Franchise
Dananta Putra Teja, Department of Technology Management, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia, Kampus ITS, Sukilo, 60111, Indonesia
Iwan Vanany, Department of Industrial and Systems Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia, Kampus ITS, Sukilo, 60111, Indonesia

ID 476 Planning and Optimization of a Post Disaster Multi-Echelon Humanitarian Logistics Network: A Case Study in Bangladesh Perspective
A. B. M. Mainul Bari, Department of Industrial and Production Engineering, Bangladesh University of Engineering and Technology, Dhaka-1000, Bangladesh
K Jamie Rogers and Jay M Rosenberger, Department of Industrial & Manufacturing Systems Engineering, The University of Texas at Arlington, USA

ID 477 Exploration of the Factors Affecting Efficient Production Planning: A case study of the Ready-Made Garments Industries of Bangladesh
A.B. M. Mainul Bari and Sazzadul Islam Ovi, Department of Industrial and Production Engineering, Bangladesh University of Engineering and Technology, Dhaka-1000, Bangladesh

ID 1030 The review on various strategies adopted for implementing and sustaining 5s in a manufacturing industries
Manank Patel and MB. Kiran, Department of Mechanical Engineering, Pandit deendayal Energy University, Gandhinagar, Gujarat, India

ID 1020 Climate Smart Farming – Deployment of Digital Twin Concepts in Agricultural Seed Value Chain
Sundar Raja Vadlamani, President – Supply Chain, SeedWorks International Pvt. Ltd., Hyderabad, India
Chevala VVS Narayana, Manager – Digital Transformation & Data Scientist, SeedWorks International Pvt Ltd., Hyderabad, India
Pulkit Mittal, Digital Business Leader, Tractor Manufacturing and Farming Equipment

ID 1021 Sustainable Food Systems: Recent Advances, Assessment Techniques, and Methodological Compositions
Doa'a M. F. Salameh, Galal M. Abdella, Murat Kucukvar, Mechanical and Industrial Engineering Department, College of Engineering, Qatar University, Doha, Qatar

6:00 – 7:45 am, TUESDAY**Sustainability****Virtual Room 5**

Session Chair: Dr. Amarjit Singh, University of Hawaii at Manoa, Honolulu, Hawaii

ID 903 A Comparative Study of the Barriers to Implementing Environmentally Sustainable Practices in the UAE Construction Industry
Ammar Al-Hawarneh and Hamdi Bashir, Department of Industrial Engineering and Engineering Management College of Engineering, University of Sharjah, Sharjah, UAE

ID 904 Measuring Sustainability Awareness in Early business Stage
Mulyani Karmagatri, Entrepreneurship Department, BINUS Business School Undergraduate Program Bina Nusantara University, Jakarta, Indonesia
Ronny Samsul Bahri, Entrepreneurship Department, BINUS Business School Undergraduate Program Bina Nusantara University, Jakarta, Indonesia
Imanda Dea Sabiella, Entrepreneurship Department, BINUS Business School Undergraduate Program Bina Nusantara University, Jakarta, Indonesia 11480

ID 1007 Linking Sustainability, Resilience and Liveability with Smart City Development: Modeling Interconnections Using Systems Approach
Adeeb A. Kutty, Murat Kucukvar, Galal M. Abdella, Mechanical and Industrial Engineering Department College of Engineering, Qatar University Doha, Qatar
Najeeba Kutty, Architectural Engineering Department College of Engineering, United Arab Emirates University Al-Ain, United Arab Emirates
Nuri C. Onat, Qatar Transportation and Traffic Safety Centre College of Engineering, Qatar University Doha, Qatar

ID 894 Local Community Participation in Support The Existence and Sustainability of Ecotourism Development Geopark Ciletuh-Palabuhanratu
Aris Munandar, Erna E. Chotim, Adilita Pramanti, Department Sosiologi Fakultas Ilmu Sosial dan Ilmu Politik, Universitas Nasional, Jakarta, Indonesia

ID 950 The influence of customer perceptions of Willingness to Pay on street food during the COVID-19 pandemic
Iwan Vanany S.T., M.T., Ph.D., Professor of Industrial and System Engineering Faculty of Industrial Technology and Systems Engineering Institut Teknologi Sepuluh Nopember Surabaya, Indonesia
Puput Rahmawati S.T., Industrial and System Engineering Faculty of Industrial Technology and Systems Engineering Institut Teknologi Sepuluh Nopember Surabaya, Indonesia.

ID 924 Mutualism Interaction Model of Start-up Communities and University Business Incubators: A Research Agenda
Iwan Iwut Tritoasmoro, Interdisciplinary School of Management and Technology, Institut Teknologi Sepuluh Nopember, Surabaya 60111, Indonesia School of Electrical Engineering, Telkom University, Bandung, Indonesia
Udisubakti Ciptomulyono, Interdisciplinary School of Management and Technology, Institut Teknologi Sepuluh Nopember, Surabaya 60111, Indonesia
Tatang Akhmad Taufik, Interdisciplinary School of Management and Technology, Institut Teknologi Sepuluh Nopember, Surabaya 60111, Indonesia
Wawan Dhewanto School of Business and Management, Bandung Institute of Technology Jl.Ganesha 10 Bandung, Indonesia

ID 893 Business Hegemony of the United States and China in Indonesia
Fadra Faculty of Social and Political Sciences, University of Prof. Dr. Moestopo (Beragama) Jl. Hang Lekir 1, No. 8, Jakarta 10270, Indonesia.
B. A. Shiriaev and N. A. Tsvetkova Faculty of International Relations, St. Petersburg State University Ulitsa Smolnogo 1/3, St. Petersburg, Russian Federation

6:00 – 7:45 am, TUESDAY**Occupational Safety****Virtual Room 6**

Session Chair: Dr. Jafri, UTM

ID 1002 Determining and Evaluating the Pyrolysis of Candelnut Shell as an Alternative Energy Sources
Sulhatun, Muhammad, Suryati, Meriatna and Lukman Hakim, Department of Chemical Engineering Faculty of Engineering Universitas Malikussaleh Muara Batu, Aceh Utara, Aceh, Indonesia
Jumadil Saputra, Faculty of Business, Economics and Social Development Universiti Malaysia Terengganu 21030 Kuala Nerus, Terengganu, Malaysia
Abdul Talib Bon, Department of Production and Operations Universiti Tun Hussein Onn Malaysia 86400 Parit Raja, Johor Malaysia

ID 1005 Investigating the Authority of the Prosecutor as An Alternative for Criminal Case Handling in the Indonesian Justice System
Jamaluddin, Marlia Sastro, Ramziati, Faculty of Law Universitas Malikussaleh Muara Satu, Kota Lhokseumawe, Aceh 24355, Indonesia
Jumadil Saputra, Faculty of Business, Economics and Social Development Universiti Malaysia Terengganu 21030 Kuala Nerus, Terengganu, Malaysia.

ID 885 Analysis of Increasing Problems of Religious and Ethnic Cultural Differences: A Case Study of Increasing Tension Due to Social Media

Agus Masrukhin, Character Building Development Center, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia 11480.

Jamson Siallagan, Character Building Development Center, Informatic Engineering Department, School of Informatic Engineering, Bina Nusantara University, Jakarta, Indonesia 11480

ID 895 An Analysis of Cultural Differences in Raising Children in “The Joy Luck Club” Using the Asian-American Culture Theory

Patricia Amadea Hartono and Yani Susanti, English Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 981 Evaluating Factors Affecting Construction Safety Performance In Sharjah During Pandemic (COVID-19)

Maittha AISuwaidi and Mohammad Khadem, Department of IEEM, University of Sharjah, Sharjah, UAE

March 8, 2022 (Tuesday) - Session: 8:00 – 9:30 am

8:00 – 9:30 am, TUESDAY

Technical Presentations

Onsite Hilton Bomonti MR25A

Session Chair: Mesut Akdere, Professor of Human Resource Development, Polytechnic Institute, Purdue University, West Lafayette, IN 47907, USA

ID 616 A Preliminary Study: Exploring the Risk Factors for Rear-End Collisions on Indonesian Toll Roads

Fatin Saffanah Didin, Ari Widyanti, Hardianto Iridiastadi, Industrial Engineering and Management Department, Institut Teknologi Bandung, Indonesia

ID 113 Comparative Analysis of Wind Power Production Planning Based on Artificial Neural Network and Theoretical Approach

Aisha Sa'ad, Aime Nyoungue, Zied Hajej, Laboratoire de Genie Informatique, de Production et de Maintenance, Université de Lorraine, Metz, France

ID 400 Green Logistics Framework for Shippers

Nusrat Shaikh, Simon Peter Nadeem, Jose Arturo Garza-Reyes, Center for Supply Chain Improvement, University of Derby, U.K.

Piera Centobelli, Department of Industrial Engineering, University of Naples Federico II, Piazzale Tecchio 80, 80125, Naples, Italy

Luis Rocha-Lona ESCA Santo Tomás, Instituto Politécnico Nacional, Mexico City, Mexico

ID 414 Innovative Mixed-Reality Simulations to Enhance Collaborative Team Skills in Global Engineering Teams: A Research Proposal

Mesut Akdere, Professor of Human Resource Development, Polytechnic Institute, Purdue University, West Lafayette, IN 47907, USA

Yeling Jiang, Doctoral Candidate of Human Resource Development, Polytechnic Institute Purdue University, West Lafayette, IN 47907, USA

Minsoo Choi, Doctoral Student of Computer Graphics Technology, Polytechnic Institute, Purdue University, West Lafayette, IN 47907, USA

8:00 – 9:30 am, TUESDAY

Technical Presentations

Onsite Hilton Bomonti MR25B

Session Chair: Moses Jeremiah Barasa Kabeyi, Industrial Engineering Department, Durban University of Technology, Durban South Africa

ID 225 Utilising IoT to attain resilience across supply chains

Moayad Al-Talib, Anthony I. Anosike, Jose Arturo Garza-Reyes and Simon Peter Nadeem, Centre for Supply Chain Improvement, University of Derby, Derby, UK

Wasen Y. Melhem, Computer of Information Systems, Yarmouk University, Irbid, Jordan

ID 402 IT Service Level Optimization: A Case Study

Ayfer Başar, Industrial Engineering, Management Faculty, Istanbul Technical University, Istanbul, Turkey

ID 406 A Techno-economic Assessment of Diesel to Gas Powerplant Conversion

Moses Jeremiah Barasa Kabeyi, Industrial Engineering Department, Durban University of Technology, Durban South Africa

Oludolapo Akanni Olanrewaju, Industrial Engineering Department, Durban University of Technology, Durban South Africa

8:00 – 9:20 am, TUESDAY

Technology Management

Virtual Room 1

Session Chair: Dr. Masoud Rahiminezhad Galankashi, UTM, Malaysia

ID 366 Comparative Study of Manual Washing and Galangal Machine Washing: A Case Study of Uttaradit Province, Thailand.

Chatchaphon Ketviriyakit, Lakkana Ruekkasaem and Supalux Jaiyueng, Faculty of Industrial Technology, Phranakhon Rajabhat University, Bangkok, Thailand.

Phamorn Silapan, Department of Electrical Engineering,, Faculty of Engineering and Industrial Technology, Silpakorn University, Nakornpathom, Thailand

ID 364 Impact of Technology Adoption in Forward Logistics: A Quantitative Approach

Gourav Tiwari and Vijaya Dixit, Operation Management, Indian Institute of Management Ranchi, Jharkhand, India

ID 408 A Study of DevOps Challenges and the Creation of a Framework to Guide Organizations in Successfully Implementing DevOps

Kavishi Liyanagamage, Dilani Wickramarachchi, Department of Industrial Management, Faculty of Science, University of Kelaniya, Sri Lanka

ID 067 Agricultural Mechanization in Indonesia and Comparison to Southeast Asia Countries

Adhyka Wijaya, Rahmat Nurcahyo, Industrial Engineering Department, Faculty of Engineering, Universitas Indonesia, Depok, West Java, Indonesia

ID 200 Improvement of Automotive After-Sales Service Using Business Process Reengineering

Hanni Attarfi and M. Dachyar, Industrial Engineering Department, Universitas Indonesia, Depok, Indonesia

ID 328 Electric Vehicle Routing Problem with Flexible Deliveries

Mir Ehsan Hesam Sadatia,b, Vahid Akbaric, Bülent Çataya,b, a Faculty of Engineering and Natural Sciences, Sabanci University, Istanbul, Turkey, b Smart Mobility and

Logistics Lab, Sabanci University, Istanbul, Turkey, c Nottingham University Business School, University of Nottingham, Jubilee Campus, Nottingham NG8 1BB, United Kingdom

ID 456 Electrochemical and friction investigation of biomaterials alloys AISI 316L and Zn in simulated body fluids

Samira Tlili, Saida Bouyegh, Abdelkader Daoui, Mohamed Hassani, Hinda Gueroui, Research Center in Industrial Technologies CRTI

P.O. Box 64, Cheraga 16014 Algiers, Algeria

Assila Mohamed Fouad, Badji Mokhtar University, Annaba, Algeria

ID 292 Exploring Supply Chain Blockchain Potential in the Pharmaceutical Industry

Georgios Gogos, MBA Programme, School of Social Sciences, Hellenic Open University, Parodos Aristotelous 18, GR-26335, Patras, Greece

Ilias Vlachos, Professor in Supply Chain Management, Excelia Group, Excelia Business School, La Rochelle, France

Giannis T. Tsoulifas, Assistant Professor in Supply Chain Management – Logistics, Department of Agribusiness and Supply Chain Management

Agricultural University of Athens, Thiva, Greece

ID 454 Improvement of biodegradable magnesium-based alloys properties by Ca/P based bioceramics biomimetic deposition

Saida Bouyegh, Samira Tili, and Mohamed Hassani, Research Center in Industrial Technologies CRTI, P.O. Box 64, Cheraga 16014 Algiers, Algeria
 Mohamed Retima, and Imene Ghezaili, National School of Mines and Metallurgy L3M-Annaba, Algeria

8:00 – 9:30 am, TUESDAY**SCM****Virtual Room 2**

Session Chair: Prof.Dr. Cengiz Kahraman

ID 268 A Framework to Develop and Evaluate Circular Economy, Readiness within the Rail Sector

Carl Waring and Kapila Liyanage, College of Science and Engineering, University of Derby, Derby, DE22 3AW, UK

ID 217 A Proposed Methodology for Sustainability Index Generation in Sustainable Supply Chain Management

Bengü Güngör, Research Assistant in Industrial Engineering, Faculty of Engineering, İzmir Demokrasi University, İzmir, Turkey
 Ali Serdar Taşan, Associate Professor in Industrial Engineering, Faculty of Engineering Dokuz Eylül University, İzmir, Turkey

ID 049 Climate Smart Farming – Deployment of Digital Twin Concepts with Modelling and Simulation in Agricultural Value Chain

Sundar Raja Vadlamani, President – Supply Chian, SeedWorks International Pvt. Ltd, Hyderabad, India
 Chevala VVS Narayana, Data Scientist – Digital Transformation, SeedWorks International Pvt. Ltd, Hyderabad, India
 Pulkit Mittal, Digital Business Leader

ID 296 Exploring Non-Motorized Transport as A Transport System: Lessons from Thohoyandou CBD.

Joel Oseifuah and Trynos Gumbo, Faculty of Engineering and Built Environment, Department of Town and Regional Planning, University of Johannesburg, Johannesburg, South Africa
 James Chakwiziram, Faculty of Natural and Agricultural Sciences, Unit for Environmental Sciences and Management, Department of Urban and Regional Planning, North-West University, Potchefstroom, South Africa

ID 216 One Stop Vehicle Routing Approach for Waste Disposal Vessels in High Density Anchorage Areas

Emre Çakmak, Department of Industrial Engineering, Faculty of Engineering, Piri Reis University, Istanbul, Turkey
 Mesut Can Köseoğlu, Department of Marine Engineering, Maritime Faculty, Piri Reis University, Istanbul, Turkey
 Ece Ceylani, Department of Maritime Transportation and Management Engineering, Maritime Faculty, Piri Reis University, Istanbul, Turkey

ID 069 Policy, Market and Supporting Infrastructure of Electric Cars in Indonesia

Ajun Tri Setyoko, Rahmat Nurcahyo, Djoko Sihono Gabriel, Muhammad Habiburrahman, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok 16424, Indonesia

ID 831 The Economics of Energy Label in The Consumer Market in Malaysia

Mahirah Kamaludin and Muhd Azrin Shah, Faculty of Business, Economics and Social Development
 Universiti Malaysia Terengganu, 21030 Kuala Nerus, Terengganu, Malaysia

8:00 – 9:30 am, TUESDAY**SCM****Virtual Room 3**

Session Chair: Prof.Dr. Fatih Taşgetiren

ID 533 Determining Newspaper Distribution Routes using Cheapest Insertion Heuristic Algorithm with Sweep Clustering: A Case Study

Karel Gilang Nusantara, Nadia Alfi Nur Farikha, Tiffany Bella Nagari, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
 Nancy Oktyajati, Industrial Engineering Department, Faculty of Engineering, Universitas Islam Batik Surakarta, Jawa Tengah, Surakarta, Indonesia
 Wahyudi Sutopo3, Yuniaristanto4, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 528 Determining Newspaper Distribution Routes Using Sweep Algorithm and Local Search to Solve the Capacitated Vehicle Routing Problem and Minimizing Cost

Imam Bagus Wibisono, Lsa Aldira Hafidza, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas, Sebelas Maret Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
 Isna Nugraha, Industrial Engineering Department, Faculty of Engineering, Universitas Pembangunan Nasional Veteran Jawa Timur, Surabaya, Indonesia
 Wahyudi Sutopo3, Yuniaristanto4, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 532 Determining the Optimal Route for Newspaper Distribution by Using the Sweep Algorithm Method (Case Study: PT Aksara Solopos)

Arissa Dwi Pangestu, Azam Abdul Munib, Tiara Nur Fitri, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering
 Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
 Nancy Oktyajati, Industrial Engineering Department, Faculty of Engineering, Universitas Islam Batik, Jawa Tengah, Surakarta, Indonesia
 Wahyudi Sutopo3, Yuniaristanto4, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 524 Determining the Optimal Route for Newspaper Distribution to Reduce Environmental Emissions for Green Logistics Using the Saving Matrix and Nearest Neighbor Methods Case Study: XYZ Ltd. Surakarta

Annisa Syahliantina, Ainun Rahmansyah Gaffar, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering
 Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
 Isna Nugraha, Industrial Engineering Department, Faculty of Engineering, Universitas Pembangunan Nasional Veteran Jawa Timur, Surabaya, Indonesia
 Wahyudi Sutopo3, Yuniaristanto4, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 552 Supply Chain Network Model Development for Conversion Electric Motorcycle Distribution in Central Java using the Mixed Integer Linear Programming Method

Lsa Aldira Hafidza, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
 Silvi Istiqomah, Industrial Engineering Department, Faculty of Engineering, Universitas Mahakarya Asia, Yogyakarta, Indonesia
 Wahyudi Sutopo3, Yuniaristanto4, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 526 Supply Chain Risk Management During the Covid-19 Pandemic Using a Quantitative Approach (Case Study: PT Aksara Solopos Newspaper)

Aditya Mahendra, Anisa Nur Maya D.R.H.H, and Rizky Ananda P.N.R., Industrial Engineering, Universitas Sebelas Maret,
 Silvi Istiqomah, Industrial Engineering Department, Faculty of Engineering, Universitas Mahakarya Asia, DIY, Indonesia
 Wahyudi Sutopo3, Yuniaristanto4, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 553 Supply Chain Risk Management in Newspaper Printing Using FMEA and FTA Methods (Case Study: PT. XYZ)

Aqshal Raffa Sandito¹, Dina Nurfitri Rahma², Niken Utami Tyastuti³, 1,2,3) Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
 Arinda Soraya Putri⁴, 4) Industrial Engineering Department, Faculty of Engineering, Universitas Muhammadiyah Surakarta, Jawa Tengah, Surakarta, Indonesia
 Wahyudi Sutopo⁵, Yuniaristanto⁶, 5) University Centre of Excellence for Electrical Energy Storage Technology, 6) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

8:00 – 9:30 am, TUESDAY**Business Management****Virtual Room 4**

Session Chair: Dr. Esra Ağca, Kadir Has University, Turkey

ID 052 Certification of Tourism Business Standards and CHSE Standards in Indonesia

Ari Nugraheni, Rahmat Nurcahyo, and Djoko Sihono Gabriel, Industrial Engineering Department, Faculty of Engineering, Universitas Indonesia Kampus UI, Depok, 16424, Indonesia

ID 007 Chance-Constrained Selective Dynamic Line Rating Using Benders Decomposition

Masood Jabarnejad, Assistant Professor of Industrial Engineering, Faculty of Engineering, Dogus University, Istanbul, Turkey

ID 299 Comparative Analysis of Social Media Activities on Local Skincare Brands in Indonesia during the COVID-19 Pandemic

Amanda Dwi Lestari, Chairunnissa Nur Aulia Adiba, Puspita Shabira and Yohannes Kurniawan, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia

ID 221 Comparative Statistical Analysis of Supplier Performance for a Retailer

Esra Ağca Aktunc, Assistant Professor of Industrial Engineering, Faculty of Engineering and Natural Sciences, Kadir Has University, Istanbul, Turkey

ID 604 Comprehension-Based Ergonomic Redesign of Equipment Warning Signs in Philippines Manufacturing Industry

Pablo Mancia Jr. and Rex Aurelius C. Robielos, School of Graduate Studies, Mapua University, Intramuros, Manila, Philippines

ID 348 Cross Sectional Dependency and Panel Unit Root Tests: Foreign Direct Investment in Indonesia

Sidik Budiono and John Tampil Purba, Department of Management Faculty of Economics and Business, Universitas Pelita Harapan, Tangerang-15811, Indonesia

ID 711 Customer Satisfaction as a Mediator (Intervening Variable) On the Effect of Product Quality and Service Quality on Customer Loyalty Sidjicoffee

Dewi Sekar Arum, Anita Silvianita, Mahendra Fakhri, Mahir Pradana, School of Communication and Business Telkom University

8:00 – 9:30 am, TUESDAY**Case Studies****Virtual Room 5**

Session Chair:

ID 095 Survey of Maintenance Management Implementation: A Case Study of Office Buildings in Indonesia

Fajar Prana, Kartika Trisna Putri, Rizki Abdillah, Azam Ibrahim Gufran, Student of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 648 Saudia Dairy and Foodstuff Company (SADAFCO)'s Competitive Position

Esraa AlDabbagh and Lojien Jowharji, Master of Business Administration, Dar Al Hekma University, Jeddah, Saudi Arabia
 Mostafa Fawzy, Management and Marketing Department, Dar Al Hekma University, Jeddah, Saudi Arabia

ID 444 Simulating Employee Engagement Using Agent-based Simulation

Arief Rahman, Sageta May Ardinata, Sri Gunani Partwi, Naning Aranti Wessiani, Retno Widyaningrum, Departement of Industrial System and Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia

ID 430 Sizing of photovoltaic system (state of an industry unit)

Bouziane Khadidja and Chaouch Noura, Doctor in process Engineering, Faculty of applied Sciences, Kasdi Merbah University, Ouargla, Algeria
 Azoui Boubakeur, Full Professor of electrotechnical Engineering, Hadj Lakhdar University, Batna, Algeria

ID 431 Sizing of photovoltaic system (state of an industry unit)

Bouziane Khadidja and Chaouch Noura, Doctor in process Engineering, Faculty of applied Sciences, Kasdi Merbah University, Ouargla, Algeria
 Azoui Boubakeur, Full Professor of electrotechnical Engineering, Hadj Lakhdar University, Batna, Algeria

ID 334 Social Media Marketing Activities and Its Impact to The Sales Performance

Zelina Devia, Eriana Astuty, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Bandung Campus, Bandung, Indonesia

ID 588 Social Presence and Trusting Belief during Buyer-Seller Interaction in Electronic Marketplace

Evi Rinawati Simanjuntak, Faculty Member in Masters Management Program, Binus Business School, Bina Nusantara University, Jakarta, Indonesia
 Javin Vinod Shabri, Alumni of Business Management and Marketing Program, Binus Business School, Bina Nusantara University, Jakarta, Indonesia

ID 708 The Role of Emotional Exhaustion in Understanding the Relationship Between Hybrid Work Characteristics and Innovative Work Behavior in Hybrid Working Arrangement

Dony Saputra, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia
 Amanda Puteri Rozyanti, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

8:00 – 9:30 am, TUESDAY**Global Business Management Education****Virtual Room 6**

Session Chair: Dr. Durul Ulutan, Kadir Has University, Turkey

ID 780 Diagnosis of Teacher Assessment Literacy in National High School Equivalency Examination Nonformal Education

Daddy Darmawan¹, Adi Irvansyah², Pendidikan Masyarakat, Universitas Negeri Jakarta
 Rahmat Syah³, STABN Sriwijaya, Universitas Negeri Jakarta

ID 781 Manifesting the Tough Teachers on the Implementation of ABCD5E Model Learning During the Covid 19 Pandemic Through The Partnership Program

Sri Wiji Handayani, A Student of The Early Childhood Teacher Education Department Faculty Of Education, Pascasarjana Universitas Negeri Semarang
 Lita Latiana and Yuli Kurniawati Sugiyono Pranoto, Lecture at the early childhood Teacher Education Department Faculty of Education, Universitas Negeri Semarang

ID 782 Students' Perception of Online Discussion during the Covid-19 Pandemic

Ghina Aulia Abidin and Ali Mustadi, Faculty of Education, Yogyakarta State University, Yogyakarta, Indonesia

Heri Retnawati, Faculty of Mathematics and Natural Science, Yogyakarta State University Yogyakarta, Indonesia

ID 783 Acid-Base Indicator Paper Extracted from Rose (*Rosa damascena* Mill) and Asoka Flower (*Ixora occinea* Linn) Ethanol

Riyanti Riyanti, Senior High School 1 Bangsri, Jepara, Central Jawa, Indonesia

Putut Marwoto, Edy Cahyono, Retno Sri Iswari, Sri Haryani, Budi Naini Mindyarto, Postgraduate School of Science Doctorate Program, Universitas Negeri Semarang, Indonesia

ID 784 Development of Augmented Reality Assisted Textbooks to Develop Patriotism Character for Students of Grade 4th in Elementary School

Anggri Laisaroh, Graduate Program, Yogyakarta State University, Jl. Colombo Yogyakarta No.1, Karang Malang, Caturtunggal, Kec. Depok, Kabupaten Sleman, Daerah Istimewa Yogyakarta 55281

E. Kus Eddy Sartono, Graduate Program, Yogyakarta State University, Jl. Colombo Yogyakarta No.1, Karang Malang, Caturtunggal, Kec. Depok, Kabupaten Sleman, Daerah Istimewa Yogyakarta 55281

ID 785 The Model and Management of Surau Based Education Expected by People of Minangkabau in Facing the Globalization Era

Syafruddin Wahid, Solfema Solfema, Alim Harun Pamungkas, Wendi Ahmad Wahyudi, Nurul Hayati, Non-Formal Education Department Faculty of Education, Universitas Negeri Padang, Jl. Prof. Dr. Hamka, Air Tawar Barat, Padang Utara, Kota Padang, Sumatera Barat 25171, Indonesia

ID 786 Quality Assurance Management Model for Improving Online Learning in Accounting Major

Adelina Mariani Simatupang, Student of Faculty of Education, Universitas Negeri Semarang, Indonesia

Joko Widodo, Faculty of Economy, Universitas Negeri Semarang, Indonesia

Sri Sularti Dewanti Handayani, Tri Joko Raharjo, Faculty of Education, Universitas Negeri Semarang, Indonesia

Rodiyah Rodiyah, Faculty of Law, Universitas Negeri Semarang, Indonesia

ID 787 Link and Match Program between Course and Training Agency with Industry to Increase Working Opportunities for People with Disabilities

Alim Harun Pamungkas, Vevi Sunarti, Fitri Dwi Arini, Zahratul Azizah, Department of Non-Formal Education, Faculty of Education, Universitas Negeri Padang, Jalan Prof. Dr. Hamka, Air Tawar, Padang, West Sumatra, Indonesia

9:30 – 10:00 am Morning Networking Coffee Break – Foyer Area of Hilton Hotel MR25A-MR25B

March 8, 2022 (Tuesday) - Session: 10:00 am – 1:00 pm

Keynote Speakers

10:00 am – 10:20 am Welcome Address: -

10:20 am – 11:00 am Opening Keynote:

Prof. Dr. Şener Oktik

Board Member of Şişecam A.Ş.

Professor, Kadir Has University, Istanbul, Turkey

11:00 am – 11:40 am Keynote II:

Cevdet Alemdar

Industry SBU President

Sabancı Holding, İstanbul, Turkey

11:40 am – 12:20 pm Keynote III:

Prof. Dr. Ilker Birbil

Professor of AI

University of Amsterdam (UvA)

The Netherlands

12:20 pm – 01:00 pm Keynote IV:

Ahmet Gürsoy

Chief Supply Chain Officer

Modanisa, Istanbul, Turkey

1:00 – 2:00 Lunch Break

Lunch Provided at Hilton MR25A-MR25B

March 8, 2022 (Tuesday) - Session: 2:00 – 3:45 pm

2:00 – 3:45 pm, TUESDAY**Technical Presentations****Onsite Hilton Bomonti MR25A****ID 065 Improvement in Planning and Resource Management for an Automotive Company's Parts Feeding System**

Teresa Pereira, Institute of Mechanical Engineering, and Industrial Management (INEGI), Porto School of Engineering, Polytechnic of Porto Rua Dr. António Bernardino de Almeida, 431, 4200-072, Porto, Portugal

Mariana Xavier, Porto School of Engineering, ISEP/P.PORTO, Rua Dr. António Bernardino de Almeida, 431, 4200-072, Porto, Portugal

Fernanda A. Ferreira, School of Hospitality and Tourism of Polytechnic Institute of Porto, Applied Management Research Unit (UNIAG),

Rua D. Sancho I, 981 4480-876, Vila do Conde, Portugal

Marisa Oliveira, Porto School of Engineering, ISEP/P.PORTO, Rua Dr. António Bernardino de Almeida, 431, 4200-072, Porto, Portugal

ID 104 Production, Maintenance and Quality management for a two-product, Multi-warehouse Problem, with Multi-Level Statistical Process Chart of a Supply Chain under Service and Quality requirements.

Aminu Sahabi Abubakar, Hajej Zied, Aime C. Nyongue, University of Lorraine, LGIPM, F-57000 Metz, France

ID 009 Green Asphalt Pavement Mix Design for Kuwait

Sharaf AlKhedher, Professor in Civil Engineering, Faculty of Engineering and Petroleum, Kuwait University, P.O. Box-5969, 13060, Safat, Kuwait

2:00 – 3:45 pm, TUESDAY**Case Studies****Onsite Hilton Bomonti MR25A**

Session Chair:

ID 026 Tuned Mass Damper to Control Hand-Arm Vibrations of Hand-Held Tools

Ahmed Abu Hanieh, Full Professor of Mechanical Engineering, Faculty of Engineering and Technology, Birzeit University, Birzeit, Palestine

ID 032 An Airport Gate Reassignment Model with Gate Disruptions

Dursen Deniz Poyraz and Meral Azizoğlu, Department of Industrial Engineering, Middle East Technical University, Ankara, Turkey

ID 043 High performance DC-DC buck converter based on Sliding Mode Control

Hussain Attia, Department of Electrical and Electronic Engineering, School of Engineering, American University of Ras Al Khaimah, Ras Al Khaimah, UAE

2:00 – 4:00 pm, TUESDAY**Global Engineering Education I****Virtual Room 1**

Session Chair: Dr. Kandis Boyd Wyatt, American Public University, USA

2:00 – 2:20 (Tuesday)

Prof. Dr Aries Susanty ST MT.
Head of Optimization and Industrial Planning System Laboratory
Industrial Engineering Department
Diponegoro University
Central Java, Indonesia

2:20 – 2:40 (Tuesday)

Dr. Abdullah YILDIZBASI
Associate Professor of Green & Sustainable Supply Chain
Blockchain & Big Data Researcher
Ankara Yıldırım Beyazıt Üniversitesi
Ankara, Turkey

Postdoctoral Researcher
Worcester Polytechnic Institute
Worcester, Massachusetts, USA

2:40 – 3:00 (Tuesday)

Dr. Joe Coskun Dizmen
Assistant Professor
Toros University
Mersin, İçel, Turkey

3:00 – 3:20 (Tuesday)

Dr. İbrahim Çil
Professor
Department of Industrial Engineering
Sakarya University
Altındag, Ankara, Turkey

3:20 – 3:40 (Tuesday)

Dr. Abid Ali Khan
Ph.D. (Univ. of Limerick, Ireland)
Professor, Department of Mechanical Engineering
Aligarh Muslim University
Aligarh, India

Title of the talk: 'Peer Learning and Innovation in Engineering'

3:40 – 4:00 (Tuesday)

Dr. Kandis Boyd Wyatt
Faculty Member, Transportation and Logistics Management
Full-Time Professor in the School of Business
American Public University
Charles Town, West Virginia, USA

ID 266 The Shift from STEM to STEAM
Kandis Boyd Wyatt, American Public University, Charles Town, West Virginia, USA

2:00 – 3:45 pm, TUESDAY**Case Studies****Virtual Room 2**

Session Chair: Dr. Mahdi Bastan, University of Eyvanekey, Iran

ID 411 Preliminary Design of a Cogeneration Plant for a 120 MW Diesel engine Power Plant

Moses Jeremiah Barasa Kabeyi, Industrial Engineering Department, Durban University of Technology, Durban South Africa
Oludolapo Akanni Olanrewaju, Industrial Engineering Department, Durban University of Technology, Durban South Africa

ID 091 Preventive Maintenance Practices Survey In Hospital Laboratories In Jakarta Indonesia

Clara Puspita N, Gandhi Henra Laksana B, M. Fauzan, Lutfiani, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Kampus UI Depok, Indonesia

ID 215 Pricing Decisions in Revenue Management: An Experimental Investigation

Ümmühan Akbay, Department of Industrial Engineering, Özyeğin University, Istanbul 34974, Turkey
Department of Operations Management and Information Systems, Sabancı University, Istanbul 34956, Turkey.
Nur Ayvaz Çavdaroğlu, Business Administration Department, Kadir Has University, Istanbul 34083, Turkey.

ID 602 Push-Pull-Mooring, Perceived Risk and Consumer Mobility: Findings on Switching Behavior in Online Grocery Shopping during Large Scale Restriction in Covid-19 Pandemic Era

Evi Rinawati Simanjuntak, Faculty Member in master's Management Program, Binus Business School, Bina Nusantara University, Jakarta, Indonesia
Matthew Abyra, Alumni of Business Management and Marketing Program, Binus Business School, Bina Nusantara University, Jakarta, Indonesia

ID 623 Review of MIWA Auto Component Cluster for Benchmarking and Modelling the AHP Problem

Anoop Pandey, Research Scholar, Department of Mechanical Engineering, Rajasthan Technical University Kota, Rajasthan, India
Dr. Rohitashwa Shringi, Professor in Mechanical Engineering, Rajasthan Technical University Kota, Rajasthan, India

ID 243 Review of Parallel, Distributed and Federated Learning in Machine Learning: Case of PRIM

Rym Nassih, Phd Student in Machine Learning, Research team AMIPS, Ecole Mohammadia d'Ingénieurs, Mohamed V University in Rabat, Morocco
Abdelaziz Berrado, Professor of Industrial Engineering, Research team AMIPS, Ecole Mohammadia d'Ingénieurs, Mohamed V University in Rabat, Morocco

ID 751 The Impact Transfer Of Power In Afghanistan From President Ashraf Ghani To The Taliban In South Asia Regional Security 2021

Edo Afriandi and Hendra Maujana Saragih, International Relations Department, Faculty of Social and Political Science, Universitas Nasional, Jakarta, Indonesia

ID 061 Evaluation of Third-party Reverse Logistics Providers Using Fuzzy Axiomatic Design

Mehmet Ali Ilgin, Associate Professor of Industrial Engineering, Faculty of Engineering, Manisa Celal Bayar University, Manisa, Turkey

2:00 – 3:45 pm, TUESDAY**Business Management****Virtual Room 3**

Session Chair: Dr. Bülent Çatay, Sabancı University, Turkey

ID 356 Online Marketing Strategy using Instagram's Power

Stanley Tedjasukmana, Theodoros Tanusaputra, Eriana Astuty, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Bandung Campus, Bandung, Indonesia, 40181

ID 119 Optimization Proposal for Supply Management Implementing Supply Chain Management And Lean Warehousing In An Alcoholic Beverage Marketing Company Of The Retail Sector

Claudia-Alejandra Cavero-Quispe, Mayra-Elizabeth Flores-Luque and Manuel-Fernando Montoya-Ramírez, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú

ID 667 Perceived Ease of Use in Information Technology Acceptance Across Different Healthcare Systems – A Research Review

Tasfia Bari M.S., Doctoral Student, Eastern Michigan University, College of Technology, Ypsilanti, Michigan
Munther Abualkibash, Eastern Michigan University, College of Technology, School of Information Security and Applied Computing, Ypsilanti, Michigan

ID 673 Perceived Effect of Academic Stress to the Performance of Students during Online Class

Maria Angelica D. Bare, Francee Mae F. Castro, Jhon Lawrence G. Quimio, Ma. Janice J. Gumasing, School of Industrial Engineering and Engineering Management, Mapua University, Muralla St. Intramuros, Manila

ID 040 Performance Analysis of Solar PV System using Cascaded H-bridge Sub-multilevel Inverter

Mukhtiar Ahmed Mahar, Professor of Electrical Engineering, Faculty of Electrical, Electronics and Computer Engineering, Mehran University of Engineering and Technology, Jamshoro, Pakistan
Abdul Sattar Larik, Professor of Electrical Engineering, Faculty of Electrical, Electronics and Computer Engineering, Mehran University of Engineering and Technology, Jamshoro, Pakistan
Aneeqa Sattar, Student of Master's in Electrical Power, Faculty of Electrical, Electronics and Computer Engineering, Mehran University of Engineering and Technology, Jamshoro, Pakistan
Mahwish Memon, Student of Master's in Electrical Power, Faculty of Electrical, Electronics and Computer Engineering, Mehran University of Engineering and Technology, Jamshoro, Pakistan

ID 610 Petcare: A Smart Cage for Dogs

Ronald Christian A. Infante, Bryan P. Dela Cruz, Dave Aron T. Sicat and Reymond T. Baltazar, Student of College of Computer Science
Angles University Foundation
Pampanga, Philippines

ID 187 Prediction of Migration Paths with Agent-Based Simulation: The Case of Forced Migration in Syria

Ozlem Gungor, Graduate Student of Industrial Engineering, Graduate School of Sciences & Engineering, Koc University, Istanbul, Turkey
Dilek Gunec, Assistant Professor in Industrial Engineering, Faculty of Engineering, Ozyegin University, Istanbul, Turkey
Sibel Salman, Professor in Industrial Engineering, College of Engineering, Koc University, Istanbul, Turkey

Eda Yucel, Assistant Professor in Industrial Engineering, Faculty of Engineering, TOBB University of Economics and Technology, Ankara, Turkey

ID 057 Learning in Service Ecosystems: Conceptualizing Network Learning in Servitization

Khuram Shahzad, Assistant Professor of Digital Innovation Management, School of Technology and Innovations, Industrial Management, University of Vaasa, Vaasa, Finland

2:00 – 3:45 pm, TUESDAY

Business Management

Virtual Room 4

Session Chair: Dr. Adnan Hassan, University Teknologi Malaysia

ID 330 Cultivating Customer Purchase Intention through Meaningful Social Media Marketing Activities

William Julianto Muliadi and Eriana Astuty, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Bandung Campus, Bandung, Indonesia, 40181

ID 071 Customer Experience Review: Online Groceries Business in Indonesia

Indah Purnamaningtyas, Rahmat Nurcahyo, Department of Industrial Engineering, Universitas Indonesia, Kampus Baru UI Depok, Depok 16424, Indonesia

ID 195 Customer Loyalty Strategy Using Customer Lifetime Value (A Case Study of Jamu and Herbal Products SME)

Duhita Wahyu Maulida and M. Dachyar, Industrial Engineering Department, Universitas Indonesia, Depok, Indonesia

ID 415 Data Mining and Analysis of Scientific Research on ADHD in Saudi Arabia

Tayeb Brahimi, Associate Professor at the College of Engineering, Energy and Technology Research Centre, Natural Science, Natural Science, Mathematics and Technology Unit, Effat University, Jeddah, Saudi Arabia

Noor Sairafi, Student at the Computer Science Department, College of Engineering, Effat University, Jeddah, Saudi Arabia

Zain Balfagih, Assistant Professor at the Computer Science Department, College of Engineering, Effat University, Jeddah, Saudi Arabia

ID 750 Ceasefire Deal Between India And Pakistan Over Kashmir Dispute

Farah Diba Hallatua and Hendra Maujana Saragih, International Relation Department, Faculty of Social and Political Science, Universitas Nasional, Jakarta, Indonesia

ID 305 Design and Evaluate a Process for Teaching Engineering Students about Heuristic Decisions and Cognitive Biases

Narucha Tanaiutchawoot, Full Lecturer Professor of Industrial Engineering, Faculty of Engineering, Suranaree University of Technology, Nakornradchaisima, Thailand

ID 191 Design of Internet of Things Alternatives Selection for Pallet Management in a Cement Company

Eugenia Griseldis and M. Dachyar, Industrial Engineering Department, University of Indonesia, Depok, Indonesia

2:00 – 3:45 pm, TUESDAY

Operations Management

Virtual Room 5

Session Chair: Abhijeet Kumar, Automations & Robotics, Tata Metaliks Limited, Kharagpur, West Bengal, India

ID 413 Structural Damage Assessment Using Aerial Images

Kasim A. Korkmaz, School of Visual and Built Environments, Eastern Michigan University, Ypsilanti, MI, USA

Munther Abualkibash, School of Information Security and Applied Computing, Eastern Michigan University, Ypsilanti, MI, USA

ID 346 Survival Analysis on the Attrition of Engineering Undergraduates at Adamson University During the COVID-19 Pandemic

Atienza, Krista Angelica Z., Nolasco, Manefei P., Quevedo, Venusmar C., Lasian, Lourdes P., Industrial Engineering Department, College of Engineering, Adamson University, Manila, Philippines

ID 089 Survival Strategy of SMEs in Dealing with COVID-19 Pandemic: A Study from Indonesian SMEs

Tsany N. Hidayat and Rahmat Nurcahyo, Industrial Engineering Department, Universitas Indonesia Kampus UI Depok, Jakarta, Indonesia

ID 271 Sustainable Supply Chain in Agribusiness: A Case Study in a Citrus Business Company

Lila Margarita Bada-Carbajal, Senior Lecturer of Management, Instituto Tecnológico Superior de Álamo Temapache, Tecnológico Nacional de México, Veracruz, Mexico

Luis Rocha-Lona, Senior Lecturer of Operations Management, Escuela Superior de Comercio y Administración, Unidad Santo Tomás, Instituto Politécnico Nacional, Mexico City, Mexico

ID 496 Sustainable Village Economy, The Role of Thematic Village Community Service Programs by Implementing Solar Renewable Energy in Implementation of MBKM Programs

Agus Sukoco, I Nyoman Sudapet, Elok Damayanti, Tubagus Purworusmiardi, Arasy Alimudin, Amrun Rosyid, I Putu Artaya and Ani Wulandari Department of Management, Narotama University, Surabaya, Indonesia

Muhammad Ikhsan Setiawan and Sri Wiwoho Mudjanarko, Department of Civil Engineering, Narotama University, Surabaya, Indonesia

Achmad Muchayan, Department of System Information, Narotama University, Surabaya, Indonesia

Cholil Hasyim and Kuswanto, Darul 'Ulum University, Jombang, Indonesia

ID 211 Systematic Review of Smart Metering Concept for Utility Companies

Huseyin Biyikci, Industrial Engineering PhD Programme, Institute of Pure and Applied Sciences, Marmara University, Istanbul, Turkey

Hulya Vural, Department of Computer Engineering, Antalya Bilim University, Antalya, Turkey

Sonay Davutoglu, Fatma Nur Meltem Masmaz, Berkay Coç, R&D Department, IGDAS, Istanbul, Turkey

2:00 – 3:45 pm, TUESDAY

Virtual Room 6

Global Engineering Education Panel

Panel Chair

Dr. Ali Rıza Kaylan
Emeritus Professor of Industrial Engineering
Boğaziçi University
Istanbul, Turkey

Panel Speaker I

Necati Aras, Ph.D.

Professor
Boğaziçi University
Department of Industrial Engineering
İstanbul, Turkey

Panel Speaker II

Prof. Şirin Tekinay
Chair, Global Engineering Deans Council

Panel Speaker III

Prof. Dr. Erhan Erkut
Vice Rector
MEF University
İstanbul, Turkey

Panel Speaker IV

Prof. Berna Dengiz
Dean of Engineering Faculty
Başkent University
Ankara, Turkey

Panel Speaker V

Halil Kulluk
Founder and Chairman
Intekno Group of Companies
İstanbul, Turkey

3:45 pm Afternoon Networking Coffee Break – Foyer Area of Hilton Hotel MR25A-MR25B

March 8, 2022 (Tuesday) - Session: 4:00 – 5:45 pm

4:00 – 5:45 pm, TUESDAY

Keynotes

Virtual Room 1

4:00 – 4:40 pm, Tuesday, March 8, 2022 - Keynote V:

Dr. Lewis Ntaimo

Professor and Sugar and Mike Barnes Department Head Chair
Wm Michael Barnes '64 Department of Industrial and Systems Engineering
Texas A&M University, College Station, Texas, USA

4:40 – 5:20 pm, Tuesday, March 8, 2022 - Keynote VI:

Paul Perkins

President, Amatrol, Inc.
Jeffersonville, Indiana, USA

5:20 – 6:00 pm, Tuesday, March 8, 2022 - Keynote VII:

Dr. Rosemary R. Seva

Professor of Industrial Engineering and Assistant Dean for Quality Assurance
Gokongwei College of Engineering
De La Salle University, Manila, Philippines

4:00 – 5:45 pm, TUESDAY

Optimization

Onsite Hilton Bomonti MR25A

Session Chair: Kazım Erdoğan, Department of Software Engineering, Faculty of Engineering, Yaşar University, İzmir, Turkey

ID 123 Development of a Maintenance Management Framework for a LPG Manufacturing Industry Considering Technological, Economic and Environmental Circumstances

Md Shamsuzzoha Sarker and A.R.M. Harunur Rashid, Department of Mechanical and Production Engineering, Islamic University of Technology (IUT), Board Bazar, Gazipur 1704, Dhaka, Bangladesh

ID 150 Entrepreneurship and Social Contribution Through Fountain Pens and the Act of "Writing" by Montblanc

Shin'ya NAGASAWA, Professor, Graduate School of Business and Finance, Waseda University, Tokyo, Japan

ID 269 Comparing ALNS and NSGA-II on Bi-Objective Travelling Thief Problem

Kazım Erdoğan, Department of Software Engineering, Faculty of Engineering, Yaşar University, İzmir, Turkey

4:00 – 5:45 pm, TUESDAY

Manufacturing

Onsite Hilton Bomonti MR25B

Session Chair: Ceyhun Eksin, Industrial and Systems Engineering, Texas A&M University, College Station, TX 77843, USA

ID 214 A Classification of Mathematical Models for the Charging Station Location Problems

Hilal Yilmaz and Betul Yagmahan, Department of Industrial Engineering, Faculty of Engineering, Bursa Uludag University, Bursa, Turkey

ID 228 A Best-Response Algorithm with Voluntary Communication and Mobility Protocols for Mobile Autonomous Teams Solving the Target Assignment Problem

Sarper Aydin and Ceyhun Eksin, Industrial and Systems Engineering, Texas A&M University, College Station, TX 77843, USA

ID 230 Remanufacturing: Case study in Mercedes-Benz Bus Factory

Adnan Corum, Department of Industrial Engineering, Bahcesehir University, Istanbul, Turkey

4:00 – 5:45 pm, TUESDAY

Global Engineering Education II

Virtual Room 1

Session Chair: Prof. Don Reimer, IEOM

Keynote V: 4:00 pm, Tuesday, March 8

Dr. Lewis Ntamo

Professor and Sugar and Mike Barnes Department Head Chair
Wm Michael Barnes '64 Department of Industrial and Systems Engineering
Texas A&M University
College Station, Texas, USA

Keynote VI: 4:40 pm, Tuesday, March 8

Paul Perkins

President, Amatrol, Inc.
Jeffersonville, Indiana, USA

Keynote VII: 5:20 pm, Tuesday, March 8

Rosemary R. Seva, PhD
Professor of Industrial Engineering
Assistant Dean for Quality Assurance
Gokongwei College of Engineering
De La Salle University
Manila, Philippines

4:00 – 5:45 pm, TUESDAY

Quality

Virtual Room 2

Session Chair: Dr. Cengiz Kahraman, Istanbul Technical University, Turkey

ID 618 Transportation Performance Measurement for Coal Mining: a Review and Framework

Selamat Walmanto Hia, Department of Management and Technology, Interdisciplinary School of Management and Technology, Institut Teknologi Sepuluh Nopember (ITS), Surabaya, Indonesia
Moses Laksono Singgih, Professor Department of Management and Technology, Interdisciplinary School of Management and Technology, Institut Teknologi Sepuluh Nopember (ITS), Surabaya, Indonesia
Raja Oloan Saut Gurning, Associate Professor Department of Management and Technology, Interdisciplinary School of Management and Technology, Institut Teknologi Sepuluh Nopember (ITS), Surabaya, Indonesia

ID 351 Combining Customer and Sustainability Requirements in Quality Function Deployment for a Composite Aircraft Structure

Sezen Ayber, Ph.D. Candidate in Industrial Engineering, Institute of Graduate Programs, Eskisehir Technical University, Eskisehir, Turkey
Nihal Erginel, Professor in Industrial Engineering, Faculty of Engineering, Eskisehir Technical University, Eskisehir, Turkey

ID 008 Weaponizing Cost of Quality of Food Manufacturers: Implications for Organizational Performance

Ayham A.M. Jaaron, Senior Lecturer in Business and Management, Department of Management and Entrepreneurship, The Centre for Enterprise and Innovation, Leicester Castle Business School, De Montfort University, Leicester, LE2 7BY, United Kingdom
Niveen Mohammed Ghunaim, Quality Management Program, Faculty of Graduate Studies, Arab American University, West Bank, Palestine

ID 126 Air Quality in Office Buildings

Salma Dwidar, Donia AbdelGawad, Hala Sirror, Amani Derbali and Amal Abdelsattar, Associate Professor of Architecture Department
Faculty of Architecture and Design, Riyadh, KSA
Alaa Aldin AlAlfy, Professor, Architecture Department, Faculty of Fine Art, Alexandria University

ID 695 Agent Based Modeling for Sustainable Urban Farming Incorporating Renewable Solar Energy and Impact on Food Security

Marwen Elkamel and Luis C. Rabelo, Industrial Engineering & Management Systems Department, University of Central Florida, Orlando, FL, USA

ID 773 Exploring and Evaluating the Impact of COVID-19 on Mobility Changes in Singapore

Aldy Gunawan, Tran Linh Chi, Kar Way Tan, School of Computing and Information Systems, Singapore Management University, Singapore
Wang I-Lin, Department of Industrial and Information Management, National Cheng Kung University, Tainan, Taiwan

ID 746 Challenges of Democracy in Southeast Asia Study Case: ASEAN Non-intervention Principles in Myanmar Conflict

Nabila Chaira and Reuspatyono, Department of International Relations, Faculty of Social and Political Sciences Universitas Nasional, Jakarta, Indonesia

ID 777 A Method for Requirements Analysis

Anjali Awasthi, CIISE- EV 7.636, Concordia University, Montreal, Canada
Seyed Ali Gamarooni Pour, CIISE- EV 10.154, Concordia University, Montreal, Canada

4:00 – 5:45pm, TUESDAY

SCM

Virtual Room 3

Session Chair: Dr. Simon Peter Nadeem, Center for Supply Chain Improvement, Supply Chain Management, University of Derby, UK

ID 535 Selection of the Best Forecasting Method for Newspaper Demand Based on Special Event (Case Study: PT. XYZ)

Eka Anasrul Hakim, Kyrie Anggito Munthe, Shafa Keysa Rinjani Hananta, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
Nida An Khofiyah, Industrial Engineering Department, Faculty of Engineering, Universitas Pelita Bangsa, Cikarang, Indonesia

Wahyudi Sutopo³, Yuniaristanto⁴, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 525 Selection of the Best Newspaper Forecasting Method Using Holt-Winters and Long Short-Term Memory Method

Amanda Syifa Ariqoh¹, Josyika Nisfullaili¹, Nawang Putri Salsabila¹, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

Dana Prijanjani², Industrial Engineering Department, Faculty of Industrial Technology, Universitas Islam Sultan Agung, Semarang, Indonesia

Wahyudi Sutopo³, Yuniaristanto⁴, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 360 Supply Chain Agility, Complexity and Resilience: An Empirical Study of Blockchain-Technology Application in Indonesia Logistics Service Providers

Darjat Sudrajat, Hardijanto Saroso, Hendry Hartono, Dicky Hida Syahchari, Associate Professor, BINUS Business School Undergraduate Program, BINUS University, Jakarta, Indonesia

Andre Kreie Director Logistics Education – LEED, Kuehne Foundation, Switzerland

ID 295 Supply Chain Control Towers: Integrative Human, Operational, and Technological Capabilities

Ilias Vlachos, Full Professor in Supply Chain Management, Excelia Business School, Excelia Group, La Rochelle, France

ID 144 Supply Chain Improvement Strategy with Extended Warranty on Retailers

Debrina Puspita Andriani, Graduate Student of Industrial Management, School of Management, National Central University, Taoyuan, Taiwan

Fu-Shiang Tseng, Assistant Professor in Industrial Management, School of Management, National Central University, Taoyuan, Taiwan

ID 574 Supply Chain Network Design in Determining Location of Solar Powered Pest Control to Increase Harvesting Effectiveness of Rojolele Rice in Delanggu

Gilang Titah Ramadhan, Master Program of Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

Wahyudi Sutopo^{1,2}, 1) University Centre of Excellence for Electrical Energy Storage Technology, 2) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

Muhammad Hisjam, Laboratory of Logistics System and Business, Department of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

Bobby Kurniawan^{3,4}, 3) Laboratory of Mechatronics and System Modeling, 4) Department of Industrial Engineering, University of Sultan Ageng Tirtayasa

ID 575 Supply Chain Network Design Integration Model for Opening-Closing Decision Allocation Terminal Salt Warehouse Facility

Hanif Sefa Al-Kautsar, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

Silvi Istiqomah, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

Wahyudi Sutopo³, Yuniaristanto⁴, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 571 Supply Chain Network Design Optimization Model For Determining The Location Of The Facilitation Allocation For The Procurement Of Machinery For Commodity Auctions In Magetan Regency

Maya Revanola Zainida, Department of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia

Wahyudi Sutopo^{1,2}, 1) University Centre of Excellence for Electrical Energy Storage Technology, 2) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

Muhammad Hisjam, Laboratory of Logistics System and Business, Department of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

Bobby Kurniawan, Departemen of Industrial Engineering, Univesitas Sultan Ageng Tirtayasa

4:00 – 5:45pm, TUESDAY

Business Management

Virtual Room 4

Session Chair: Dr. Zied Hajej, University of Lorraine, Metz, France

ID 118 Design of Organization Strategy and Business Process Improvement using Business Model Canvas for Non-Profit Organization in Indonesia

Mutiara, M. Dachyar, Rahmat Nurcahyo, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 585 Designing E-commerce Marketing Strategies for the Online Retail Industry: The Influence of Filipino Consumer Preference Towards Online Shopping

Martina L. Abgelina, Dann Johnzen B. Galang, Esteban Jose B. Pacada, Justin L. Seña, Joehanna K. Ngo, Ardivin Kester S. Ong, Department of Industrial Engineering, Faculty of Engineering, University of Santo Tomas, España Blvd., Metro Manila, Philippines

ID 147 Determination of the Best Communication Technology for Smart Grids with Fuzzy Logic Approach

Huseyin Biyikci, Industrial Engineering PhD Programme, Institute of Pure and Applied Sciences, Marmara University, Istanbul, Turkey

ID 640 Determining the Factors Affecting the Acceptance of Systems Providing the Integration of Big Data Analysis and Mobil Applications: Enhanced Technology Acceptance Model

Öznur Dal, Istanbul, Turkey

Yıldız Yılmaz Güzey, Professor of Business Administration (EN), Faculty of Economics and Administrative Sciences, Beykent University, Istanbul, Turkey

ID 110 Determining The Type of Maintenance by Using Multi-Attribute Utility Theory Case Study : Small and Medium Enterprises Printing in Jabodetabek

Yoga Fajar, Latief Anggar Kurniawan, Sita Nurlailly, Taufik Rizkiandi, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Jakarta, Indonesia

ID 566 Developing a Business Strategy for the Recovery of Micro, Small, and Medium-sized Food Service Enterprises Affected by the COVID-19 Pandemic Using Structural Equation Modelling

Pauline Faye B. Peralta, Ma. Hannah Janelle E. Bernal, Ranna Jessica C. Diche, Angelie Anne R. La O, Carlos Ignacio Jr. P. Lugay, Joehanna K. Ngo, Department of Industrial Engineering, Faculty of Engineering, University of Santo Tomas, España Blvd., Metro Manila, Philippines

ID 666 Development of Artificial Neural Network (ANN) Models for Prediction of Occupational Injuries in Construction Industries

Rabia Almamlook, Dept. of Industrial and Entrepreneurial Engineering and Engineering Management, Western Michigan University, USA, Assistant Professor of Aviation Engineering, Al Zawiya University, Zawiya, Libya

Tgarid Alic, Department of Civil Engineering, University of Detroit Mercy, Detroit, USA,

Hatem Mostafa Elwalwal³, Department of Mechanical Engineering, College of Engineering Technology, Janzour

ID 205 Holistic Hospital Operations Management with Industry 4.0 Technologies

Darshan Pandya, Research Scholar, Operations Management, Indian Institute of Management Raipur, Raipur, India

Gopal Kumar, Asst. Professor, Operations Management, Indian Institute of Management Raipur, Raipur, India

4:00 – 5:45 pm, TUESDAY**Operations Management****Virtual Room 5**

Session Chair: Dr. Coşkun Özkan, Yıldız Technical University, Turkey

ID 353 The Affect of Digital Transformation on Leadership in Shariah Bank: A Literature Review

Nila Astiti, Department of Management, Faculty of Economics and Business, Padjajaran University, Bandung, Indonesia
Yudi Ahmad Faisal, Department of Management, Faculty of Economics and Business, Padjajaran University, Bandung, Indonesia

ID 655 The antecedents and outcomes of social media word of mouth towards luxury fashion brands purchase intention

Dahlia Darmayanti, Lecturer of Marketing and International Business, Faculty of Business – International Business Program, BINUS Business School – BINUS University, Jakarta, Indonesia
Raina Purnama, Faculty of Business - Business Management and Marketing Program, BINUS Business School- BINUS University, Jakarta, Indonesia

ID 398 The Antecedents of Employee Performance in Consumer Goods Companies during Covid-19 Pandemic

Egga Surya Aditya, Riko Vani Umayah, Vega Fitra Agnefo, Abdul Rohman, Binus Business School-Master Program, Bina Nusantara University Bekasi, Indonesia

ID 326 The Challenges of Effectively Managing Multi-Disciplined Engineering Teams

Sehlabane Nape Mphahlele and Hannelie Nel, Post Graduate School of Engineering and Management, Faculty of Engineering and the Built Environment, University of Johannesburg, Johannesburg, Gauteng 0001, South Africa

ID 435 The Concept of Community Policy and Community Happiness Initiative in the UAE

Abd Rahman Ahmad and Tareq Jumuaa Al Junaibi Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia
Hairul Rizad Md Sapry, Industrial Logistic, Universiti Kuala Lumpur - Malaysian Institute of Industrial Technology (UniKL MITEC)

ID 462 The Determinant Factors of Student Learning Satisfaction Using E-Learning During Covid-19 Pandemic at a Private University in Indonesia

Arta Moro Sundjaja, Dila Novitasari, Indah Ratana Putri, Intan Nirmala Nabila, Information System Department, School of Information System, Bina Nusantara University, Jakarta, Indonesia

ID 587 The Determinant Factors on Satisfaction, Loyalty, and Intention while Using Mobile Banking: A Systematic Literature Review

Aisah Wulandari, Binus University, Indonesia

ID 652 The Effect of Job Stress, Workload, Leadership Style, and the Organizational Environment on the Intention to Quit Working.

Aulya Junanda Dahlan and Prama Hayuletra, Postgraduate Student of Business Management Program, Management Department, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia
Rini Setiowati, Dean of Master Program, Management Department, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia

4:00 – 5:45 pm, TUESDAY**Virtual Room 6****Women in Industry and Academia (WIIA) Panel**

Chair

Prof.Dr. Funda Sivrikaya Serifoglu
Advisor to the President of Istanbul Aydin University
and
Founding President of TULIP

Panel Speaker I

Prof. Dr. Aytül Erçil
Professor of Computer Vision
Sabancı University
Istanbul, Turkey

Panel Speaker II

Dr. Melsa Ararat
Founding Director of Corporate Governance Forum of Turkey (CGFT)
Professor, School of Management
Sabancı University
Istanbul, Turkey

Panel Speaker III

Dr. Paula Carroll
Associate Professor
School of Business
University College Dublin
Belfield, Dublin, Ireland

Panel Speaker IV

Prof. Dr. Rana Sanyal
Department of Chemistry Professor
Center for Life Sciences & Technologies Manager
Boğaziçi University
Co-Founder & CSO, RS Research
Istanbul, Turkey

Panel Speaker V

Dr. Zümbül Atan
Associate Professor of Supply Chain Management
OPAC Group (Operations, Planning, Accounting and Control)

Department of Industrial Engineering and Innovation Sciences
Eindhoven University of Technology (TU/e), Netherlands
Research Director of the European Supply Chain Forum's FMCG Community

March 8, 2022 (Tuesday) - Session: 6:00 – 7:45 pm

6:00 – 7:45, TUESDAY

Global Engineering Education III

Virtual Room 1

IEOM Presidential Panel on “The role of professional societies in serving the professions and providing opportunities for re-training and continuing education“

Panel Chair

Hamid R. Parsaei, Ph.D., P.E. Fellow, IISE, ASEE, SME, IEOM
Professor, Department of Industrial and Systems Engineering
Interim Director, College of Engineering Accreditation and Assessment
Texas A&M University
College Station, Texas, USA
President, IEOM Society International, 2021-2023

Panel Speaker I

Adedeji B. Badiru, Ph.D., PE, PMP, FIIE
Dean, Graduate School of Engineering and Management
Professor of Systems Engineering
AFIT/EN, Air Force Institute of Technology
Wright-Patterson Air Force Base
Dayton, Ohio, USA

Panel Speaker II

Waldemar Karwowski, Ph.D., D.Sc., P.E.
Pegasus Professor and Chairman
Department of Industrial Engineering and Management Systems
University of Central Florida
Oviedo, Florida

Panel Speaker III

Dr. Abu Masud, P.E..
Emeritus Professor
Department of Industrial and Manufacturing Engineering
Wichita State University
Kansas, USA

Panel Speaker VI

Dr. Gündüz Ulusoy
Professor Emeritus of Industrial Engineering
Sabanci University
Turkey

6:00 – 7:45 pm, TUESDAY

Supply Chain

Virtual Virtual Room 2

Session Chair: HADDACH Abdelhay, Abdelmalek Essaadi University, Tangier, Morocco

ID 702 A Fuzzy Multicriteria Decision Making Approach for Lean Supplier Selection

Yıldız Şahin, Dr. of Industrial Engineering, Kocaeli University, Kocaeli, Turkey
Atik Kulaklı, Associate Professor of Management Information System, American University of the Middle East (AUM), Egaila, Kuwait
Semra Birgün, Full Professor of Industrial Engineering, Dogus University, Istanbul, Turkey

ID 554 A Manufacturer Opening Decision of Electric Motorcycle Conversion Kit Using The Mixed Integer Linear Programming Method

Tasya Santi Rahmawati, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
Silvi Istiqomah, Industrial Engineering Department, Faculty of Engineering, Universitas Mahakarya Asia, Yogyakarta, Indonesia
Wahyudi Sutopo³, Yuniaristanto⁴, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial, Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 361 A Simulation Study of Improving Loading Performance of Liquid Ammonia in A Fertilizer Company in Indonesia

Niniet Indah Arvitrida, Department of Industrial and Systems Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia
Dhyda Ardi Setyawan, Department of Technology Management, Institute Teknologi Sepuluh Nopember, Surabaya, 60111, Indonesia

ID 291 Achieving Supply chain Resilience through risk management and mitigation discipline

Harssh Keswani, MSc, Logistics and Supply Chain Management, Cranfield School of Management, UK
Ilias Vlachos, Professor in Supply Chain Management, Excelia Group, Excelia Business School, La Rochelle, France

ID 046 An Investigation of Digital Twin adoption for enhancing Supply Chain Resilience

Senthilkumar Thiyagarajan, PhD Candidate, Department of Technology Leadership and Innovation, Purdue University, West Lafayette, Indiana, USA
Chad Laux, Associate Professor, Department of Computer and Information Technology, Purdue University, West Lafayette, Indiana, USA
Nathan Hartman, Dauch Family Professor of Advanced Manufacturing and Head, Department of Computer Graphics Technology, Purdue University, West Lafayette, Indiana, USA

ID 097 Artificial Intelligence Demand Forecasting Techniques in Supply Chain Management: A Systematic Literature Review
Saad El Marjani, Safae Er-rbib and Loubna Benabbou, Department of management sciences, Université du Québec à Rimouski, Lévis, QC, Canada

ID 039 Bibliometric analysis of publications related to pharmaceutical supply chain before and after the Covid-19 pandemic in the period 2010-2021
Sovero Castro Lucia Isabel, Risco Guevara Fabiola Milagos and Garcia-Lopez Yvan Jesus, Facultad de Ingeniería y Arquitectura, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Peru

ID 293 Coffee Supply Chain Performance Improvement: A case study of digital transformation
Apostolos Zisimopoulos, MBA Programme, School of Social Sciences, Hellenic Open University, Parodos Aristotelous 18, GR-26335, Patras, Greece
Ilias Vlachos, Professor in Supply Chain Management, Excelia Group, Excelia Business School, La Rochelle, France
Giannis T. Tsoulfas, Assistant Professor in Supply Chain Management – Logistics, Department of Agribusiness and Supply Chain Management
Agricultural University of Athens, Thiva, Greece

6:00 – 7:45 pm, TUESDAY

Industry 4.0

Virtual Room 3

Session Chair: Dr. Burak Çavdaroğlu, Kadir Has University, Turkey

ID 219 Acceptance Expectancy for Cognitive Assistance Systems Variants in Smart Factories
Bastian Pokorni and Christian Saba, Department of Connected Manufacturing Systems, Fraunhofer Institute for Industrial Engineering IAO, University of Stuttgart, Institute of Human Factors and Technology Management (IAT), Stuttgart, Germany

ID 368 Adapting to the challenges of the transition to the industry 4.0 age by methodically adopting technology based on supply chain performance needs, using an ISM-based approach.
Bhavesh Bhatnagar and Vijaya Dixit, Operations Management Area, Indian Institute of Management Ranchi, Jharkhand, India

ID 417 AI-Based Analysis for Industry 4.0 Maturity Models – A Systematic Review and Bibliometric Analysis
Sadeem Almarri and Abdelghani Bouras, Department of Industrial Engineering, Alfaisal University, Riyadh12714, Saudi Arabia

ID 038 Digital twins application in the post-harvest supply chain of fruits and vegetables: A systematic review of the literature
Barrientos Barraza Rodolfo, Odar Chang Pedro Rodrigo and Garcia-Lopez Yvan Jesus, Faculty of Architecture and Industrial Engineering, University of Lima, Lima, Peru

ID 664 Fourth Industrial Revolution (4IR) Technologies for Sustainable Development in Manufacturing Sector
Rabia Almamlook, Dept. of Industrial and Entrepreneurial Engineering and Engineering Management, Western Michigan University, USA, Assistant Professor of Aviation Engineering, Al Zawiya University, Zawiya, Libya
Omar Albalawi, Assistant Professor of Industrial Engineering, University of Tabuk, Tabuk, Saudi Arabia
Nahar Alshammara, Dept. of Electrical Engineering Faculty of Engineering, Jouf University, Al-Jawf, Saudi Arabia

ID 029 Implementation of Industry 4.0 in Sri Lankan Manufacturing Firms: A Lean Perspective
Lahiru Vimukthi, Dr. Amila Withanarachchi and Dr. Suren Peter, Department of Industrial Management, University of Kelaniya, Dalugama, Kelaniya, Sri Lanka

ID 747 Making Global Maritime Fulcrum Relevant: Efforts to Increase Indonesian Tuna Export To Japan
Tofan Dwi Kartiko and Tirta Nugraha Mursitama, Department of International Relations, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

6:00 – 7:45 pm, TUESDAY

Business Management

Virtual Room 4

Session Chair: Dr. Ayham Jaaron. Senior Lecturer, Leicester Castle Business School, De Montfort University, UK

ID 114 Development of Urban Travel Time Prediction Model Using Google Map and LSTM Deep Learning
Md.Saiful Islam, BUET, Bangladesh

ID 287 Dexterpreneurship: A Study of Ambidexterity Entrepreneurship, Conceptualization and Research Agenda
Hendry Hartono, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia 11480
Sasmoko, Primary Teacher Education Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia 11480
Yasinta Indriati, Entrepreneurship Department, Universitas Agung Podomoro, Jakarta, Indonesia 11470

ID 591 Digital Construction: Implementation & Impact of MBKM Internship Civil Engineering Study Program In the Construction & Infrastructure Industry
Julistyana Tistogondo, Muhammad Ikhsan Setiawan, Sri Wiwoho Mudjanarko, Hendro Sutowijoyo and Farida Hardaningrum, Department of Civil Engineering, Narotama University, Surabaya, Indonesia
Achmad Muchayan, Department of System Information, Narotama University, Surabaya, Indonesia
Tubagus Purworusmiardi, Department of Management, Narotama University, Surabaya, Indonesia
Haziman Wan Ibrahim, Department Civil Engineering UTHM, Malaysia

ID 513 Digital Entrepreneurship: Implementation & Impact of MBKM Digital Entrepreneurs Narotama University
I Nyoman Sudapet, Agus Sukoco, I Putu Artaya, Elok Damayanti, Ani Wulandari, Tubagus Purworusmiardi, Department of Management Narotama University, Surabaya, Indonesia
Sri Wiwoho Mudjanarko, Muhammad Ikhsan Setiawan, Department, Civil Engineering, Narotama University, Surabaya, Indonesia
Achmad Muchayan, Information System Program Study, Narotama University, Surabaya, Indonesia

ID 599 MBKM - Digital Entrepreneurship: The Effect of Knowledge on Students' Perceptions of the Benefits of MBKM
I Nyoman Sudapet, Agus Sukoco, I Putu Artaya, Elok Damayanti, Ani Wulandari, Tubagus Purworusmiardi, Amrun Rosyid, Department of Management, Narotama University, Surabaya, Indonesia
Sri Wiwoho Mudjanarko, Muhammad Ikhsan Setiawan, Department of Civil Engineering, Narotama University, Surabaya, Indonesia
Achmad Muchayan, Department of Information System, Narotama University, Surabaya, Indonesia

ID 117 Digital Transformation And Accountability for Operational Costs Using the Business Process Reengineering (BPR) At Oil & Gas Company
Rizki Abdillah, M. Dachyar, Novandra Rhezza Pratama, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 240 Duck Egg Quality Classification Based on its Shell Visual Property Through Transfer Learning Using ResNet-50
JV Bryan DP. Caguioa, Rhyhle Nodnylson E. Guinto, Lee Reuben T. Mesias and Joel C. De Goma, School of Information Technology, Mapua University, Makati, Metro Manila

ID 745 Political Competition Conflict between The United States, Saudi and Iran in The Middle East Region In 2018
Aos Yuli Firdaus and Numora M. Mughtar, International Relations Department, Faculty of Social and Political Science, Universitas Nasional, Jakarta

6:00 – 7:45 pm, TUESDAY**Business Management****Virtual Room 5**

Session Chair: Dr. Fulya Altıparmak, Gazi University, Turkey

ID 579 The Effect of MBKM Policy on student activities outside the Campuss at Universitas Narotama

Eman Setiawan, Achmad Muchayan, Department of Information System, Faculty of Engineering and Computer Science, Universitas Narotama Surabaya, Indonesia

Natalia Damastuti, Slamet Winardi, Cahyo Darujati, Computer System Department, Faculty of Engineering and Computer Science, Universitas Narotama, Surabaya, Indonesia

Latipah, Made Kamisutara, Informatic Engineering Department, Faculty of Engineering and Computer Science, Universitas Narotama, Surabaya, Indonesia

ID 028 The Effect of Overburden Pressure on Absolute and Relative Permeability for Libyan Sandstone Reservoir Rocks

Hassan Sbiga, Associated Researcher and Specialist Core Analysis, Libyan Petroleum Institute, Petroleum Engineering Department, Tripoli-Libya

Noreddin Mousa, Consultant researcher in reservoir studies, Libyan Petroleum Institute, Tripoli-Libya

ID 124 The Effects of Autocratic, Democratic, and Laissez-Faire Leadership Styles on Organizational Performance

Ziad Ghazal, MBA Graduate from the Lebanese American University, Adnan Kassar School of Business, Lebanese American University, Beirut, Lebanon

Manar Hammoud, MBA Graduate from the Lebanese American University, Adnan Kassar School of Business, Lebanese American University

Beirut, Lebanon

Mohamad Ali Mezher, MBA Graduate from the Lebanese American University, Adnan Kassar School of Business, Lebanese American University

Beirut, Lebanon

ID 349 The Employee's Performance of Production Division in A Textile Firm in Indonesia

Haryadi Sarjono, Management Departement, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

Heppy Yohanes, Sekolah Tinggi Teologi Bethel The Way (STTB The Way), Jakarta, Indonesia

ID 201 The Impact of Big Data Adoption on SMEs Performance

Mahdi Nasrollahia, Javaneh Ramezanib, Mahmoud Sadraei, a Imam Khomeini International University (IKIU), Faculty of Social Sciences, Qazvin, Iran, b NOVA

University of Lisbon, Faculty of Sciences and Technology and UNINOVA-CTS, Campus da Caparica, 2829-516 Monte Caparica, Portugal

ID 329 The Importance of People Management in Corporate Social Responsibility Practices: A Case Study from a Brazilian Public Company Focused on Energy Operations Service.

Wagner Luiz Botnar and Gisele de Oliveira Andrade, School of Management, Federal University of Paraná, Curitiba, Paraná, Brazil

Guilherme F. Frederico, Professor of Operations, Supply Chain and Project Management, School of Management, Federal University of Paraná Curitiba, Paraná, Brazil

Simone Cristina Ramos and Germano Glufke Reis, Assistant Professor, School of Management, Federal University of Paraná, Curitiba, Paraná, Brazil

ID 636 The Intention to Buy Europe Fashion Products Through ECommerce

Celine Devina and Tanyo Yudistira, Business Management Program, Management Department, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia 11480

Artha Sejati Ananda, Creative Marketing Program, Management Department, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia 11480

ID 693 The Management of Change and Organizational Culture within The Media Industry in South Africa

Sambil Charles Mukwakungu, Portia Makamu and Junior Mabiza, Department of Quality and Operations Management, University of Johannesburg Johannesburg, South Africa

6:00 – 7:45 pm, TUESDAY**Engineering Education****Virtual Room 6**

Session Chair: Wahyudi Sutopo, Universitas Sebelas Maret (UNS), Surakarta, Indonesia

ID 1061 Digital Transformation Readiness in Higher Education Institutions in Indonesia: A Systematic Literature Review

Rizka Latifah, Cucuk Budiyanto, and Herman Saputro, Vocational Teacher Education, Faculty of Teacher Training and Education, Universitas Sebelas Maret, Surakarta, Indonesia

ID 1062 Research on Multi-closed-loop Mode Teaching Reform for Postgraduate Courses of Automation Major Under the Background of Emerging Engineering Construction

Li Mingxing, Hao Fei, School of Automation Science and Electrical Engineering, Beihang University, Beijing, China

ID 1063 A Systematic Review of IoT Platforms in Educational Processes

Irene Cittaning Laksmi, Puspanda Hatta, and Endar Suprih Wihidayat, Faculty of Teacher Training and Education, Sebelas Maret University, Surakarta, Indonesia.

ID 1064 The Implementation of GIS as a means for Study Source of Community of Practice

Wiku Sidik Dananjaya, Yusfia Hafid Aristyagama, and Cucuk Wawan Budiyanto, Informatics Education dept., Faculty of Teacher Training and Education, Sebelas Maret University, Surakarta, Indonesia

ID 1065 Integration of STEAM Method with Constructivism Approach in Graphic Design Subject for Information Technology Vocational High School: A Systematic Reviews

Alfarizky Mutrian Trisna, Puspanda Hatta and Cucuk Wawan Budiyanto, Department of Informatics Education, The Faculty of Teacher Training and Education, Universitas Sebelas Maret, Surakarta, Indonesia

ID 1066 Interdisciplinary research on microelectronics undergraduate education

Xiaoyang Lin, Zhizhong Si, School of Integrated Circuit Science and Engineering, Beihang University, Beijing, China

Jianlie Yang, School of Computer Science and Engineering, Beihang University, Beijing, China

ID 1067 Arduino Controlled Hospital Sanitization Robot Vehicle

Kashif Ahmed, Faculty of Electrical and Electronics Engineering, CMR Institute of Technology, Bengaluru, Karnataka, India

Chiranjeevi Venkatesh, Gayathri Srinivasulu Chetty, Gowtham Honnamachanahalli Krishnappa, and Harish Sadegowda, Students of Electrical and Electronics Engineering, CMR Institute of Technology, Bengaluru, Karnataka, India

March 9, 2022 (Wednesday)**March 9, 2022 (Wednesday) - Session: 6:00 – 7:45 am**

6:00 – 7:45 am, WEDNESDAY**SCM****Virtual Room 2**

Session Chair: LDSC Layangani, Department of Transport and Logistics Management, University of Moratuwa, Sri Lanka

ID 948 Warehouse Layout Design: Drinking Water Factory

Tinnakorn Phongthiya, Chompoonoot Kasemset, Tanyarat Muangsiri, Supatchara Chanchai, Department of Industrial Engineering, Faculty of Engineering Chiang Mai University, Chiang Mai, Thailand.

ID 937 Sizing of Raw Materials in a Corrugated Cardboard Box Manufacturing Company via Simulated Annealing Incorporating Integer Linear Programming

Ilkim Sipahi, Industrial Engineer, The Graduate School of Natural and Applied Sciences Dokuz Eylul University Izmir, Turkey
Adil Baykasoğlu, Full Professor of Industrial Engineering Faculty of Engineering Dokuz Eylul University Izmir, Turkey
Kemal Subulan, Associate Professor of Industrial Engineering Faculty of Engineering Dokuz Eylul University Izmir, Turkey

ID 918 A Review - Impact of Industry 4.0 in Supply Chain

Siwangi Rawat, Institute of Management Nirma University Gujarat, India
Dr. M.B. Kiran, Associate Professor Department of Mechanical Engineering School of Technology, Pandit Deendayal Energy University Gujarat, India

ID 925 Multi-Criteria Supplier Selection Rapid Diagnostic Test Antigen (RDT-Ag) Test Kit Using AHP TOPSIS Methods (A Case Study in "X" Laboratory)

Aris Syaiful Utama and I. Nyoman Pujawan, Department System and Industrial Engineering Faculty Of Industrial Technology and Systems Engineering Institut Teknologi Sepuluh Nopember Surabaya, Indonesia

ID 928 Analysis of Supply Chain Complexity Driver in Make-to-Stock Oil and Gas Supply Chain

Yahya Al Hinai, Sujana Piya, Nasr Al-Hinai, Department of Mechanical and Industrial Engineering College of Engineering, Sultan Qaboos University Muscat, Oman.

ID 1006 Investigating the Commercial Innovative Marketing in the Digital Era 4.0: A Comparative Study

Khalsiah and Yuliusdharma, Faculty of Business and Economics Universitas Malikussaleh Blang Pulo, Muara Satu, Aceh Utara, 24355 Aceh, Indonesia
Jumadil Saputra, Faculty of Business, Economics and Social Development Universiti Malaysia Terengganu 21030 Kuala Nerus, Terengganu, Malaysia
Saifuddin Yunus, Faculty of Social and Political Sciences Universitas Malikussaleh Blang Pulo, Muara Satu, Aceh Utara, 24355 Aceh, Indonesia

6:00 – 7:45 am, WEDNESDAY**IT/IS****Virtual Room 3**

Session Chair: Dr. Serkan Altuntaş, Yıldız Technical University, Turkey

ID 931 Customizing Manufacturing Technologies for Industry 4.0

Ibrahim Garbie, Department of Mechanical Engineering-Industrial Engineering Program, College of Engineering Helwan University, Cairo, Egypt
Hamid Parsaei, Wm Michael Barnes'64 Department of Industrial and Systems Engineering Texas A&M University College Station, Texas, USA

ID 901 Cryptocurrency Exchange Application Acceptance with TAM Model in Indonesia

Fredy Jingga, Information Systems Department, School of Information Systems, Bina Nusantara University, Indonesia
Azka Reivan Mumtaza, Bina Nusantara University, Indonesia
Annisa Dwi Ananda, Information Systems Department, School of Information Systems, Bina Nusantara University, Indonesia
Salsabila Denia Harsyarie, Information Systems Department, School of Information Systems, Bina Nusantara University, Indonesia

ID 917 Global Navigation Satellite Systems Receivers

Ahmed Waheed, Erasmus Mundus Joint Master Degrees Programme SMARTNET Electrical Engineering for Communication and Information Processing Institut Polytechnique de Paris Paris, France
Muhammed Fatih Koc, Erasmus Mundus Joint Master Degrees Programme SMARTNET Electrical Engineering for Communication and Information Processing Institut Polytechnique de Paris Paris, France

ID 927 The Influence of IT Infrastructure Capability, IT Business Spanning Capability, and IT Proactive Stance on Organizational Performance, mediated by Organizational Agility

I Gede Eke Djajasaputra, Heidi Lianawaty Lisan, Nur Cholis Dwi Saputro, and Tengku Mohd Khairal Abdullah, Business Management Program, Management Department, Binus Business School Master Program, Bina Nusantara University, Jakarta, Indonesia, 11480

ID 990 Mourning ceremony in the context of Information Technology

Kamran yeganegi, Assistant Professor of Industrial Engineering Zanjan Branch Islamic Azad University Zanjan, IRAN
Hossein Ali Taghi Tehrani, PH.D of Futurology Researcher of Middle East Strategic Studies Research Institute Tehran, IRAN
Ahmed J. Obaid A., Leon Linton Department of Mechanical, Robotics and Industrial Engineering (12 font center) Faculty of Computer Science and Mathematics University of Kufa Najaf, IRAQ

ID 909 Predicting Chronic Kidney Disease and diet recommendation using Machine Learning techniques

Navin Keshaw Rerukaana, Informatics Institute of Technology 57, Ramakrishna Road, Colombo-06, Sri Lanka
Gayashini Shyanka Ratnayake, Informatics Institute of Technology 57, Ramakrishna Road, Colombo-06, Sri Lanka

6:00 – 7:45 am, WEDNESDAY**Innovation****Virtual Room 4**

Session Chair: Dr. Leonardo Frizziero, Department of Industrial Engineering, ALMA MATER STUDIUM University of Bologna, Bologna – Italy

ID 288 Design of an online transporter for a pharmaceutical store: A B2C E-commerce platform

Mark Jason Llorente, Juan Carlo Miguel Recuenco, Dr. Eric Blancaflor and Sela Frances Nicolas, School of Information Technology, Mapua Univ. Makati, Philippines

ID 969 Reliability Analysis of Sensorized Stamping Presses by Generalized Fault Trees

Eugénio M. Rocha, Department of Mathematics and Center of Research and Development in Mathematics and Applications (CIDMA), Campus de Santiago, Aveiro, 3810-193, Portugal
Pedro Nunes, Department of Mechanical Engineering and Center for Mechanical Technology and Automation (TEMA), Campus de Santiago, Aveiro, 3810-193, Portugal

ID 975 Social Innovation to Promote Financial Inclusion in the Microfinance Sector in Mexico

María del Rocío Soto-Flores, Christian Muñoz-Sánchez Ingrid Yadibel Cuevas-Zuñiga, Marco Antonio García-Sánchez, Business School (ESCA-STO) National Polytechnic Institute of Mexico (IPN) Mexico City, Mexico

ID 934 Project Management vs Product Management: View on The Journey From Project to Product in Software Development

Senay Demirel, Doctorate Student in Engineering Management Department Faculty of Engineering and Natural Sciences Bahcesehir University Istanbul, Turkey
Alper Camcı, Assist. Professor in Engineering Management Department Faculty of Engineering and Natural Sciences Bahcesehir University Istanbul, Turkey

ID 997 A Study of the Watershed Management (Maintained and Restored) in Krueang Peusangan, Aceh Province, Indonesia
Halim Akbar, Riyandi Praza and Muhammad Authar ND, Faculty of Agriculture Universitas Malikussaleh East Reuleut, Muara Batu, 24355 North Aceh Regency, Aceh, Indonesia
Jumadil Saputra, Faculty of Business, Economics and Social Development Universiti Malaysia Terengganu, Kuala Nerus, Terengganu, Malaysia
Abdul Talib Bon, Department of Production and Operations Universiti Tun Hussein Onn Malaysia 86400 Parit Raja, Johor Malaysia

ID 899 Implementation of Value Proposition Canvas for Cultural Entrepreneurship to Find the Opportunity in the New Normal Era
Mulyani Karmagatri, Entrepreneurship Department, BINUS Business School Undergraduate Program Bina Nusantara University, Jakarta, Indonesia
Dian Kurnianingrum, Entrepreneurship Department, BINUS Business School Undergraduate Program Bina Nusantara University, Jakarta, Indonesia
Chyntia Ika Ratnapuri, Entrepreneurship Department, BINUS Business School Undergraduate Program Bina Nusantara University, Jakarta, Indonesia

6:00 – 7:45 am, WEDNESDAY**Manufacturing****Virtual Room 5**

Session Chair: Dr. Durul Ulutan, Kadir Has University, Turkey

ID 902 Factors Analysis and Prediction in Die-casting Process for Defects Reduction
Titiwetaya Yaikratok, Pavee Siriruk, System Engineering, School of Industrial Engineering Suranaree University of Technology, Nakhon Ratchasima 30000, Thailand.

ID 992 Cost of Quality: Literature Review Based on Meta-Analysis
Wiwik Sulistiyowati, Mokh Suef, Moses Laksono Singgih, Department of Industrial and Systems Engineering Institut Teknologi Sepuluh Nopember Surabaya, Indonesia and Industrial Engineering Majoring Universitas Muhammadiyah Sidoarjo Sidoarjo, Indonesia

ID 1003 Chitosan-Alginat-Aloe Vera Biomembran for Wound Dressing Applications
Suryati, Meriatna, Sulhatun and Puspita Sari, Department of Chemical Engineering Faculty of Engineering Universitas Malikussaleh Muara Batu, Aceh Utara, Aceh, Indonesia
Jumadil Saputra, Faculty of Business, Economics and Social Development Universiti Malaysia Terengganu 21030 Kuala Nerus, Terengganu, Malaysia
Abdul Talib Bon, Department of Production and Operations Universiti Tun Hussein Onn Malaysia 86400 Parit Raja, Johor Malaysia

ID 884 Factors Influencing Sme Performance: The Mediating Role Of Social Media Benefits Among Smes In The Uae
Saeed Khalfan, UTHM, Malaysia

ID 973 PDCA Protocol to ensure a Data-Driven Approach for Problem-Solving
Ángela F. Brochado, Department of Economics, Management, Industrial Engineering and Tourism (DEGEIT)University of Aveiro, Portugal
Eugénio M. Rocha, Department of Mathematics (DMAT) and Center for Research and Development in Mathematics and Applications (CIDMA), University of Aveiro, Portugal
Carina Pimentel, DEGEIT and Systems for Decision Support Research Group (GOVCOPP) University of Aveiro, Portugal

ID 993 Enhancing Toughness of Fiber Reinforced Plastic Composites using Nano-Materials
Noha M Hassan, Zied Bahroun, Mahmoud Awad, Rami As'ad, and Assil Charkaoui, Department of Industrial Engineering, College of Engineering, American University of Sharjah Sharjah, United Arab Emirates

ID 979 Digital Transformation Paradoxes and Glass Industry
Sener Oktik, Kadir Has University; Faculty of Engineering and Natural Sciences, Department of Mechatronics Engineering, Kadir Has Caddesi 34083 Cibali /Istanbul, Turkey

6:00 – 7:45 am, WEDNESDAY**Operations Research****Virtual Room 6**

Session Chair: Yasin Gocgun, Istinye University, Turkey

ID 932 Considerations Prior Adoption of Design Thinking for Project Management
Gigih Suhartanto, and Tengku, Mohd. Khairal Abdullah, Business Management Program, Management Department Binus Business School Master Program, Bina Nusantara University, Jakarta, Indonesia.

ID 906 Comparing Credibility, Attractiveness, and Brand Match-Up of Jakarta Museum Ambassadors and Museum Experience towards Visit Intention
Jelita Permata, Farras Caesarnas Putri, Marsha Herryanna & Jerry S. Justianto, Creative Marketing Program, Management Department, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia, 11480.

ID 929 Determining the Matchdays for the Turkish Super League using Non-Linear Binary Integer Programming
Yasin Göçgün, Assistant Professor of Industrial Engineering Faculty of Engineering and Natural Sciences Istinye University İstanbul, Turkey
Niyazi Onur Bakır, Associate Professor of Mechanical and Industrial Engineering Sultan Qaboos University, Al Khoudh, Sultanate of Oman
Baba Ali Saleh, Master's Student of Industrial Engineering, Faculty of Engineering and Natural Sciences Altınbaş University İstanbul, Turkey

ID 936 Capability-Based Facility Layout Design with Unequal-Area Departments
Bilge Varol, Research Assistant in Industrial Engineering Faculty of Engineering and Natural Sciences Bahcesehir University Istanbul, Turkey
Kemal Subulan, Associate Professor of Industrial Engineering Faculty of Engineering Dokuz Eylul University Izmir, Turkey
Adil Baykasoğlu, Full Professor of Industrial Engineering Faculty of Engineering Dokuz Eylul University Izmir, Turkey

ID 945 Performance Improvement of a Restaurant, Through Optimization Applications
Sobhi Mejjaoui, Assistant Professor of Industrial Engineering Faculty of Engineering Al Faisal University Riyadh, Saudi Arabia
Badr Abutaleb, Student of Industrial Engineering, College of Engineering Al Faisal University Riyadh, Saudi Arabia
Ahmed Al Munajem, Student of Industrial Engineering College of Engineering Riyadh, Saudi Arabia

March 9, 2022 (Wednesday) - Session: 8:00 – 9:30 am**8:00 – 9:20 am, WEDNESDAY****Green and Sustainability****Onsite Hilton Bomonti MR25A**

Session Chair: Oludolapo Akanni Olanrewaju, Industrial Engineering Department, Durban University of Technology, Durban South Africa

ID 967 Machine Learning Based Model for Predicting Student Outcomes
Dijana Oreški, Associate Professor of Data Mining Faculty of Organization and Informatics University of Zagreb Varazdin, Croatia

Dora Zamuda, Student of Information and Business Systems Faculty of Organization and Informatics University of Zagreb Varazdin, Croatia

ID 403 Electricity and Gas Potential of Abattoir Waste

Moses Jeremiah Barasa Kabeyi and Oludolapo Akanni Olanrewaju, Industrial Engineering Department, Durban University of Technology, Durban South Africa

8:00 – 9:20 am, WEDNESDAY

Modeling and Simulation

Virtual Room 1

Session Chair: Dr. Abdallah Sofiane Berrouk, Associate Professor of Mechanical Engineering, Khalifa University, Abu Dhabi, United Arab Emirates

ID 471 A Hybrid Variable Neighborhood Search Algorithm for the Multiple Roaming Salesman Problem

Masoud Shahmanzari, Assistant Professor, Faculty of Business, Ozyegin University, Istanbul, Turkey

ID 096 A Mathematical Model of Local Drug Store Selection for Psychiatric Disorders in Thailand

Napatsawan Dedkhard and Warisa Wisittipanich, Master of Engineering Program in Logistics Engineering and Supply Chain Management Graduate School, Chiang Mai University, Department of Industrial Engineering, Faculty of Engineering, Chiang Mai University, Chiang Mai 50200, Thailand

ID 257 An Effective Binary Artificial Bee Colony Algorithm for Solving Hierarchical Facility Location-Allocation Problem for Maternal Healthcare

Ankit Chouksey, Mechanical Engineering Department, IIT(BHU), Varanasi, India 221005,
A. K. Agrawal, Professor, Mechanical Engineering Department, IIT(BHU), Varanasi, India 221005,
Ajinkya N. Tanksale, Assistant Professor, Mechanical Engineering Department, IIT(BHU), Varanasi, India 221005

ID 027 Determination of Force During Wire Drawing of Copper

Sunday J. Ojolo and Mojisola G. Omolumo, Department of Mechanical Engineering, University of Lagos Akoka, Lagos

ID 245 Investigation of surface behavior to adhesion of a coating - surface characterization by the volume parameters

Mounira Bourebia, Soumaya Meddah, Sihem. Achouri, Amel Oulabbas, Industrial Technologies Research Center. CRTI. chéraga-16014, Algeria
Lakhdar Laouar, University Badji Mokhtar Bp 12-2300, Laboratory of Industrial Mechanics, Annaba, Algeria

ID 324 Multi-Criteria Simulation Evaluation for Manual-Order-Picking Warehouse Design

Safwan Altarazi and Maysa Ammouri, Department of Industrial Engineering, School of Applied Technical Sciences, German Jordanian University, Amman, Jordan

ID 004 Simulation of Check-In Queue Model at Supadio Pontianak Airport during Covid-19 Pandemic Time

Jonfort Sony, Hutabarat Telkom University, Indonesia

ID 315 Weak Stability Bounds in the Overflow Model

Nabil Ait Yala, Faculté des Sciences et Sciences Appliquées, University of Bouira, Bouira, Algeria
Badredine Issaadi, Ecole Supérieure en Sciences et Technologies de l'Informatique et du Numérique, Campus Amizour, Bejaia, Algeria
Karim Abbas, Faculté des Sciences Exactes, University of Bejaia, Bejaia, Algeria

ID 639 Conceptual Model of Patient Brand Value Co-creation

Dahlia Darmayanti, Lecturer of Marketing and International Business, Faculty of Business – International Business Program, BINUS Business School – BINUS University, Jakarta, Indonesia
Togar M. Simatupang, Professor of Operations and Supply Chain Management, Institut Teknologi Bandung, School of Business and Management at Bandung, Bandung, Indonesia
Priyantono Rudito, Lecturer of Marketing and Strategic Management, Institut Teknologi Bandung, School of Business and Management at Bandung Bandung, Indonesia

8:00 – 9:30 am, WEDNESDAY

Supply Chain

Virtual Room 2

Session Chair: Dr. Farshid Azadian, Embry-Riddle Aeronautical University, Daytona Beach, Florida

ID 564 Commercializing a Technology use Global Business Strategy approach: A Lesson Learned from HVAC Companies

Dessy Srikandi, Master Program of Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Wahyudi Sutopo1,2, 1) University Centre of Excellence for Electrical Energy Storage Technology, 2) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Jl. Ir. Sutami 36 A, Surakarta, Indonesia
Muhammad Hisjam, Department of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Silvi Istiqomah, Department of Industrial Engineering, Faculty of Engineering, Universitas Mahakarya Asia, Surakarta, Indonesia

ID 549 Comparative Analysis of Sweep Algorithm and Heuristic Algorithm in Determining Optimal Route: A Case Study

Naufal Adi Wibowo, Rahma Sabilah Nurbi, Alifyan Arza, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
Nida An Khofiyah, Industrial Engineering Department, Faculty of Engineering, Universitas Pelita Bangsa, Jl. Inspeksi Kalimalang Tegal Danas., Cikarang Pusat, Indonesia
Wahyudi Sutopo3, Yuniaristanto4, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 561 Comparative Study of Global Business Strategy: Lessons Learned from Excellent Sport-wear Companies (Nike and Adidas)

Almira Zana Pratama, Master Program of Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Universitas Sebelas Maret, Surakarta, Indonesia
Muhammad Hisjam, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Silvi Istiqomah, Industrial Engineering Department, Faculty of Engineering, Universitas Mahakarya Asia, Surakarta, Indonesia

ID 531 Comparison of Trend Line Analysis Methods and Backpropagation Neural Network with Lowest Error Rate in Solopos Newspaper Industry

Alifah Rahmadiyahani, Ferina Ruby Alfiyanti, Muhammad Dani Setiawan, Industrial Engineering, Universitas Sebelas Maret,
Silvi Istiqomah, Industrial Engineering Department, Faculty of Engineering, Universitas Mahakarya Asia, DIY, Indonesia
Wahyudi Sutopo3, Yuniaristanto4, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 194 COVID-19 Vaccine Logistics Process Improvement Using Business Process Reengineering

Dyah Ayu Azzahrah Fikri and M. Dachyar, Industrial Engineering Department, University of Indonesia, Depok, Indonesia

ID 137 Design Framework of the Supplier Selection for Organization using Business Process Reengineering (BPR) Method at Telecommunication Industry in Indonesia

Asrie Permata Dini, M. Dachyar, Novandra Rhezza Pratama, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 576 Design of a Supply Chain Network for Electricity Distribution Stations for Waste Treatment

Intan Pratiwi, Master Program of Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

Wahyudi Sutopo, Professor, Department of Industrial Engineering, Past Head of Department of Industrial Engineering, Head of Industrial Engineering and Techno-Economics Research Group, Vice Dean for Human Resources, Finance, and Logistics, Faculty of Engineering, Universitas Sebelas Maret (UNS), Surakarta, Indonesia, President, IEOM Indonesia Chapter
 Muhammad Hisjam, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

ID 337 Analysis of Consumer Perceptions of Interest in Buying Halal Hand Soap Products

Juliza Hidayati, Industrial Engineering Department, Engineering Faculty, Universitas Sumatera Utara, Medan, Indonesia,
 Sawarni Hasibuan, Industrial Engineering Department, Engineering Faculty, Universitas Mercu Buana, Jakarta, Indonesia

8:00 – 9:30 am, WEDNESDAY

Business Analysis

Virtual Room 3

Session Chair: Fajar Prana, Universitas Indonesia, Depok, Indonesia

ID 333 Advertising, Brand Image, E-Word Mouth and E-ServQual on Buying Decisions: Case of Shopee Products in Indonesia

Thania P. Dewi and John Tampil Purba, Department of Management Faculty of Economics and Business, Universitas Pelita Harapan, Tangerang-15811, Indonesia
 Sidik Budiono, Department of Management Faculty of Economics and Business, Universitas Pelita Harapan, Tangerang-15811, Indonesia

ID 581 Analysis of Customer Characteristics for Customer Segmentation Classified by Share of Wallet: A Case Study of a Japanese Food Manufacturing Company

Yurina Oku, Ayuko Komura, and Hirohisa Hirai, Department of Industrial Engineering and Management, Kanagawa University, Kanagawa, Japan

ID 331 The Impact of Endorser on Social Media Engagement and Consumers' Purchase Intention: Case of Indonesian Footwear Brands

Nisryna Nabyala Putri and Tasya Safira Putri Sadewo, Creative Marketing Program, Management Department, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia 11480

Artha Sejati Ananda, Management Department, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia 11480

ID 141 To Understand Consumer Motivation for Luxury Consumption in Different Context: A Systematic Literature Review

Li Yingyu, Graduate School of Commerce, Waseda University, Tokyo, 1698050 Japan

ID 493 Village Community Service Program: An Opportunity to Implement Solar Power in Agricultural Tourism Development in Jombang

Agus Sukoco, I Nyoman Sudapet, Elok Damayanti, Tubagus Purworusmiardi and Amrun Rosyid, Departement of Management, Narotama University, Surabaya, Indonesia

Muhammad Ikhsan Setiawan and Sri Wiwoho Mudjanarko, Departement of Civil Engineering, Narotama University, Surabaya, Indonesia

Achmad Muchayan, Department of Information System, Narotama University, Surabaya, Indonesia

Cholil Hasyim and Kuswanto, Universitas Darul Ulum Jombang

Mohd Idrus Mohd Masirin, Department of Civil Engineering FKAAB Universiti Tun Hussein Onn Malaysia, Indonesia

ID 072 Wind Energy as Renewable Energy in West Java, Indonesia

Fajar Prana, Master Student of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

Rahmat Nurcahyo, Professor of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 386 Witty Owl: A Product Design and Development Proposal for Improved Online Learning

Rhea Antolihao, Sheila Mae Carungay, Denver Darell Jonatas, Lourdes Lasian and Earl Jerome Miranda, Department of Industrial Engineering College of Engineering, Adamson University, Manila, Philippines

ID 714 The Effect of Service Quality on Customer Satisfaction and Customer Loyalty OVO E-Wallet Users

Theresia Bernadetha Nariyari, Mahendra Fakhri, Mahir Pradana, School of Communication and Business Telkom University

ID 736 Stab Wound On Chest

Agustinus Sitepu, Medicolegal Studies Forensic Department, Faculty of Medicine, University of North Sumatera

8:00 – 9:30 am, WEDNESDAY

Business Management

Virtual Room 4

Session Chair: Dr. Ümit Bilge, Boğaziçi University, Turkey

ID 146 Dynamic Human Resources Management Capabilities: The Key for Organizational Success in Digital Era

Emre Turkmen, Ph.D. Student in Industrial Engineering, Faculty of Management, Istanbul Technical University, Istanbul, Turkey

Ayberk Soyer, Assoc. Prof. Dr. in Industrial Engineering, Faculty of Management, Istanbul Technical University, Istanbul, Turkey

ID 270 Ecosystem Determinants of Height and Weight: Empirical Analysis of Underprivileged Children in India

Bita Afsharina, Senior Research Scholar, Department of Management Studies, Indian Institute of Science, Bangalore, India

Anjula Gurtoo, Professor, Department of Management Studies, Chairperson, Centre for Society and Policy, Indian Institute of Science, Bangalore, India

ID 206 Effect of Preventive Maintenance on Coffee Shop Operations and Performance

Laras Safitri and Muhammad Habiburrahman, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 199 Enhancing Unplanned Maintenance Priorities Using Artificial Neural Networks: Case Study From Oman Oil & Gas Industry

Khalid Alfahdi, Hakan Gultekin and Emad Summad, Industrial & Mechanical Engineering, Sultan Qaboos University, Al Seeb, Al Khoudh 123, Muscat, Sultanate of Oman

ID 140 Establishing Recruitment Strategy for a Small and Medium Enterprise Engaged in Wedding Organizers

Rosyidah Rahmah and Dian Kurnianingrum, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia 11480

ID 237 Estimating Remaining Useful Life Under Multiple Operational Conditions Using Ensemble Learning

Firas Alrumaykhani and Mohammad Nabhan, Industrial and Systems Engineering Department, King Fahd University of Petroleum and Minerals Dhahran 31261, Saudi Arabia

ID 263 A Survey to Understand Students' Preference between Synchronous and Face-To-Face Instructional Methods in an Undergraduate Engineering Class in the United States and an Overseas Campus

1Albertus Retnanto, 2Hamid R. Parsaei, and 3Boback Parsaei, 1Professor, Petroleum Engineering, Texas A&M University at Qatar

2Professor, Industrial and Systems Engineering, Texas A&M University, College Station, Texas

3Integrated Technology Systems, Houston, Texas

ID 869 Analysis of Entrepreneurs on SME' Agility to Stay Competitive During the Covid-19 Pandemic

Synthia Atas Sari, Ami Fitri Utami, Kenyko, Management Department, Binus Business School, Bina Nusantara University, Jakarta, Indonesia

ID 870 Inclusive Finance in Banking and Their Effect on Economic Growth And Poverty Rate In District/City In West Java Province
Nur Azmi Karim, Entrepreneurship Departement, Bussiness School Undergraduate Program Bina Nusantara University Bandung Campus Bandung, Indonesia
Prof.Dr.Hj.Rina Indiasutji, SE, MSIE, Maman Setiawan, SE, MT, Ph.D, Dr. Ir. Bagdja Muljarjadi, SE, MS, Lecturer and researcher at the Department of Economics, Padjadjaran University

8:00 – 9:30 am, WEDNESDAY**Case Studies****Virtual Room 5**

Session Chair: Dr. Fabio Frugiero, University of Basilicata, Italy

ID 461 The Moderating Role of Job Enrichment: When Millennial Characters Have a Negative Relationship on Organizational Performance (Case Study at Social Insurance Company in Indonesia)
Indri Fajria Musfiroh, Masfu Hanik and Nugroho J. Setiadi, Management Department, Business Management Program, Business School Master Program, Bina Nusantara University, Jakarta, Indonesia, 11480

ID 226 The possibility of Renting an Existing Vehicles Fleet at the end of Their mission with Consideration The customer demand and Maintenance
Malek Ben Mechlia, Jérémie Schutz and Sofiene Dellagi, LGIPM, The University of Lorraine, Metz, France

ID 316 The Role of Customer Value Co-Creation Behavior in Business Management
Tiurida Lily Anita, Faculty of Economy and Communication, Hotel Management Department, Bina Nusantara University, Jakarta, Indonesia
Tujuh Martogi Siahaan, Faculty of Economy & Business, Service Management, Trisakti University, Jakarta, Indonesia
Asep Suparman, Faculty of Business and Management, Department of Sea Transportation, Trisakti Institute of Transportation and Logistic, Jakarta, Indonesia
Hermanto Yaputra, Faculty of Economy & Business, Magister Management, Trisakti University, Jakarta, Indonesia

ID 321 The Role of Risk Management of Start-Up Business on SMEs Performance: A Review Paper
Siti Nadiyah Mohamad Fauzi, Puspa Liza Ghazali, Roslida Abdul Razak, Asyraf Afthanorhan, Juliana Arifin, Ahmad Azrin Adnan, Faculty of Business and Management, Universiti Sultan Zainal Abidin, 21300 Kuala Nerus, Terengganu, Malaysia.
Norhildi Muhammad, School of Core Centre, Universiti Sultan Zainal Abidin, 21300 Kuala Nerus, Terengganu, Malaysia.
Rabiatul Adawiyah Abdul Rohim, Faculty of Medicine, Universiti Sultan Zainal Abidin, 20400, Kuala Terengganu, Terengganu, Malaysia

ID 517 The Role of the Flipped Classroom Pedagogy on the Engagement of Architectural Engineering Students: An Action Research
Dr. Hala Bilal¹, Dr. Salma Dwidar¹, Dr. Amani Derbali¹, Dr. Amal Abdelsattar¹, Dr. Donia Abdelgawad², Prince Sultan University¹, Alexandria University²

ID 590 Lecturer Analysis on the Implementation of Mbkm Internship in the Construction & Infrastructure Industry at Faculty of Engineering and Computer Science Of Narotama University
Julistyana Tistogondo, Diah Ayu Restuti Wulandari, Muhammad Ikhsan Setiawan and Sri Wiwoho Mudjanarko, Department of Civil Engineering, Narotama University, Surabaya, Indonesia
Achmad Muchayan, Department of Information System, Narotama University, Surabaya, Indonesia
Tubagus Purworusmiardi, Department of Management, Narotama University, Surabaya, Indonesia
Haziman Wan Ibrahim, Department Civil Engineering UTHM, Malaysia

ID 497 The Role of Universities in Improving the Agro-Tourism and Agro-Cultural Economy with the Support of Renewable Technology as Implementation of MBKM Programs
Agus Sukoco, I Nyoman Sudapet, Elok Damayanti, Tubagus Purworusmiardi, Arasy Alimudin, Amrun Rosyid, IGA Aju Nitya D and R Agus Baktiono, Department of Management, Narotama University, Surabaya, Indonesia
Muhammad Ikhsan Setiawan and Sri Wiwoho Mudjanarko, Department of Civil Engineering, Narotama University, Surabaya, Indonesia
Achmad Muchayan, Department of System Information, Narotama University, Surabaya, Indonesia
Cholil Hasyim and Kuswanto, Darul 'Ulum University, Jombang, Indonesia

8:00 – 9:30 am, WEDNESDAY**Operations Management and Optimization****Virtual Room 6**

Session Chair: Nasr Al-Hinai, Department of Mechanical and Industrial Engineering, College of Engineering, Sultan Qaboos University, Muscat, Oman

ID 861 Lifetime Maximization with Restricted Connection Diversity in Wireless Sensor Networks
Cemre Erdoğan, Aysegül Altın-Kayhan, Bülent Tavlı, Faculty of Engineering, TOBB University of Economics and Technology, Ankara, Turkey
Hüseyin Uğur Yıldız, TED University, Ankara, Turkey

ID 709 Determination of Factors and Location of Wave Power Generating for Islands in Indonesia
Chabibi Nur Thahlil, Program Study Magister Management Technology, School of Interdisciplinary Management and Technology, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia
Moses Laksono Singgih, Professor in Department of Industrial and Systems Engineering, Faculty of Industrial Technology and Systems Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia

ID 769 Cost Integrated Safety Management for Accident Risk Control in Cement Manufacturing Process
Afrigh Fajar Rosyidiin, Patdono Suwignjo, Moses Laksono Singgih, Department of Industrial and Systems Engineering, Institut Teknologi Sepuluh Nopember ITS Campus, Keputih-Sukolilo, Surabaya-Indonesia

ID 776 Company Paperwork
Sterly Pauliscat, Université Quisqueya, University of the People, West Virginia University, United States

ID 770 Critical Success Factors in Construction Related Projects in Oman
Nasr Al-Hinai, Department of Mechanical and Industrial Engineering, College of Engineering, Sultan Qaboos University, Muscat, Oman
Maryam Mohammed Masudur Rahman, Department of Operation Management & Business Statics, College of Economics and Political Science, Sultan Qaboos University, Muscat, Oman
Sujan Piya, Department of Mechanical and Industrial Engineering, College of Engineering, Sultan Qaboos University, Muscat, Oman

ID 756 Implementing Deep Learning in E-Commerce Platforms for Fraud Detection and Management
Mary Jane C. Samonte, School Of Information Technology, Mapúa University
Joseph Anthony T. Arpilleda, School Of Information Technology, Mapúa University
Robert Leyton-Pete J. Pastrana, School Of Information Technology, Mapúa University
Dhan Quijano, School Of Information Technology, Mapúa University
Romeo Robert Sulit, School Of Information Technology, Mapúa University
Elcid A. Serrano, School Of Information Technology, Mapúa University

ID 775 Towards a Performance Optimization of Mobile Automated Fingerprint Identification System (MAFIS) for the Philippine National Police

William P. Rey, Mapua University, Technological University of the Philippines
 Ronaldo A. Juanatas, Technological University of the Philippines

ID 799 Mamamayan: An Android mobile Community-based Emergency Reporting and Notification System

William P. Rey, Sydney Alison S. Adalin, Khristopher Ross L. Calanog, and Gian Windsor R. Jimenez, School of Information Technology, Mapua University, Makati, Philippines

ID 853 The Failure Of President Keita That Caused The Mali Revolution In 2020

Tasya Faudina and Robi Nurhadi, Department of International Relations, Universitas Nasional Jakarta Indonesia

ID 868 Achieving SMES Business Performance through an Integrated Information System Success Model and TOE Framework: Review Paper

Saeed Ali Saeed Bin Al Dada Al Shehhi, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia, 86400 Parit Raja, Batu Pahat, Johor.
 Khadijah Md Ariffin, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia, 86400 Parit Raja, Batu Pahat, Johor.

9:30 – 10:00 am Morning Networking Coffee Break – Foyer Area of Hilton Hotel MR25A-MR25B

March 9, 2022 (Wednesday) - Session: 10:00 am – 1:00 pm

Keynote Speakers

Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B

10:00 am – 10:20 am Welcome Address:

10:20 am – 11:00 am Keynote V:

Prof. Nesli Alp

Dean and Professor, College of Technology
 Indiana State University, Terre Haute, Indiana, USA

11:00 am – 11:40 am Keynote VI:

Dr. Jean-Damien Muller

Advanced Development Technical Leader
 Battery Cooling Systems Expert
 Valeo Thermal Systems, France

11:40 am – 12:20 pm Keynote VII:

David A. Harry

CEO and Black Belt Trainer
 Process Whisperer® Consultants LLC
 Greeneville, Tennessee U.S.A.

12:20 pm – 01:00 pm Keynote VIII:

Dr. Yilmaz Argüden

Chairman, ARGE Consulting
 Istanbul, Turkey

1:00 – 2:00 Lunch Break

Lunch Provided

March 9, 2022 (Wednesday) - Session: 2:00 – 3:45 pm

2:00 – 3:45, WEDNESDAY

Technical Presentations

Onsite Hilton Bomonti MR25A

Session Chair: Mark Jason Llorente, School of Information Technology, Mapua Univ. Makati, Philippines

ID 238 Optimization of Tri-Rotor propeller for maximum hover lift efficiency

Merve Sali and Luca Piancastelli, Bologna University, Italy

ID 405 Ethanol and Energy Potential of Sugarcane Molasses

Moses Jeremiah Barasa Kabeyi and Oludolapo Akanni Olanrewaju, Industrial Engineering Department, Durban University of Technology, Durban South Africa

ID 429 Sustainability Assessment for Non-Combustible Renewable Power Generation

Moses Jeremiah Barasa Kabeyi and Oludolapo Akanni Olanrewaju, Industrial Engineering Department, Durban University of Technology, Durban South Africa

ID 428 Energy Transition Models and Modelling Tools

Moses Jeremiah Barasa Kabeyi, Industrial Engineering Department, Durban University of Technology, Durban South Africa
Oludolapo Akanni Olanrewaju, Industrial Engineering Department, Durban University of Technology, Durban

2:00 – 3:45, WEDNESDAY

Engineering Education

Onsite Hilton Bomonti MR25B

Session Chair: Mohd Rafi Mohd Solleh, Universiti Selangor, 45600 Bestari Jaya, Selangor Darul Ehsan, Malaysia

ID 340 Ultrasound Image Segmentation using Combinatorial of Edge Enhancement and Kirsch's template Method to detect Follicles in Ovaries

Noraishikin Zulkarnain, Senior Lecturer of Department of Electrical, Electronic and Systems, Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia, Bangi, Malaysia

Siti Nur Balqish Binti Azli @ Mohd Azlia, Student of Department of Electrical, Electronic and Systems, Faculty of Engineering and Built Environment Universiti Kebangsaan Malaysia, Bangi, Malaysia

Asma' Amirah Nazarudin, Master Student of Department of Electrical, Electronic and Systems, Faculty of Engineering and Built Environment Universiti Kebangsaan Malaysia, Bangi, Malaysia

Siti Salasiah Mokri, Senior Lecturer of Department of Electrical, Electronic and Systems, Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia, Bangi, Malaysia

ID 418 Sunscreen Based on Stevia Leaf Extract (Stevia rebaudiana) as Anti-UV and Antioxidant

Kun Harismah, Muhammad Ilham Maulana, Diny Febri Yanti, Denny Vitasari, Chemical Engineering, Faculty of Engineering, Universitas, Muhammadiyah Surakarta, Surakarta, Indonesia

Erindyah Retno Wikantyasning, Faculty of Pharmacy, Universitas Muhammadiyah Surakarta, Surakarta, Indonesia

Mahmoud Mirzaei, Child Growth and Development Research Center, Research Institute for Primordial Prevention of Non-Communicable Disease, Isfahan University of Medical Sciences, Isfahan, Iran

Kun Arsanti Dewi, Dinas Perumahan dan Kawasan Permukiman Kota Magelang, Magelang, Indonesia

ID 434 The Effect of Foreign aid and Vocational Training on Poverty Reduction Strategy: An Empirical Evidence from Chad Republic

Abd Rahman Ahmad, Khalil Abakar Moussa Kaya and Ganama Moustapha Gueme, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia

ID 439 Neutron Fluxes Calculation of a Bnct Facility at Malaysian Nuclear Agency with MCNP Code

Mohd Rafi Mohd Solleh, Mohd Zaini Bin Ya'cob, Yusman Bin Istihath, and Rahmad Bin Mohd Taib, Fakulti Sains dan Bioteknologi, Universiti Selangor, 45600 Bestari Jaya, Selangor Darul Ehsan, Malaysia

2:00 – 3:45, WEDNESDAY

Industry 4.0 / Industry Solutions I

Virtual Room 1

Session Chair: Ali Massaeli, Technical Inspection and Control, National Iranian Gas Company, Tehran, Iran

2:00 – 2:20 pm (Wednesday, March 9)

Ángel D. Delgado García
Global CL Green Project Manager
Ceva Logistics
Madrid, Spain

Propose Title of Talk: The Green Transition for a Global Logistic Company

2:20 – 2:40 pm (Wednesday, March 9)

Ilkay Boduroglu, Ph.D.
CEO + Director of R&D
Riskoptima
Istanbul, Turkey

2:40 – 3:00 pm (Wednesday, March 9)

Davood Navabiasl
Chairman + Director of R&D
Mohitma International Company
Antalya, Turkey

3:00 – 3:20 pm (Wednesday, March 9)

Tan Mei Fang (Ms)
B.Eng (NUS, Singapore), MBB (MA, USA), PMP (USA), PROSCI (USA), Member of ISSSP (USA)
Six Sigma Master Black Belt
Lecturer, Lean Consultant and Coach
Singapore

Lean Applications in Healthcare

3:20 – 3:40 pm (Wednesday, March 9)

Ali Massaeli
Technical Inspection and Control
National Iranian Gas Company
Tehran, Iran

2:00 – 3:45, WEDNESDAY**Optimization****Virtual Room 2**

Session Chair: Dr. Necati Aras, Boğaziçi University, Turkey

ID 635 Blending Optimization in Traditional Diesel Oil Production in Indonesia

Rois Fatoni, Heni Fidyayuningrum, Kun Harismah and A.M. Fuadi, Department of Chemical Engineering, Faculty of Engineering, Universitas Muhammadiyah Surakarta, Surakarta, Indonesia

ID 402 Equality Constrained Performance Optimization for Micro- Service Applications Under Restricted Resources

Ravindu Fernando, and Dilani Wickramarachchi, Department of Industrial Management, Faculty of Science, University of Kelaniya, Sri Lanka

ID 399 Optimization of the Product Mix at Small-Scale Bakery Industry

Sri Susilawati Islam and Rayhana Ayu Amelia Putri, Department Industrial Engineering, Faculty of Engineering and Technology, Sampoerna University, Jakarta, Indonesia

ID 155 Problem Space Search Heuristics Using Fix and Optimize Approach for The Integrated Fleet Sizing and Replenishment Planning Problem

Duygu Aghazadeh and Kadir Ertogral, Industrial Engineering Department, TOBB University of Economics and Technology, Ankara, Turkey

ID 432 The Role of Smart Grids in Sustainable Electricity Transition

Moses Jeremiah Barasa Kabeyi and Oludolapo Akanni Olanrewaju, Industrial Engineering Department, Durban University of Technology, Durban South Africa

ID 876 Rejuvenating Pancasila Democracy To Counter Extremism And Terrorism

Ryantori, Faculty of Social and Political Sciences, University of Prof. Dr. Moestopo (Beragama) Jl. Hang Lekir 1, No. 8, Jakarta 10270, Indonesia.

ID 877 Visualization of Green Business Research Around the World Over Two Decades: A Bibliometric Perspective

Febby Candra Pratama and Agung Purnomo, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta 11480, Indonesia

Fairuz Iqbal Maulana, Computer Science Department, School of Computer Science, Bina Nusantara University, Jakarta 11480, Indonesia

Galuh Windang Nuraulia, Economic Education Department, Universitas Negeri Malang, Malang 65145, Indonesia

ID 971 Industrial approach in vibration analysis of mechanical elements

Ángel Mariano Rodríguez Pérez, University of Huelva, Spain

Julio José Caparrós Mancera, University of Huelva, Spain

José Antonio Hernández Torres, University of Huelva, Spain

2:00 – 3:45, WEDNESDAY**Data Analytics****Virtual Room 3**

Session Chair: Lemma Lessa, School of Information Science, Addis Ababa University, Addis Ababa, Ethiopia

ID 344 Improving Stock Market Intraday Prediction by Generative Adversarial Neural Networks

Badre Labiad and Abdelaziz Berrado, AMIPS Research Team, Ecole Mohammadia d'Ingénieurs, Mohammed V University in Rabat, Morocco

ID 307 Organizational Risk Based Adaptive Authentication Model to Improve User Experience

Ishara Ishak, Department of Industrial Management, Faculty of Science, University of Kelaniya, Sri Lanka

ID 662 Using Machine Learning to Predict College of Engineering Student Failure at an Early Stage

Omar Albalawi, Assistant Professor of Industrial Engineering, University of Tabuk, Tabuk, Saudi Arabia

Rabia Almamlook, Dept. of Industrial and Entrepreneurial Engineering and Engineering Management, Western Michigan University, USA

Assistant Professor of Aviation Engineering, Al Zawiya University, Zawiya, Libya

ID 615 Building the Model for Detecting Different Types of Accounting Fraud in Japanese Companies

Natsuki Sato, Ayuko Komura, and Hirohisa Hirai, Department of Industrial Engineering and Management, Kanagawa University, Kanagawa, Japan

ID 495 Impact of Collaborative Learning Model Team-based Project Enterprise Resource Planning to Academic Achievement of Information Systems Major Students Faculty of Engineering and Computer Science Narotama University

Achmad Zakki Falani, Arasy Alimudin, Made Kamisutara, Agus Sukoco and M.Ikhsan Setiawan, Assistant Professor of Information Technology, Narotama University, Surabaya, Indonesia

ID 157 Integrated Information System Design of Municipal Solid Waste Data in Indonesia (Study Case: South Tangerang City)

Kirana Sekarlili and M. Dachyar, Industrial Engineering Department, Universitas Indonesia, Depok, Indonesia

ID 851 The Role of Hedonic Motivation and FOMO on the Impulsivity of e- Commerce Users during COVID-19 Pandemics in Indonesia

Dina Kamalia, Margarita Djajadinata, Fendy Hadisusanto Gunawan, Willy Gunadi, Business Management, Management Department, Binus Business School Master Program, Bina Nusantara University

Jakarta, Indonesia 11480

ID 852 Employee Performance Assessment Using Simple Additive Weighting (SAW) Method

Hery Mustofa and Syaiful Bakhri, Universitas Islam Negeri Walisongo Semarang

2:00 – 3:45, WEDNESDAY**Engineering Management****Virtual Room 4**

Session Chair: Engr. Lourdes Lasian, Chairperson, Industrial Engineering Department, College of Engineering, Adamson University, Ermita, Manila, Philippines

ID 699 Estimation of Compaction Characteristics Using Machine Learning Techniques

1Akinwamide Joshua Tunbosun, Department of Civil Engineering, Faculty of Engineering, The Federal Polytechnic, Ado Ekiti, Ekiti State, Nigeria

Jacob Odeh Ehiorobo, Osuji Sylvester Obinna and Ebuka Nwankwo. Department of Civil Engineering, Faculty of Engineering, University of Benin, Benin City, Edo State, Nigeria

ID 203 Evaluating Key Success Factors of Retail Pharmacies Using Analytic Hierarchy Process

Damith Pathirage and Chathumi Kavirathna, Department of Industrial Management, Faculty of Science, University of Kelaniya, Dalugama, Sri Lanka

ID 345 Evaluating the Accuracy of LSTM Forecasting Model and Intervention Programs in Combating Covid-19

De Guzman, Pauline Kay S.a, Honorario, Addie Rafaella P.b, Quevedo, Venusmar C.c, Sore, Nestley, I.d, Industrial Engineering Department, College of Engineering Adamson University, Manila, Philippines

ID 098 Evaluation of Pharmacy Warehouse Location Selection Factors under Pandemic Conditions

Melike Erdogan, Doctor of Industrial Engineering, Faculty of Engineering, Duzce University, Duzce, Turkey
Ertugrul Ayyildiz, Doctor of Industrial Engineering, Faculty of Engineering, Karadeniz Technical University, Trabzon, Turkey

ID 409 Performance Analysis And Development of an Export Cogeneration Plant For A 3000 Tcd Sugar Cane Factory

1Moses Jeremiah Barasa Kabeyi, 2Oludolapo Akanni Olanrewaju, Department of Industrial Engineering, Faculty of Engineering and the Built Environment, Durban university of Technology, Durban, SA

ID 25 Factors affecting Total Quality Management Implementation on Banking Industry

Chandra Hosen and Ardhianiswari Diah Ekawati, Master of Industrial Engineering, Bina Nusantara University, Jakarta, Indonesia

ID 728 Technology Acceptance Model for Resistance Implementation Mobile Learning in Higher education

Inayatulloh, Information Systems Department, School of Information system, Bina Nusantara University Jakarta, Indonesia 11480
Deny Jollyta, Institut Bisnis Dan Teknologi Pelita Indonesia
Rajiv Dharma Mangruwa, Communication and Business-Telkom University, Bandung, Indonesia, Azman Hashim International Business School – of Technology Malaysia, Malaysia
Maisyarah Rahmi Hasan, Islamic Economic Law Department Faculty of Sharia, Universitas Islam Negeri Sultan Aji Muhammad Idris Samarinda
Sawqi Saad El Hasan, Sekolah Tinggi Ekonomi Bisnis Islam Syariah Bina Mandiri, Bogor, Indonesia 11480
Indra Kusumadi Hartono, Information Systems Department, Bina Nusantara University, Jakarta, Indonesia 11480

ID 735 How Important Is Business Ethics In Corporate Strategy

Chairul Iksan Burhanuddin1, Aulia2, Alamsjah3, Firmansyah4, University of Muhammadiyah Makassar

2:00 – 3:45, WEDNESDAY

Virtual Room 5

Global Supply Chain and Logistics Panel

Panel Chair

Prof. Dr. Gülçin Büyükköçkan
Dean of Engineering and Technology Faculty
Head of Industrial Engineering Department
Galatasaray University, Istanbul, Turkey
Logistics Association (LODER) Vice President

Panel Speakers

Prof. Dr. Elif Kongar
Associate Dean for Graduate Studies and Research
School of Engineering
Fairfield University, Connecticut, USA

Tolga Günel
Supply Chain Leadership Partner
Gartner
London, England, UK

Arzu Sevensan
Supply Chain Group Manager
Kordsa
Istanbul, Turkey

Dr. İsmail Karakiş
Supply Chain Leadership Partner
PwC Turkey, Istanbul

Dr. Eren Özceylan
Associate Professor
Industrial Engineering Department
Gaziantep University
Gaziantep, Turkey

2:00 – 3:45, WEDNESDAY

Virtual Room 6

Industry 4.0 Panel

Panel Chair

Dr. Gündüz Ulusoy
Professor Emeritus of Industrial Engineering
Sabancı University
Turkey

Panel Speaker I

Heiko Schwindt

Vice President Sales
Bosch Connected Industry
Baden-Württemberg, Germany

Panel Speaker II

Haldun Dingec
Production Technologies Director
Arçelik Global
İstanbul, Turkey

Panel Speaker III

Efe Erdem
Executive Director
MEXT Technology Center
MESS (Turkish Employers' Association of Metal Industries)
İstanbul, Turkey

Panel Speaker IV

Turgut Çiçek
Quality & Manufacturing Engineering Director
TEI – TUSAŞ Engine Industries, Inc.
Eskişehir, Turkey

Panel Speaker V

Murat Ateş
Digital Transformation Director
Maxion Wheels Turkey Operations
İstanbul, Turkey

March 9, 2022 (Wednesday) - Session: 4:00 – 5:45 pm

4:00 – 5:45, WEDNESDAY

Optimization

Onsite Hilton Bomonti MR25A

Session Chair: Fernanda A. Ferreira, Applied Management Research Unit (UNIAG), Rua D. Sancho I, 981, 4480-876 Vila do Conde, Portugal

ID 063 Price-setting hotel competition with corporate social responsibility

Fernanda A. Ferreira and Flávio Ferreira, Polytechnic Institute of Porto, School of Hospitality and Tourism, Applied Management Research Unit (UNIAG), Rua D. Sancho I, 981, 4480-876 Vila do Conde, Portugal

ID 130 Imperfect Preventive Maintenance Planning Optimization for Leased Machines

Zied Hajej, Mohamed Ali Kammoun and Nidhal Rezg Laboratoire de Génie Informatique, de Production et de Maintenance (LGIPM), University of Lorraine, Metz, France

ID 410 Assessment of Logistics Operations Performance of Modjo Dry Port, Ethiopia

Meron Tamrat Assefa, Regional Operations Associate, United Nations Capital Development Fund, Addis Ababa, Ethiopia
Seid Mohamedbirhan Nuru Center for Supply Chain Improvement, University of Derby, U.K.

ID 504 MBKM Program, Village Community Learning By Using Good Physical Facilities in Semen Gandusari Village, Blitar

Sri Wiwoho Mudjanarko, M Ikhsan Setiawan, and Rizal Bahaswan, Departement of Civil Engineering, Narotama University, East Java, INDONESIA
Agus Sukoco, I Putu Artaya, Elok Damayanti, Tubagus Purworismiardi, Departement of Management, Narotama University, Surabaya, INDONESIA
Achmad Muchayan, Department of Information System, Narotama University, Surabaya, East Java, INDONESIA
Rofik Jalal Rosyanafi, Departement of Early Childhood Teacher Education, Narotama University, Surabaya, East Java, INDONESIA
Alfa Izza Ramadhani, Mesakh Yunanto, Student of Civil Engineering, Narotama University, Surabaya, East Java, INDONESIA
Agung Sihono, Semen Village Officials, Gandusari District, Blitar, East Java, INDONESIA

4:00 – 5:45, WEDNESDAY

Innovation and Sustainability

Onsite Hilton Bomonti MR25B

Session Chair: Banu Özkeser, R&D Center Manager, Koluman Otomotiv Endüstri A.Ş., Mersin, Turkey

ID 650 A New Method for Double-Bit Error Correction

Muhammad Sheikh Said, Bangladesh University of Engineering and Technology, Bangladesh

ID 656 Establishing autonomy of house ownership in low-income society by administering money saving

Kun Arsanti Dewi, Nurul Aini Sinta Dewi, Department of Housing and Settlement Areas, Magelang City, Magelang, Indonesia
Enccep Rukhiyat Marsadi, Communities Care for Housing and Settlements in Indonesia, Bandung, Indonesia
Handini Rahayu, Development Planning Agency at Sub-National Level, Magelang City, Magelang, Indonesia
Suyanto, Residential area, BPR Bank Magelang, Magelang, Indonesia
Budiyono, Department of Public Works and Spatial Planning Magelang City, Magelang, Indonesia

ID 658 Design and development of a Module-based EduKit for Teaching and Learning with PIC Microcontroller

Muhammad Sheikh Said, Bangladesh University of Engineering and Technology, Bangladesh

ID 675 Project Based Learning Approach in Automotive Engineering: Learning Experience from Innovation Course at Cukurova University

Banu Özkeser, R&D Center Manager, Koluman Otomotiv Endüstri A.Ş., Mersin, Turkey

ID 676 Innovation and Green Policy Integration Forms the Sustainability

Banu Özkeser, R&D Center Manager, Koluman Otomotiv Endüstri A.Ş., Mersin, Turkey

4:00 – 5:45, WEDNESDAY

Industry 4.0 / Industry Solutions II

Virtual Room 1

Session Chair: Dr. Saurabh Agrawal

4:00 – 4:20 pm (Wednesday, March 9)

Dr. Cemal Ardil
Professor
National Aviation Academy
Baku, Azerbaijan

4:20 – 4:40 pm (Wednesday, March 9)

Mr. Sarthak Sengupta (Ph.D. pursuing)
Senior Research Scholar and Teaching Assistant
Indian Institute of Information Technology
Allahabad, Prayagraj
Uttar Pradesh, India

4:40 – 5:00 pm (Wednesday, March 9)

Mamunur Rahman, PhD
Post Doctoral Fellow
Idaho National Laboratory

5:00 – 5:20 pm (Wednesday, March 9)

Dr. Saurabh Agrawal
BE(IIT,Roorkee), MTech(IIT, Delhi), MBA(OSU, USA), PhD(DTU, Delhi)
Associate Professor
Delhi School of Management
Delhi Technological University
Delhi, India

Title of his talk; "Role of Industry 4.0 in the area of Legal Informatics"

5:20 – 5:40 pm (Wednesday, March 9)

Noman Hussain
Founder
TRANSFORMability
Detroit, Michigan, USA

4:00 – 5:45, WEDNESDAY

Entrepreneurship / Innovation

Virtual Room 2

Session Chair: Maraya Ghassani Santoso, Industrial Engineering Department, Universitas Indonesia, Depok, Indonesia

ID 536 Usability Study on the Online Retail Platform of Local Pharmacies in the Philippines

Michaela Alyssa T. Aquino, Leonard Rasell S. Manlapas, Ashley Marie N. Margate, Piolo Miguel B. Rivera, and Josephine D. German, School of Industrial Engineering and Engineering Management, Mapúa University, Intramuros, Manila, Philippines

ID 022 Classification of Upcycled Fashion Product Modified Method

Christabel Annora Paramita Parung and Viviany Viviany, Fashion and Lifestyle Product Design, Faculty of Creative Industries, University of Surabaya, Surabaya, Indonesia

ID 030 Design Aspects of Two-Wheeler Hybrid Bike Technology for Sustainable Environment

Iqra Ramzan, Mechanical Engineering Department, University of Management and Technology, Lahore 54000, Pakistan
Asim Amjad, Department of Industrial Engineering and Management, University of the Punjab, Lahore 54000, Pakistan

ID 611 Impact of Fiber Orientation on the Mechanical Properties of Rice Straw-Glass Fiber Reinforced Polymer Composites

Md. Ariful Alam, Md. Rafiquzzaman and Radwan Ahmed Rahat, Department of Industrial Engineering and Management, Khulna University of Engineering & Technology, Khulna-9203, Bangladesh

ID 210 Multi-sensory experience: incorporating universal design principles into museums for the blind.

Shouaa AlRajeh, Associate Professor of Architecture Department, Faculty of Architecture and Design, Riyadh, KSA

ID 159 Strategies for Designing Intellectual Property-based Financing Business Process within The Creative Economy Sector: An Indonesian Context

Maraya Ghassani Santoso, Industrial Engineering Department, Universitas Indonesia, Depok, Indonesia
M. Dachyar and Rahmat Nurcahyo, Professor in Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 325 The influence of design decision making on the lifecycle of equipment

Ashwyn Errol Brown, Post Graduate School of Engineering Management, University of Johannesburg, Auckland Park, 2092, South Africa
Hannelie NelAssociate Professor, Post Graduate School of Engineering Management, University of Johannesburg, Auckland Park, 2092, South Africa

ID 580 Narotama 4.0, Impact of MBKM Implementation Policy on Student Perceptions Facing Era 4.0

Eman Setiawan, Achmad Muchayan, Department of Information System, Faculty of Engineering and Computer Science, Universitas Narotama Surabaya, Indonesia
Natalia Damastuti, Slamet Winardi, Cahyo Darujati, Computer System Department, Faculty of Engineering and Computer Science, Universitas Narotama, Surabaya, Indonesia
Latipah, Made Kamisutara, Informatic Engineering Department, Faculty of Engineering and Computer Science, Universitas Narotama, Surabaya, Indonesia

4:00 – 5:45, WEDNESDAY

Decision Sciences

Virtual Room 3

Session Chair: Ing. Johanna Trujillo Díaz, Escuela Colombiana de Ingeniería Julio Garavito, Bogotá, D.C., Colombia

ID 333 Advertising, Brand Image, E-Word Mouth and E-ServQual on Buying Decisions: Case of Shopee Products in Indonesia

Thania P. Dewi, John Tampil Purba and Sidik Budiono, Department of Management Faculty of Economics and Business, Universitas Pelita Harapan, Tangerang-15811, Indonesia

- ID 581 Analysis of Customer Characteristics for Customer Segmentation Classified by Share of Wallet: A Case Study of a Japanese Food Manufacturing Company**
Yurina Oku, Ayuko Komura, and Hirohisa Hirai, Department of Industrial Engineering and Management, Kanagawa University, Kanagawa, Japan
- ID 331 The Impact of Endorser on Social Media Engagement and Consumers' Purchase Intention: Case of Indonesian Footwear Brands**
Nisryna Nabyla Putri and Tasya Safira Putri Sadewo
Creative Marketing Program, Management Department, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia
Artha Sejati Ananda, Management Department, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia 11480
- ID 493 Village Community Service Program: An Opportunity to Implement Solar Power in Agricultural Tourism Development in Jombang**
Agus Sukoco, I Nyoman Sudapet, Elok Damayanti, Tubagus Purworusmiardi and Amrun Rosyid, Departement of Management, Narotama University, Surabaya, Indonesia
Muhammad Ikhsan Setiawan and Sri Wiwoho Mudjanarko, Departement of Civil Engineering, Narotama University, Surabaya, Indonesia
Achmad Muchayan, Department of Information System, Narotama University, Surabaya, Indonesia
Cholil Hasyim and Kuswanto, Universitas Darul Ulum Jombang
Mohd Idrus Mohd Masirin, Department of Civil Engineering FKAAB Universiti Tun Hussein Onn Malaysia, Indonesia
- ID 72 Wind Energy as Renewable Energy in West Java, Indonesia**
Fajar Prana, Master Student of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia
Rahmat Nurcahyo, Professor of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia
- ID 386 Witty Owl: A Product Design and Development Proposal for Improved Online Learning**
Rhea Antolihao, Sheila Mae Carungay, Denver Darell Jonatas, Lourdes Lasian and Earl Jerome Miranda, Department of Industrial Engineering, College of Engineering, Adamson University, Manila, Philippines
- ID 192 Establishing the Relationship Between PSS Concepts and Sustainability Parameters for FMCG Companies Using Modified QFD**
Eula Margareth Y. Jabilles and Richard C. Li, John Gokongwei Jr. College of Engineering, Industrial Engineering Department, De La Salle University, Manila, Philippines

4:00 – 5:45, WEDNESDAY**Engineering Management****Virtual Room 4**

Session Chair: Dr. Fethi Çalıřır, İstanbul Technical University, Turkey

- ID 619 Factors of Behavioral Intention and Use Behavior on Mutual Fund Mobile Applications in Indonesia: A Systematic Literature Review**
Sanah Saphira, Putri Bina Nusantara University, Indonesia
- ID 586 Factors that Influence Indonesian K-Pop Fans Willingness to Pay in Purchasing K-Pop Physical Album**
Jessica Irena, Marchell A. Putera, Tiffany, and Willy Gunadi, Business Management, Management Department, Binus Business School Master Program, Bina Nusantara University, Jakarta, Indonesia 11480
- ID 303 Faults Handling in Chilled Water System Maintenance Program**
Malek Almobarek and Kepa Mendibil, PhD Student, Department of Design, Manufacturing, and Engineering Management, Faculty of Engineering, University of Strathclyde, Glasgow, United Kingdom
Abdalla Alrashdan, Assistant Professor, College of Engineering, Alfaisal University, Riyadh, Kingdom of Saudi Arabia
- ID 463 Finding Faculty Dissatisfaction through Incivility, Commitment and Being Engaged**
Anita Maharani, Blended Learning Program, Management Departement, BINUS Business School Master Program, Bina Nusantara University
Jakarta, Indonesia
Dewi Tamara, Executive in Strategic Management Program, Management Departement, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia
Vini Mariane Vici, Fast Track Program, Management Departement, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia
- ID 401 Finding the best strategy to overcome the crisis, study case in the fashion business**
Dian Kurnianingrum, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia
Ricky Mariskuan, International Master of Business Administration. CYCU Business School, Chung Yuan Christian University, Taiwan, Zhongli District, Taoyuan City, Taiwan
- ID 612 Food Company Industry Manager's Perspective for Food Safety and Halal: Exploratory Study**
Melati Kurniawati^{1,2}, 1Department of Industrial and Systems Engineering, Institut Teknologi Sepuluh Nopember (ITS), Surabaya, Indonesia, 2Department of Industrial Engineering, Institut Teknologi Nasional Bandung (Itenas), Bandung, Indonesia
Patdono Suwignjo¹, Iwan Vanany¹, Bambang Syairudin¹, 1Department of Industrial and Systems Engineering, Institut Teknologi Sepuluh Nopember (ITS), Surabaya, Indonesia
- ID 407 Group Decision Making in Supply Chain Contracting**
Ümmühan Akbay, Iřık University, Özyeęin University
- ID 35 Development of an Airport Service Quality and Efficiency Tool: A Comparison Based on Passenger Perceptions During Pre-pandemic and Pandemic Operations**
Richard C. Li, Faculty of Industrial and Systems Engineering, Department of Industrial and Systems Engineering, De La Salle University - Manila
Manila, Philippines
Justin Christopher Javelosa, Endrei Clyne Mercullo, Julian Clement Tan and Trisha Lauren To Chip, Undergraduate Student – Industrial Engineering, Department of Industrial and Systems Engineering, De La Salle University – Manila, Manila, Philippines

4:00 – 5:45, WEDNESDAY**Supply Chain and Logisitcs****Virtual Room 5**

Session Chair: Dr. Naila Fares, Universitat Politècnica de València, Spain

- ID 679 An Investigation of Sustainable Procurement Framework in the UAE Public Education Sector**
Mahmoud Al Alawi, University of Derby, United Arab Emirates
- ID 369 Determine the Coordinate of Distribution Centre for Disaster Management Using Centre of Gravity**
Rienna Oktarina, Faculty Member of Industrial Engineering Department, Faculty of Engineering, Bina Nusantara University, Jakarta, Indonesia
Junita, Student of Industrial Engineering Department, Faculty of Engineering, Bina Nusantara University, Jakarta, Indonesia, 11480
- ID 167 Evaluating Factors Affecting the Leanness of Third-party Logistics Service Providers in Sri Lanka**
J.A.I.H. Jayasinghe, Chathumi Kavirathna, Suren Peter, Department of Industrial Management, University of Kelaniya

Dalugama, Sri Lanka

ID 244 Urban logistics and smart solutions: a proposal of a mixed transportation algorithm

Dr Sara AMAR, Liwa College of Technology, Abu Dhabi, UAE

ID 045 Development of an Agent-based Simulator for Digital Supply Chain Twins

Takahiro Ogura, Tazu Nomoto, Akihisa Tsujibe, Atsuki Kiuchi, Hitachi, Ltd. Research and Development Group, Production System Research Dept. Takahiro Ogura, School of Knowledge Science, Japan Advanced Institute of Science and Technology (JAIST)

ID 555 Development of Location-Allocation Model of Network Design for Battery Swapping Station and Battery Charging Station Facilities for E Trike and E-MotorcycleImam Bagus Wibisono, Undergraduate Program of Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Bekti Nugrahadi, Master Program of Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Wahyudi Sutopo³, Yuniaristanto⁴, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia**ID 560 Development of Supply Chain Network Design Model for Commercialization of Batik Waste Processing Equipment with Credit System**

Adinda Karunia Ciptaning Pragowoaji, Undergraduate Student of Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Jl. Ir. Sutami, 36A, Surakarta, Indonesia

Nasyita Vivi Amalia, Industrial Engineering Department, Faculty of Engineering, Universitas Primagraha, Serang, Banten, Indonesia

Wahyudi Sutopo³, Yuniaristanto⁴, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia**ID 881 Building Two Decade of Green Economy Research Theme Map for Sustainability Using a Bibliometric Approach**

Febby Candra Pratama and Agung Purnomo, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta 11480, Indonesia

Fairuz Iqbal Maulana, Computer Science Department, School of Computer Science, Bina Nusantara University, Jakarta 11480, Indonesia

4:00 – 5:45, WEDNESDAY**Case Studies****Virtual Room 6**

Session Chair: Dr. Mustafa Hekimoğlu, Kadir Has University, Turkey

ID 077 The Survey of Status Preventive Maintenance Implementation in Government-owned Laboratory in Indonesia

Ayu Erliza, Aziati Ridha Khairi, Maraya Ghassani Santoso, Trisha Amanda, Rahmat Nurcahyo, Industrial Engineering Department, Faculty of Engineering, Universitas Indonesia, Kampus UI, Depok, 16424, Indonesia

ID 362 Usability Evaluation and User Acceptance of Cobot: Case Study of Universal Robots CB Series.

Yada Sriviboon and Arisara Jiamsanguanwong, Department of Industrial Engineering, Chulalongkorn University, Bangkok, Thailand

ID 633 Understanding the International Students' Decision-making Processes to Join Indonesian Universities: Does Social Media Matter?

Andryan Setyadharna, Universitas Negeri Semarang, Indonesia

ID 674 University Analysis on Digital Construction Program: Implementation & Impact of Mbkm Internship in Construction & Infrastructure Industry at Narotama UniversityJulistyana Tistogondo, Farida Hardaningrum, Muhammad Ikhsan Setiawan, Sri Wiwoho Mudjanarko, Diah Ayu Restuti Wulandari, Ronny Durrotun Nasihien, Hendro Sutowijoyo, Adi Prawito, Department of Civil Engineering, Narotama University, Surabaya, Indonesia
Achmad Muchayan, Department of System Information, Narotama University, Surabaya, Indonesia
Tubagus Purworusmiardi, Department of Management, Narotama University, Surabaya, Indonesia
Cholil Hasyim and Kuswanto, Darul Ulum University, Jombang, Indonesia**ID 798 The Mediating Role of Work Engagement and Job Autonomy in the relationship between Transformational Leadership, Organization Support and Employee Performance in Mining Companies in Indonesia**Tomy Junaedy and Novriyadi, Graduate Students in Management, Bina Nusantara Business School, Bina Nusantara University, Jakarta, Indonesia
Nur Damayanti and Agustian Budi Prasetya, Lecturer in Management, Bina Nusantara Business School, Bina Nusantara University, Jakarta, Indonesia**ID 620 The United Nations Global Compact: An Institutional Approach For Environmental Principles Based On Participants In Turkey**

Tuğba Usta, Beykent University, Istanbul, Türkiye

Yıldız Yılmaz Güzey, Full Professor, Faculty of Economics and Business Administration Sciences, Business Administration (EN), Beykent University, Istanbul, Türkiye

ID 005 The use of Gravitational law to assess urban balance: the case of Makkah region in Saudi ArabiaAmani Derbali, Salma Dwidar, Amal Abbas, Hala Sirror, Donia Abdelgawad, Architecture Dept., College of Architecture & Design, Prince Sultan University, Riyadh, KSA
Abdallah Farhi, Full Professor, Dean, University of Mohamed Khedhir Biskra Algeria**ID 323 Third-Party Online Food Delivery vs Silo Fast-Food Restaurant Application, Which One Will Sustain in Greater Jakarta?**

Elizabeth Angeline, Alex, Geraldine Stefie Carolina Tando, and Yohannes Kurniawan, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia

ID 231 Synergistic Public transport and Urban Environment systems Toward SDGs agenda Achievement; time series prediction approachAya Hasan AlKhereibi 1,2, Murat Kucukvar 2, Tadesse G. Wakjira 3, Nuri C. Onat 1
1 Qatar Transportation and Traffic Safety Center, College of Engineering, Qatar University, Doha, Qatar
2 Mechanical and Industrial Engineering, College of Engineering, Qatar University, Doha, Qatar
3 Civil and Architectural Engineering, College of Engineering, Qatar University, Doha, Qatar**March 9, 2022 (Wednesday) - Session: 6:00 – 7:45 pm****6:00 – 7:45 pm, WEDNESDAY****Industry Solutions III****Virtual Room 1**

Session Chair: Christopher Cox, Western Carolina University, Cullowhee, North Carolina USA

6:00 – 6:20 pm (Wednesday, March 9)

Hossein Ali – Taghi Tehrani, Ph.D.

Planning and Development Director Deputy, DAY Tejarat Electronic Co. Affiliated to DAY Bank, Iran

Managing Director and Member of the Board, Iranian Tourism, Cultural Heritage and Hand crafts Cooperation
 Managing Director of Tamin Ejtemaie International Trading Co.
 Managing Director of KISH Science and Technology Institute
 Managing Director of Delta Noavaran Investment and civil Construction Co.
 Director of International Affairs, Center for Strategic Research

6:20 – 6:40 pm (Wednesday, March 9)

Emad Zarghami
 Head of Planning Policy making of Physical Asset Management System
 National Iranian Gas Company

The integrity approach of physical asset management systems in ISO 55000 standard

6:40 – 7:00 pm (Wednesday, March 9)

Dr. Ahmed J. Obaid
 Assistant Professor
 Department of Computer Science
 Faculty of Computer Science and Mathematics
 University of Kufa
 Iraq

7:00 – 7:20 pm (Wednesday, March 9)

Dr. Daw Alwerfalli
 Professor and Director of Master of Engineering Management Program
 A. Leon Linton Department of Mechanical Engineering
 College of Engineering
 Lawrence Technological University
 Southfield, Michigan, USA

Ms. Iman Youssef, MA. ILC. CA
 Ph.D., Candidate, California Intercontinental University, California, USA
 CEO, Amour Fragrances
 CEO, Best Canadian Liquidation (BCL)
 LaSalle, Ontario, Canada

Dr. Karen Sturtevant
 CEO of Sturtevant & Associates, LLC
 Professor and Dean of Doctorate Studies
 California Intercontinental University
 California, USA

ID 854 Development of Quality Management Systems (QMS) for a Small Manufacturing Company

Iman M. Youssef, Ph.D., Candidate, California Intercontinental University, California, USA
 Dr. Karen Sturtevant, CEO of Sturtevant & Associates, LLC, Professor, California Intercontinental University, California, USA
 Dr. Daw Alwerfalli, Professor / Director of MEM, Lawrence Technological University, Southfield, Michigan, USA

7:20 – 7:40 pm (Wednesday, March 9)

Dr. Christopher Cox
 Assistant Professor
 Kimmel School of Construction Management
 Faculty of College of Engineering and Technology
 Western Carolina University
 Cullowhee, North Carolina USA

ID 44 Project Management Challenges in a 'Projectified' World

Christopher Cox, Assistant Professor Kimmel School of Construction Management, Faculty of College of Engineering and Technology
 Western Carolina University, Cullowhee, North Carolina USA

7:40 pm, Wednesday, March 9

Shelia Harden
 CEO / Principal Consultant
 GSHA Quality Services
 Ann Arbor, Michigan, USA

6:00 – 7:45 pm, WEDNESDAY

Operations Research

Virtual Room 2

Session Chair: Dr. Funda Samanlıoğlu, Kadir Has University, Turkey

ID 246 A Comparative Study of Cognitive Factors Affecting Social Distancing Among Vaccinated and Unvaccinated Filipinos Belara. Emmanuel Carlo, Dela Merced, Albert John, Dominguez, Mark Anthony, Erasga, Diomari, Ferrer, Jerome, Ombrog, Bernard, College of Engineering and Architecture, Industrial Engineering Department

ID 659 Evaluating Company X's Product Mix and Product Size to Maximize Profit

Dr. Sobhi Mejjaoui, Department of Industrial Engineering Alfaisal University, Al Takhassousi, Al Zahrawi Street, Riyadh, Saudi Arabia
 Alanoud AlSabhan, Haifa AlShathry and Rima AlEisa, Department of Industrial Engineering Alfaisal University, Al Takhassousi, Al Zahrawi Street, Riyadh, Saudi Arabia

ID 139 Game Over: An Application of Customer Churn Prediction using Survival Analysis Modelling in Automobile Insurance

Joshua James A. Bravante, School of Information Technology, Mapua University, Intramuros, Manila City, Philippines
 Rex Aurelius C. Robielos, School of Industrial Engineering and Engineering Management, Mapua University, Intramuros, Manila, Philippines

ID 342 Model Selection Measures for Orienteering with Stochastic Profits

Fahrettin Çakır, Assistant Professor of Management Science, Faculty of Business and Management Sciences, Istanbul Sabahattin Zaim University, Istanbul, Turkey

ID 663 Modeling to Maximize MENNA's Profit Case Study

Dr. Sobhi Mejjaoui, Assistant Professor of Industrial Engineering, College of Engineering, Alfaisal University, Riyadh, Saudi Arabia
Dana Altheeb, Haifa Albahli, Alfaisal University, Riyadh, Saudi Arabia

ID 227 Reliability analysis of a two-product production inventory system

VSS Yadavalli, Full Professor of Industrial & Systems Engineering, University of Pretoria, 0002 Pretoria, South Africa
S Udayabaskaran, Full Professor of Mathematics, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, India
Sridhar Akiri, Department of Mathematics, GITAM Institute of Science, GITAM Deemed to be University, Rushikonda, Visakhapatnam, Andhra Pradesh, 530045, India

ID 012 Solution Method for a Max-min-plus Scaling Scheduling Problem by Formula Manipulation

Kyohei Sagawa, Faculty of Information & Management Systems Engineering, Nagaoka University of Technology, Nagaoka, Niigata, Japan
Hiroyuki Goto, Department of Industrial & Systems Engineering, Hosei University, Koganei, Tokyo, Japan
Yoichi Shimakawa, Department of Computer Science & Technology, Salesian Polytechnic, Tokyo, Japan

ID 011 Spatial-Temporal Coverage Planning for Universal Infrastructure Services

Hiroyuki Goto, Department of Industrial and Systems Engineering, Hosei University, Koganei, Tokyo, Japan
Taiki Otsuka, Faculty of Business Design and Informatics, Tsukuba Gakuin University, Tsukuba, Ibaraki, Japan
Yoichi Shimakawa, Department of Computer Science and Technology, Salesian Polytechnic, Machida, Tokyo, Japan

ID 053 Using Data Envelopment Analysis to Measure the Efficiencies of Saskatchewan's Health Regions during the COVID-19 Pandemic

Shashi Shahi, Continuing Lecturer, Faculty of Natural Resource Management, Lakehead University, Thunder Bay, Ontario, Canada
Eman Almehdawe, Associate Professor of Operations Research, Faculty of Business Administration, University of Regina, Regina, Saskatchewan, Canada

6:00 – 7:45 pm, WEDNESDAY**IT****Virtual Room 3**

Session Chair: Abdulrahman Bin Faisal University (IAU) Dammam, Saudi Arabia

ID 359 CLIQUE: A Web-Based Queue Management System with Real-Time Queue Tracking and Notification of Units for Angeles University Foundation Office of the University Registrar

Marc Lester Z. Mallari, Joshua S. Guintu, Yoben C. Magalong, and Daisy S. Yap, College of Computer Studies, Angeles University Foundation Angeles City, Philippines

ID 109 Designing a Chatbot-enhanced Ordering Process: A Case Study for Online Second-Hand Retail in the Philippines

Eula Margaret Y. Jabilles and Ronaldo V. Polancos, John Gokongwei Jr. College of Engineering, Industrial Engineering Department, De La Salle University Manila, Philippines

ID 128 Development of Multiple Server Monitoring and Administration System

Sihabul Islam, Bangladesh University of Engineering and Technology, Bangladesh

ID 404 Effectiveness of E-Learning from a Student's Perspective: With the Theory of Planned Behavior Approach

Nazaruddin, Khairunnisa, and Juliza Hidayati, Faculty of Engineering, Universitas Sumatera Utara, Jl. Almamater Kampus USU, Medan 20155

ID 607 Examination Scheduling System for Mapua University

John Joseph N. Pradas, Bley Christian O. Servaz, and John Emmanuel A. Sergio, School of Information Technology, Mapua University, Makati, Philippines

ID 136 Eye-tracking in the study of attentional bias in posttraumatic stress disorder: A systematic literature review

Andrea Barrera, Grupo de Neurociencias, Universidad del Azuay, Cuenca, Ecuador
Patricia Ortega, Grupo de Neurociencias and Escuela de Ciencias de la Computación, Universidad del Azuay, Cuenca, Ecuador
Omar Alvarado, Grupo de Neurociencias and Escuela de Ingeniería Electrónica, Universidad del Azuay, Cuenca, Ecuador
Martha Cobos, Grupo de Neurociencias, Universidad del Azuay, Cuenca, Ecuador

ID 265 Horace: A Digital Classroom Management Software for Computer Laboratories

Zehrei Verj Morales, Patricia Marie Baluyut, Rainier Timbol and Dr. Lilibeth T. Cuison, Information Technology, College of Computer Science Angeles University Foundation, MacArthur Hwy, Angeles, 2009 Pampanga

ID 672 HydroPump: Arduino Based Automatic Plant Sprinkler System with Android Application

Raphael Lorenzo Cruz, Ian Christian Cano, Hendrick Paul Yu, Joshua Fer De Guzman, College of Computer Studies, Angeles University Foundation, Angeles City, Pampanga, Philippines
Benedict Guarin, Adviser, College of Computer Studies, Angeles University Foundation, Angeles City, Pampanga, Philippines

6:00 – 7:45 pm, WEDNESDAY**Business Management****Virtual Room 4**

Session Chair: Prof. Dr. Aşkiner Güngör

ID 573 How Social Support Affects Work-life Balance? A Post Covid-19 Pandemic Prediction

Enny Soeharto, Anita Maharani, Ratih Dewi Febrianti and Lenny Sri Wahyuni, Binus Business School, Master Program, Bina Nusantara University, Jakarta, Indonesia

ID 600 Implementation & Impact Of MBKM Digital Entrepreneurs Narotama University

I Nyoman Sudapet, Agus Sukoco, Elok Damayanti, I Putu Artaya, Ani Wulandari, Tubagus Purworusmiardi, Department of Management Narotama University, Surabaya, Indonesia
Muhammad Ikhsan Setiawan and Sri Wiwoho Mudjanarko, Department Civil Engineering, Narotama University, Surabaya, Indonesia
Achmad Muchayan, Information System Program Study, Narotama University, Surabaya, Indonesia

ID 051 Implementation of Maintenance Management at Manufacturing Industry: A Survey of Maintenance Characteristics

Fahmi Ramadhan Putra, Annisa Khairani, Asrie Permata Dini, Desi Triyana, Rahmat Nurcahyo, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 189 Implementation of Mosque Maintenance Management in Jakarta Region: Result of Pilot Survey

Hafidz Akbar Halim and Muhammad Habiburrahman, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia Depok, Indonesia

ID 103 Implementation of Mosque Maintenance Management in Jakarta Region: Result of Pilot Survey

Hafidz Akbar Halim and Muhammad Habiburrahman, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 101 Improving Firm Performance Through Knowledge Management And Open Innovation

Dicky Hida Syahchari, Maria Grace Herlina, Management Department, Binus Business School, Bina Nusantara University, Jakarta, Indonesia

ID 460 Environmental Impact Assessment for an Optometry Manufacturing Industry

M. M. Manyuchi and N. Sukdeo, Department of Operations and Quality Management, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa

6:00 – 7:45 pm, WEDNESDAY**SCM****Virtual Room 5**

Session Chair: Prof.Dr. Adil Baykasoğlu

ID 302 Impact of Halal Certification on Peanut Pie Supply Chain Performance

Dini Wahyuni, Ph.D Student at Department of Industrial Engineering, Faculty of Engineering, Universitas Sumatera Utara, Medan, Indonesia
Nazaruddin, Department of Industrial Engineering, Faculty of Engineering, Universitas Sumatera Utara, Medan, Indonesia
Irwan Budiman, Department of Industrial Engineering, Faculty of Technology and Computer Sciences, Universitas Prima Indonesia, Medan, Indonesia
Rahel Ulina Pangaribuan, Department of Industrial Engineering, Faculty of Engineering, Universitas Sumatera Utara, Medan, Indonesia

ID 523 Implementation of the Trend Line Analysis Method on Newspaper Demand in the Digitalization Era: A Case Study

Hani Aninda Intan P, Muhammad Raihan Syaifudin, Safira Nariiswari, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
Nida An Khofiyah, Industrial Engineering Department, Faculty of Engineering, Universitas Pelita Bangsa, Cikarang, Indonesia
Wahyudi Sutopo3, Yuniaristanto4, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 396 Improving Firm Performance through Supply Chain Adaptability and Resilience: Service-Blockchain Based View

Darjat Sudrajat, Engkos Achmad Kuncoro and Hardijanto Saroso, Associate Professor, BINUS Business School Undergraduate Program
BINUS University, Jakarta, Indonesia
Anisa Larasati, Lecturer, BINUS Business School Undergraduate Program, BINUS University, Jakarta, Indonesia
Andre Kreie, Director Logistics Education – LEED, Kuehne Foundation, Switzerland

ID 565 Lesson Learned a Global Business Strategy in Electronic Book Reader: A Comparative Study

Alifah Dian Rahmania, Master Program of Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Wahyudi Sutopo1,2, 1)University Centre of Excellence for Electrical Energy Storage Technology, 2)Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
Muhammad Hisjam, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Silvi Istiqomah, Industrial Engineering Department, Faculty of Engineering, Universitas Mahakarya Asia, Surakarta, Indonesia

ID 562 Lesson Learned in Developing and Implementation a Global Business Strategy in Agriculture Companies: A Comparative Study

Andrian Listyo Kawuri, Master Program of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Wahyudi Sutopo, University Centre of Excellence For Electrical Energy Storage Technology, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
Muhammad Hisjam, Department of Industrial Engineering, Sebelas Maret University, Surakarta, 57126, Indonesia
Silvi Istiqomah, Industrial Engineering Department, Faculty of Engineering, Universitas Mahakarya Asia, Surakarta, Indonesia

ID 643 Optimal Supply Chain Networks Under Failure Risks Using Meta-Heuristic Algorithms

Abdulhadi Altherwi, Department of Industrial Engineering, Jazan University, Jazan, Saudi Arabia
Daw Alwerfalli, A Leon Linton Department of Mechanical Engineering, Lawrence Technological University, Southfield, MI 48075, USA
William Edwards, Department of Industrial & Systems Engineering, Oakland University, Rochester, MI 48309, USA

ID 572 Optimization Supply Chain Network Design for Bioreactor: A Case Study in Jakenan Pati

Bukhori Muslim1,2, 1)Master Program of Industrial Engineering Department, Faculty of Engineering, Sebelas Maret University, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
57126, 2)Department of Trade and Industry, Government of Pati Regency, Central Java Province Jl. Raya Pati-Kudus No. Km. 4, Margorejo, Margorejo, Districts, Pati Regency, Central Java 59163
Wahyudi Sutopo1,2, 1)University Center of Excellence for Electrical Energy Storage Technology, 2)Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Sebelas Maret University, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia
Muhammad Hisjam, Laboratory of Logistics System and Business, Department of Industrial Engineering, Faculty of Engineering, Eleven Maret University, Surakarta, Indonesia
Bobby Kurniawan, Department of Industrial Engineering, University of Sultan Ageng Tirtayasa

ID 202 Conceptual Model For Warehouse Performance Improvement In 3PL Industry

P.I.E. Kodituwakku, Annista Wijayanayake, Chathumi Kavirathna, Department of Industrial Management, Faculty of Science, University of Kelaniya, Kelaniya, Sri Lanka

6:00 – 7:45 pm, WEDNESDAY**Engineering Education****Virtual Room 6**

Session Chair: Wahyudi Sutopo, Universitas Sebelas Maret (UNS), Surakarta, Indonesia

ID 1068 Using Augmented Reality to Learn English for Children

Heliza Rahmania Hatta and Muhammad Hakim, Department of Informatics, Faculty of Engineering, Mulawarman University, Samarinda, Indonesia.
Septya Maharani, Dyna Marisa Khairina, and Hario Jati Setyadi, Department of Information Systems, Faculty of Engineering, Mulawarman University, Samarinda, Indonesia

ID 1069 Addressing Computational Thinking Needs' of Visually Impaired Children

Mey Tias Andry Pamungkas, Cucuk Wawan Budiyanto, and Suharno, Vocational Teacher Education, Faculty of Teacher Training and Education, Universitas Sebelas Maret, Surakarta, Indonesia

ID 1070 Evaluation of Mobile-based Learning Media Application for Python Programming Learning

Fadilla Shinta Devi, Puspanda Hatta, and Rosihan Ariyuana, Department of Informatics Education, The Faculty of Teacher Training and Education, Universitas Sebelas Maret, Surakarta, Indonesia

ID 1071 System Detection Ripeness of Fresh Fruits Bunch Palm Oil with YOLOv4

Ahmad Sopian, Student in Computer Science, Faculty of Math and Sciences, IPB University, Bogor, Indonesia
Kudang Boro Seminar, Professor in Mechanical & Biosystem Engineer, Faculty of Agriculture and Technology IPB University, Bogor, Indonesia
Sudrajat, Profesor in Agronomy and Horticulture, Faculty of Agriculture, IPB University, Bogor, Indonesia

ID 1072 Developing Self-Assessment Research Competency Instruments for Prospective Building Engineering Teachers

Sri Sumarni, Faculty of Teacher Training and Education, Universitas Sebelas Maret, Surakarta, Indonesia
Muhammad Akhyar, Faculty of Teacher Training and Education, Universitas Sebelas Maret, Surakarta, Indonesia
Muhammad Nizam Department of Electrical Engineering, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia

Herry Widayastono, Faculty of Teacher Training and Education, Universitas Sebelas Maret, Surakarta, Indonesia

ID 1073 Local Adaptive Curriculum Model (LACM) as An Alternative to Address Competency Gap Between Vocational School Graduates and Industry
Mustafa, Doctoral Program of Information System, School of Postgraduate Studies, Diponegoro University, Semarang, Indonesia
Adian Fatchur Rochim and Oky Dwi Nurhayati, Departement of Computer Engineering, Diponegoro University, Semarang, Indonesia

ID 1074 The Influence of Replacement of Fine Aggregates with Slag Waste on Content Weight and Compressive Strength in Paving Block
Sukatiman, Ida Nugroho Saputro, and Ma'ruf Mahmudi, Departement of Civil Engineering Education, Sebelas Maret University, Surakarta, Indonesia

March 9, 2022 (Wednesday) - Session: 8:00 – 9:45 pm

8:00 – 9:45 pm, WEDNESDAY

Industry Solutions and Industry 4.0 – IV

Virtual Room 1

Session Chair: Mehran Doulat

Ts. Dr. Mehran Doulat
Associate Researcher & Professor
MBA Centre
Xiamen University, Malaysia Campus
Centre for Organisational Excellence Research (COER), Massey University, New Zealand
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Director for Canadian Institute of Organizational Excellence (CIOE) Inc.
Calgary, Canada

Ali Amjadi
Safety Manager at Arya Sasol Polymer Company
Port City of Assaluyeh
Southwestern Bushehr Province
Iran

March 10, 2022 (Thursday)

March 10, 2022 (Thursday) - Session: 6:00 – 7:45 am

6:00 – 7:45 am, THURSDAY

Optimization

Virtual Room 2

Session Chair: Prof. Dr. Zerrin Aladağ

ID 970 Project Management Methodologies Success Factors Evaluation Employing Intuitionistic Fuzzy Cognitive Map Method
Mehtap Dursun, Full Professor of Industrial Engineering Decision Analysis Application and Research Center Faculty of Engineering and Technology Galatasaray University Istanbul, Turkey
Hakan Mutlu, PhD student in Industrial Engineering Faculty of Engineering and Technology Galatasaray University Istanbul, Turkey
Nazlı Goker, PhD in Industrial Engineering, Faculty of Engineering and Technology Galatasaray University Istanbul, Turkey

ID 908 Energy Efficient Ceramic Sanitaryware Production Planning with a Hybrid Simulation Optimization Method Emre Doğru, Nilgun Fescioglu-Unver,
Department of Industrial Engineering TOBB University of Economics and Technology Ankara, Turkey

ID 947 Credibility Determination Model for News Sources in Twitter
S.R.R. Weerakoon, P.P.G.D. Asanka and J. Wijayanayake, Department of Industrial Management Faculty of Science University of Kelaniya Dalugama, Sri Lanka

ID 964 Improved NRTL interaction parameters for Vapor liquid Equilibrium using Genetic Algorithm
Nardjess Bounab, Abdeslam Hassen Meniai, Laboratoire de l'Ingénierie des Procédés d'Environnement (LIPE) Full Professor of Industrial Engineering Faculté de Génie des Procédés Université Constantine 3, Constantine 25000, Algérie

ID 978 Adding Relations with Long Communication Lengths between the Top and K Members of the Same Level in a Pyramid Organization Structure of a Complete K-ary Tree
Kiyoshi Sawada, Department of Economic Information University of Marketing and Distribution Sciences Kobe, Japan

ID 1016 Novel Algorithm for Tracking Lost or Stolen Vehicle
Ali AlArjani, Department of Industrial Engineering, College of Engineering Prince Sattam Bin Abdulaziz University AlKharj 16273, Saudi Arabia

ID 1019 The Effect Of Optimizers On Siamese Neural Network Performance
Farah F. Alkhalid, Control and Systems Engineering, University of Technology, Baghdad, Iraq

6:00 – 7:45 am, THURSDAY**Business Management****Virtual Room 3**

Session Chair:

ID 1008 Exploring the Serial Mediation of Mobile App Engagement and Self Brand Connection in the Relationship between Brand Experience and Loyalty towards Brand
Muhammad Faisal, PMAS-Arid Agriculture University, Rawalpindi, Pakistan

ID 1009 Automatic Agile Transformation With Approach by Modeling from BPMN Collaboration Diagram Model to UML Use Case
Ouzayr Rabhi, MATSI Laboratory, EST Mohammed First University, Oujda, Morocco
Ibtissam Arrassen, Laboratory for Computer Science Research Faculty of Sciences Mohammed First University, Oujda, Morocco
Mohammed Erramdani, Department of Management, EST Mohammed First University, Oujda, Morocco.

ID 1011 The Impact of User Experience on social media to communicate in relation to the other ethnic: A Field Experiment UiTM Student
Jamson Siallagan, Character Building Development Center, Information Engineering Department, School of Information Engineering, Bina Nusantara University, Jakarta, Indonesia 11480
Agus Masrukin, Character Building Development Center, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia 11480

ID 1013 HR Digitalization as a Critical HR practice to Navigate through Covid-19 for the Improvement of the Employee Job Performance: Review Paper
Ahmed Saleh Ahmed Saif Al-Shameri, PhD Student Faculty of Technology Management and Business Universiti Tun Hussein Onn Malaysia Johor, Malaysia
Siti Sarah Binti Omar, Senior Lecturer Head of Department Faculty of Technology Management and Business Universiti Tun Hussein Onn Malaysia Johor, Malaysia

ID 1015 Measuring Food Quality and Safety for Food Security Related Assessments: A Microscopic Review
Suhila Zaffer, Muna Al-Obadi, Rania M. Ibrahim, Khalifa N. Al-Khalifa, Mechanical and Industrial Engineering Department College of Engineering, Qatar University Doha, Qatar

ID 452 The Development of Several Methods in Performance Measurement in Industrial and Business Management Systems
Lina Gozali, Agustinus Purna Irawan, Hetty Karunia Tunjungsari, Caroline De Candra, and Vivian Lim, Department of Industrial Engineering, Faculty of Engineering, Universitas Tarumanagara, S. Parman Street Number 1, Jakarta 11440, Indonesia
Teuku Yuri M. Zagloel, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, UI Depok Campus, Indonesia
Maslin Masrom and Habibah Norehan Haron, Razak Faculty of Technology and Informatics, Malaysian Technology University, Sultan Yahya Petra Street, Kuala Lumpur 54100, Malaysia
Benny Tjahjono, Centre for Business in Society, Coventry University, Priory St, Coventry CV1 5FB, United Kingdom
Docki Saraswati, Department of Industrial Engineering, Universitas Trisakti, Jl. Kiai Tapa no: 1. Jakarta, Indonesia 1440
Ahad Ali, Industrial Engineering Program, Lawrence Technological University, Southfield, Michigan 48076, USA
Jose Arturo Garza-Reyes, Head of The Centre for Supply Chain Improvement, University of Derby, UK
Ariawan Gunadi, Universitas Tarumanagara, S. Parman Street Number 1, Jakarta 11440, Indonesia

6:00 – 7:45 am, THURSDAY**Continuous Improvement****Virtual Room 4**

Session Chair: Nur'aini Inayah, Sebelas Maret University, Surakarta, Indonesia

ID 1034 Identify the Key Success Factors and Enabling Strategies for Successful Blockchain Implementation in Supply Chain
Saranya Muthuraj, MBA-MS Student, Amrita School of Business, Amrita Vishwa Vidyapeetham University, Bengaluru, India
Shekar Babu PhD, Professor & Founding Head, Amrita Vishwa Vidyapeetham University, Bengaluru, India
Shijith Kumar PM, Assistant Professor, SolBridge International School of Business, Woosong University, Daejeon, South Korea

ID 1035 Impact on Employee Engagement due to Covid-19 in India
Nitu Bharti, Research Associate, MBA in Human Resource and Finance, Bengaluru, India
Shekar Babu PhD, Professor & Founding Head, Amrita Vishwa Vidyapeetham University, Bengaluru, India

ID 1036 Surface Engineering via Microstructure Transformation in Machining of Aluminum
Sepideh Abolghasem, Industrial Engineering Department, University of los Andes, Bogotá, Colombia
Luis Felipe Hernandez, Mechanical Engineering Department, University of los Andes, Bogotá, Colombia

ID 1040 Analysis of governance principles in the legislative frameworks for Low-income housing development in South Africa
Nana ZD Mhlongo, PhD Candidate in Engineering Management, Faculty of Engineering and Built Environment, University of Johannesburg, Johannesburg, South Africa
Trynos Gumbo, Head of Department and Associate Professor, University of Johannesburg, Department of Urban and Regional planning, Office 6062, Sixth Floor, John Orr Building, Beit and Siemert Street, 2028. Johannesburg, South Africa
Innocent Musonda, Associate Professor – Construction Management, Director: Centre for Applied Research + Innovation in the Built Environment (CARINBE), Leader: ESKOM's EPPEI Specialization Centre, University of Johannesburg, John Orr Building, Doornfontein Campus

ID 1041 Lean Management: Reducing Complexity towards Improving Process Flow Using Arena Simulation in IR4.0
Ahmad Nur Aizat Ahmad, Md Fauzi Ahmad, Norhadilah Abdul Hamid, Nor Aziati Abdul Hamid, Lee Tee Chuan, Gusman Nawani, Adnan Bakri, and Mustaqqim Abdul Rahim, Department of Production and Operations Management, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia, 86400 Batu Pahat Johor, Malaysia

ID 1029 Masculinity Representation of BTS Fans through Instagram Social Media
Nur'aini Inayah, Aris Arif Mundayat, Yuyun Sunesti, Master of Sociology, Sebelas Maret University, Surakarta, Indonesia

6:00 – 7:45 am, THURSDAY**Business Analytics****Virtual Room 5**

Session Chair: Momy A. Hunowu, Department of Sociology, State Islamic University of Sultan Amai, Gorontalo, Indonesia

ID 1023 Virtual Tour "Batik Tiga Negeri" as Innovation of Tourism Sustainability During the Outbreak of Covid-19 in Lasem, Rembang, Central Java
Prisca Kiki Wulandari, Student of National Resilience Science Doctorate Program, University of Gadjah Mada and Lecturer at University of Brawijaya Indonesia

M. Baiquni, Geography Department, University of Gadjah Mada, Indonesia
 Ahmad Zubaidi, Philosophy Department, University of Gadjah Mada, Indonesia

ID 1024 Transnationalism of Sebatik Island Malaysia-Indonesia: A Regional Economic Integration Perspective

Sandy Nur Ikfal Raharjo, Research Center for Politics, National Research and Innovation Agency (BRIN), Jakarta, Indonesia
 Abdul Rahim Anuar, Institute for Indonesia, Thailand and Singapore (UUMITS), Universiti Utara Malaysia, Kedah, Malaysia

ID 1025 The Role Of Religious Leaders In HIV Aids Prevention And Management In Malang City

Titi Fitrianita and Ucca Arawindha, Department of Sociology, Faculty of Social and Political Sciences, Universitas Brawijaya, Malang, Indonesia

ID 1026 Revisiting Indonesian Youth Nationalism in the Indonesia-Malaysia Borderland

Addin Kurnia Putri, Department of Sociology, Universitas Sebelas Maret, Surakarta, Indonesia
 Ignatius Agung Satyawan, Department of International Relations, Universitas Sebelas Maret, Surakarta, Indonesia

ID 1027 Political Aims: Patronage Practices In The 2019 Legislative Election In South Sumatra

Ridhah Taqwa, Department of Sociology, University of Sriwijaya, Palembang Indonesia
 Zulfikri Suleman, Department of International Relations, University of Sriwijaya, Palembang Indonesia

ID 1028 MOPO'A HUTA RITUAL; The Resistance of Maize Peasants toward Agropolitan Program

Momy A. Hunowu, Department of Sociology, State Islamic University of Sultan Amai, Gorontalo, Indonesia
 Munsil Lampe, Nurul Ilmi Idrus, and Safriadi, Department of Anthropology, Hassanuddin University, Makassar, Indonesia

ID 289 A review of subscription-based service features set as security controls

Acuña, Gabriel Edrick O., Alvarez, Luis Antonio Z., Funilas, John Ramil F., Laurena, Luis Rafael V., Odicita, Joshua Millard N., Bernardo, Ronald and Blancaflor, Eric B., School of Information Technology, Mapua University, Philippines

6:00 – 7:45 am, THURSDAY

Service Engineering

Virtual Room 6

Session Chair: Rozali Toyib, Universitas Muhammadiyah, Bengkulu, Indonesia

ID 748 Effect of Product Rating and Product Sold On Purchase Intention, Consumer Confidence, and Perceived Risk In Online Marketplace

Rahmatiar Chandra Rachim, Business Management, BINUS Business School, Indonesia
 Yokogiri A.V. Simanjuntak, Business Management, BINUS Business School, Indonesia
 Primidya K. Miranda Soesilo, Business Management & Marketing Program, BINUS Business School, BINUS Business School International Master Program – JWC Campus, Indonesia

ID 840 Service Recovery in Online Travel Agencies During COVID-19 Pandemic

Marcella Stephanie Lawu, Imam Santoso, Raden Mas Asbudiutomo, and Willy Gunadi, Binus Business School Master Program, Faculty of Business Management, Bina Nusantara University, Jakarta, Indonesia

ID 844 The Role of Digital Customer Experience and Relationship Quality to Customer Loyalty in Food Delivery Application

Asnan Furinto 1, Dewi Tamara 2, Eva Lie Hwa 3, Evy Evianti Kriswandhi 4, Hamina Ali 5
 1 Doctoral Research Management, Bina Nusantara University. Jalan Hang Lekir I no 6, Jakarta 10270,
 2,3,4,5 Executive in Strategic Management, Bina Nusantara University, Jalan Hang Lekir I no 6, Jakarta 10270, Indonesia.

ID 705 Hybrid Learning Model for Elementary School in Pandemic

Inayatulloh, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia 11480
 Siti Elda Hiererra, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia 11480
 Sugeng Riyanto, STIE Pertiwi, Bekasi, Indonesia
 Destiana Kumala, Sekolah Tinggi Ekonomi Bisnis Islam Syariah Bina Mandiri, Jakarta, Indonesia 11480
 Rivaldhy N. Muhammad, Study Program of Law, Faculty of Law, Social and Political Sciences, Open University, Indonesia
 Rofiq Noorman Haryadi, Sekolah Tinggi Ekonomi Bisnis Islam Syariah Bina Mandiri, Jakarta, Indonesia 11480

ID 849 The Impact of User Experience on social media to communicate in relation to the other ethnic: A Field Experiment UiTM Student

Agus Masrukhin, Character Building Development Center, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia 11480

ID 817 The Influence of Public Opinion on Indonesia's Foreign Policy-Making Process: A Case Study of the Jakarta Bandung High-Speed Rail Project 2008-2015

Farid Ramadhony, Fakultas Ilmu Sosial dan Ilmu Politik, Universitas Prof. DR. Moestopo (Beragama), Jakarta, Indonesia

ID 729 E-learning Model for Blind Disabilities with Text to Speech using NLP

Inayatulloh, Information Systems Department, School of Information system, Bina Nusantara University Jakarta, Indonesia
 Ade Fadli Fachrul, Dirosat Islamiyah High School of Da'wah Al Hikmah, Jakarta, Indonesia
 Sugeng Riyanto, STIE Pertiwi, Bekasi, Indonesia
 Rozali Toyib, Universitas Muhammadiyah, Bengkulu, Indonesia
 Rivaldhy N. Muhammad, Study Program of Law, Faculty of Law, Social and Political Sciences, Open University, Indonesia
 Elvia Puspa Dewi, STIE IGI, Jakarta, Indonesia

March 10, 2022 (Thursday) - Session: 8:00 – 9:30 am

8:00 – 9:20, THURSDAY

Technical Presentations

Onsite Hilton Bomonti MR25A

Session Chair: Mushavhanamadi, Khathutshelo, University of Johannesburg, South Africa

ID 939 Implementation of Green Supply Chain Management Practices in South African Manufacturing Industry

Boitumelo Masokoameng and Khathutshelo Mushavhanamadi, Department of Quality and Operation Management, University of Johannesburg, South Africa

ID 940 Optimizing the Operation of Manufacturing: Case Study at Manufacturing Glass Company

Mulaudzi, Khathutshelo Mushavhanamadi, Department of Quality and Operation Management University of Johannesburg, South Africa

ID 941 The Impacts that the Cost of Quality has On South African's Defence Industry

Ambani Ethen Mofamade, Khathutshelo Mushavhanamadi, Department of Quality and Operation Management University of Johannesburg, South Africa

8:00 – 9:20, THURSDAY**Technical Presentations****Onsite Hilton Bomonti MR25B**

Session Chair:

8:00 – 9:20, THURSDAY**Global SCM I****Virtual Room 1**

Session Chair: Dr. Aldy Gunawan, Singapore Management University, Singapore

8:00 – 8:20 am (Thursday, March 10)

Dr. Aldy Gunawan
Assistant Professor of Computer Science (Practice)
School of Computing and Information Systems
Singapore Management University
Singapore

8:20 – 8:40 am (Thursday, March 10)

Dr. Stefanus Soegiharto
Head of System Engineering Laboratory
Department of Industrial Engineering
Universitas Surabaya
Indonesia

8:40 am, Thursday, March 10

Dr. Mustafa MISIR
Assoc. Prof. of Data and Computational Science
Lead, Machine Learning and Operations Research (MEmORY) Lab
Division of Natural and Applied Sciences
Duke Kunshan University
Kunshan, Jiangsu, China

9:00 am, Thursday, March 10

9:20 am, Thursday, March 10

Dr. A.H.L. Chen
Associate Professor of Operations and Logistics Management
Department of Industrial and Systems Engineering
Chuang Yuan Christian University
Taiwan

8:00 – 9:30, THURSDAY**Business Management****Virtual Room 2**

Session Chair: Dr. Soroush Avakh, Senior Lecturer in Business & Management, London Metropolitan University, UK

ID 511 MBKM-KKNT: Readiness of Narotama University Students Involved in Application of Solar Power in Agricultural Tourism Development in Jombang

Agus Sukoco, I Putu Artaya, I Nyoman Sudapet, Elok Damayanti, Ani Wulandari, Tubagus Purworosmiardi, Amrun Rosyid, Departement of Management, Narotama University, Surabaya, Indonesia
Sri Wiwoho Mudjanarko, Muhammad Ikhsan Setiawan, Departement of Civil Engineering, Narotama University, Surabaya, Indonesia
Achmad Muchayan, Department of Information System, Narotama University, Surabaya, Indonesia
Cholil Hasyim, Departement of Civil Engineering, Universitas Darul Ulum Jombang
Kuswanto, Departement of Law, Universitas Darul Ulum Jombang

ID 343 Mental Workload Assessment and Neuroergonomics Approach of Private Car Drivers Passing Along a Major Highway

Delos Santos, Ma. Isabelle J.a, Villareal, Regille Kyle C.b, Quevedo, Venusmar C.c, Mendoza, Sheily V.d, Industrial Engineering Department, College of Engineering, Adamson University, Manila, Philippines 1000

ID 703 Mobile Commerce Model with Cloud Technology to Support SMEs Sales Performance

Inayatulloh, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia 11480
Rajiv Dharma Mangruwa, Communication and Business-Telkom University, Bandung, Indonesia, Azman Hashim International Business School, University of Technology Malaysia, Malaysia
Prasetya Cahya S, Information Systems Department, School of Information system, Bina Nusantara University Jakarta, Indonesia 11480
Novingky Ferdinand, Sekolah Tinggi Ekonomi Bisnis Islam Syariah Bina Mandiri, Jakarta, Indonesia 11480

ID 212 Mobile Vaccination Clinic Routing Problem

Ecem Yucesoy, Elvin Coban, Burcu Balcik, Department of Industrial Engineering, Ozyegin University, Istanbul, Turkey

ID 637 Modeling Interactions among Project Success Criteria and Factors

Moussa Ballous and Hamdi Bashir, Department of Industrial Engineering and Engineering Management, College of Engineering, University of Sharjah, Sharjah, UAE

ID 156 Multilevel Integration in E Retailing: Concept and Framework

Anchit Agarwal, Ph.D Scholar (Management), Department of Humanities, Harcourt Butler Technical University, Kanpur
Vinod Kumar Yadav, Associate Professor, Department of Humanities, Harcourt Butler Technical University, Kanpur

ID 567 Musculoskeletal Disorders: Associated Risk Factors of the Laptop Usage Among Engineering Students in the University of Santo Tomas

Gracen R. Intia, Jasmin C. Lenon, Krista I. Mitra, Bianca A. Añonuevo, Nestor R. Ong, Department of Industrial Engineering, Faculty of Engineering, University of Santo Tomas, Manila, Philippines

8:00 – 9:30, THURSDAY**Manufacturing****Virtual Room 3**

Session Chair:

ID 294 Automated Guided Vehicles (AGVs) in Warehousing Industry: A Literature Review

Miltiadis Ntosis, Cranfield University, School of Management, United Kingdom

Ilias Vlachos, Full Professor in Supply Chain Management, Excelsia Business School, Excelsia Group, La Rochelle, France

ID 638 Design of Smart-Gate System for Monitoring Body Temperature Detection During the COVID-19 Pandemic

Rayan Eid Turki Alqadir and Abdulrahman Fayez Almutairi, Dept. of Electrical Engineering, Jouf University, Al-Jawf, Saudi Arabia

Nahar Alshammara, Dept. of Electrical Engineering Faculty of Engineering, Jouf University, Al-Jawf, Saudi Arabia

Rabia Almamlook, Dept. of Industrial and Entrepreneurial Engineering and Engineering Management, Western Michigan University, USA, Al Zawiya University, Zawiya, Libya

ID 261 Epoxy- Based Continuous Fibers Composites: Fabrication Techniques, Mechanical Strength and Their Applications

Tariku Achamyelch, Department of Mechanical Engineering, Faculty of Technology, Debre Tabor University, Debre Tabor, Ethiopia

Hüseyin Çamur and Mahmut A. Savas, Department of Mechanical Engineering, School of Applied Sciences, Near East University, 99138 Nicosia, KKTC, Turkey

ID 120 Le TPS est la clé de rafraîchissement du secteur artisanal au Maroc

Nada NEJJARI, Anas CHAFI, Salaheddine kAMMOURI ALAMI, Faculté des sciences et Techniques de Fès, USMBA, MAROC

ID 050 Deterministic Verification for Pipelined Architectures of JPEG2000 MQ-Coder

Mohsen Ahmadvand, Department of Computer Engineering, Hamedan University of Technology, P. O. Box: 65169-13733, Hamedan, Iran

Yarallah Koolivand, School of Electrical Engineering, K.N. Toosi University of Technology P. O. Box: 16315-1355, Tehran, Iran

ID 665 Machine Learning for Predictive Maintenance in the Manufacturing Sector

Rabia Almamlook, Dept. of Industrial and Entrepreneurial Engineering and Engineering Management, Western Michigan University, USA

Assistant Professor of Aviation Engineering, Al Zawiya University, Zawiya, Libya

Nahar Alshammara, Dept. of Electrical Engineering Faculty of Engineering, Jouf University, Al-Jawf, Saudi Arabia

Omar Albalawi, Assistant Professor of Industrial Engineering, University of Tabuk, Tabuk, Saudi Arabia

8:00 – 9:30, THURSDAY**Operations and Project Management****Virtual Room 4**

Session Chair: Prof.Dr. Fulya Altıparmak

ID 111 Improving Firm Performance Through Open Innovation And Change Management

Dicky Hida Syahchari, Maria Grace Herlina, Management Department, Binus Business School, Bina Nusantara University, Jakarta, Indonesia 11480

ID 363 Improving of Financial Flexibility and Distress on Consumer Goods Manufacturers in Indonesia

Cindy Hartanto Osman, Researcher, Faculty of Business, Management, President University, Bekasi, Indonesia

Purwanto, Associate Professor, Faculty of Business, Management, President University, Bekasi, Indonesia

ID 617 Indonesia Digital Native Business Co-Branded Credit Card: Perceived Benefits Roles in the Formation of Continuous Intention-to-use

Agustinus Fedrian and David Hans Susanto, Creative Marketing Program, Management Department, Binus Business School Master Program, Bina Nusantara University, Jakarta, Indonesia

Willy Gunadi, Business Management, Management Department, Binus Business School Master Program, Bina Nusantara University, Jakarta, Indonesia

ID 318 Indonesian Generation Z's Awareness of Data Privacy in the Use of Social Media

Nathaniel Adrian, Lindawaty, Destiana Friska, and Yohannes Kurniawan, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia

ID 064 Industrial monitoring of production systems: Emergence from classic maintenance to e-maintenance

Berrada Kenza, Laboratory of Industrial Techniques, Faculty of Science and Technology Fès, Sidi Mohamed Ben Abdellah University, Fès, Morocco

Herrou Brahim, BP Higher School of Technology. 2427, Route Imouzzer, Fès, Morocco

ID 107 Influence of Individual Behavioural Factors in Making Investment Decisions: A Study on Frontier Markets

Tharukshi Abeykoon and Dr. Suren Peter, Department of Industrial Management, Faculty of Science, University of Kelaniya, Dalugama, Kelaniya, Sri Lanka

ID 649 Influencing Factors of Millennial Consumers' Attitude towards Online Shopping

Tara Farina Srihadi, Faculty Member in Business Management Marketing Program, International Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

Grant Denov Marulam Tobing, Alumni of Business Management and Marketing Program, International Undergraduate Program – BMM Bina Nusantara University, Jakarta, Indonesia

8:00 – 9:30, THURSDAY**IT****Virtual Room 5**

Session Chair: Prof.Dr. Necdet Aras

ID 521 A Study on Improving the Vaccination Process of Local Government Units (LGU) in the National Capital Region of the Philippines

Marie Angelika T. Bagadiong, Erika Mae D. Costales, Kelly Margaret V. Magno, and Josephine D. German, School of Industrial Engineering and Engineering Management, Mapua University, Intramuros, Manila

ID 381 Re:SCN: A Web-based Report Management System with RFID-Based Vehicle Monitoring for Villa Belen

Joseph Raphael Canlas, Kenan Kerl Punsalang, Erwin Galura, Lester Herrera and Jonh Ray Medina, College of Computer Studies, Angeles University Foundation, Angeles City, Pampanga, Philippines

ID 383 AUFFound: Retrieval of Misplaced Personal Belongings Through Mobile Application and Web-Based Management System Designed for Angeles University Foundation

Erwin Castro, Kaila David, Kim De Silva, Lester Roxas, College of Computer Studies, Angeles University Foundation, Angeles City, Pampanga, Philippines

Joyce Macaspac, Faculty, College of Computer Studies, Angeles University Foundation, Angeles City, Pampanga, Philippines

ID 704 Development of Chatbot Application to Support Academic Staff Works for Academic Student Services

Yohannes Kurniawan, Devyano Luhukay, Yuliana Lisanti, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia

ID 609 Project Patrol: A Non-Index Crime Analysis using Spatio-Temporal Forecasting with Random Forest Classification

Stephanie Anne A. Galang, Lawrence T. Dizon and Lawrence T. Dizon, Student of College of Computer Studies, Angeles University Foundation, Pampanga, Philippines

ID 584 The Current Issues and Factor Determinants of User Experience (UX) using Learning Tools

Yakob Utama Chandra, Yohannes Kurniawan, Yustinus Christian, Information Systems Departement, School of Information Systems, Bina Nusantara University, Palmerah, Jakarta, Indonesia
Shamsul Arrieya Ariffin, Universiti Pendidikan Sultan Idris, Perak, Malaysia

ID 379 TRENSAFE: Intrusion Alarm System for Smart Home Protection and Security Using Arduino with SMS Notification

Recy Anne C. Dequiros, Chelsea Liezl A. Catacutan, Jonel V. Dela Cruz, Kirvy Dawn G. Ziganay, and Benedict M. Guarin, College of Computer Studies, Angeles University Foundation, Angeles City, Pampanga, Philippines

8:00 – 9:30, THURSDAY**Case Studies****Virtual Room 6**

Session Chair: Prof.Dr. Şule Önsel Ekici

ID 758 Using Deep Learning in Sign Language Translation to Text

Mary Jane C. Samonte, Doctor of Information Technology, Faculty Member of School of Information Technology, Mapua University, Makati City, Philippines
Carl Jose M. Guingab, School of Information Technology, Mapua University, Makati City, Philippines
Ron Andrew Relayo, School of Information Technology, Mapua University, Makati City, Philippines
Mark Joseph C. Sheng, School of Information Technology, Mapua University, Makati City, Philippines
John Ray D. Tamayo, School of Information Technology, Mapua University, Makati City, Philippines

ID 759 The Characteristics and Functions of Public Spaces in Gated Communities: Learning from Irene Farm Villages Estate Gated Community

Silindile Zulu, Department of Urban and Regional Planning, University of Johannesburg, Johannesburg, South Africa

ID 774 Optimizing of Series systems with identical components and imperfect Repairs

Mohammed A. Hajeerh, Techno-Economics Division, Kuwait Institute for Scientific Research P.O. Box 24885; Safat-13109, KUWAIT

ID 778 Operationalizing Entrepreneurs Start-up Behavior in the context of Economic Corridors: A Measurement Scale Development & Contextualization Process

Muhammad Arif, Professor, Department of Management Sciences, Bahria University, Islamabad, Pakistan
Riaz Ahmed, Director Academics, Bahria University, Islamabad, Pakistan
Zia Ur Rehman, Department of Management Sciences, Bahria University, Islamabad, Pakistan

ID 797 How Social Support Affects Work-life Balance? A Post Covid-19 Pandemic Prediction

Enny Soeharto, Binus Business School, Master Program, Bina Nusantara University, Jakarta, Indonesia
Anita Maharani, Binus Business School, Master Program, Bina Nusantara University, Jakarta, Indonesia
Ratih Dewi Febrianti, Binus Business School, Master Program, Bina Nusantara University, Jakarta, Indonesia
Lenny Sri Wahyuni, Binus Business School, Master Program, Bina Nusantara University, Jakarta, Indonesia

ID 800 Village Head Transformational Leadership in Facing the COVID-19 Pandemic

Widharto, Hamidah, Budi Santoso and Rachma Fitriati, Faculty of Economics, Universitas Negeri Jakarta, Indonesia

ID 802 The Impact of Implementing Emergency Curriculum on Students' Creativity during Covid-19 Pandemic Learning

Mulyo Kurniati, Sarwiji Suwandi and Budhi Setyawan, Postgraduate Program Universitas Sebelas Maret Surakarta Indonesia

9:30 – 10:00 am Morning Networking Coffee Break – Foyer Area of Hilton Hotel MR25A-MR25B**March 10, 2022 (Thursday) - Session: 10:00 am – 1:00 pm****Keynote Speakers**

Hilton Istanbul Bomonti Hotel Meeting Rooms MR25A-MR25B

10:00 am – 10:40 am Keynote XII:

Dr. Linh N K Duong

Sr Lecturer in Operations Management
Bristol Business School
University of the West of England, UK

10:40 am – 11:20 am Keynote XIII:

Professor Edward J. Williams

Educator, University of Michigan – Dearborn
Sr. Technical Specialist, PMC
Michigan, USA

11:30 – 1:00, THURSDAY**OM****Bomonti Hotel Room MR25A**

Session Chair:

11:30 – 1:00, THURSDAY**Technical Presentations****Bomonti Hotel Room MR25B**

Session Chair:

ID 734 The Adverse Impact of Virtual Learning on Upper Elementary Students' Intellectual Skills

Takiyah Ali and Anas Ali, Student of Michigan Islamic Academy, Ann Arbor, Michigan, USA

ID 224 Production Planning Perspective for Hybrid Manufacturing–Remanufacturing Manufacturing Systems

Yusuf Tansel, Iç, Başkent Üniversitesi, Turkey

11:30 – 1:00, THURSDAY

Operations Management

Virtual Room 1

Session Chair: Sam Takavarasha Jr, Women's University in Africa, Harare, Zimbabwe

ID 882 The Digital Transformation of Small Business Models: Challenges of Emerging Economies during COVID-19 Pandemic

Najam Ul Zia, Felicity Chromjaková, Ledislav Burita, and Aydan Huseynova, Faculty of Management and Economics, Department of Industrial Engineering and Information Systems, Department of Management and Marketing, Tomas Bata University in Zlín, Czech Republic

ID 883 Warehouses against Cyber-Attack Risks

Giovanni Meggiato, Sirious Nterai, Etienne Skowronski, Ruodi Gao, and Muhammad Atiqur Rahman, Postgraduate students in Logistics and Transportation Management, Department of Business administration, University of Gothenburg, Sweden

Shahryar Sorooshian, Associate Professor in Business Administration, Department of Business Administration, University of Gothenburg, Sweden

ID 896 Determinants Of Corporate Social Responsibility Disclosure In In Manufacturing Companies Listed On The Indonesia Stock Exchange In 2016 – 2019

Arifatul Aini and Tita Djuitaningsih, Bakrie University - Jakarta – Indonesia

ID 897 Comparative Analysis Return on Assets (ROA) and Economic Value Added (EVA) In Metal And Mineral Sub-Sector Companies In Indonesia Stock Exchange 2016-2020 Period

Budi Rustandi Kartawinata¹, Aldi Akbar, Mahir Pradana, Faculty of Communication and Business Telkom University Indonesia

ID 905 Collaborative Governance in Provision of Public Street Lighting Facilities at Bandung City, Indonesia

Kurniadi, Department of Entrepreneurship, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia,

ID 998 Analyzing the Effect of Products and Human Resources Towards Customer Loyalty at Bank Aceh Syariah, Bireuen, Indonesia

Damanhur, Falahuddin, Rani Puspitanigrum, Intan Magfirah, Faculty of Economics and Business Universitas Malikussaleh Lhokseumawe, Aceh Utara 24351, Indonesia
Melis Almula Karadayı, Assistant Professor in Industrial Engineering Faculty of Engineering and Natural Sciences Istanbul Medipol University Istanbul, 34810, Malaysia
Abdul Talib Bon, Department of Production and Operations Universiti Tun Hussein Onn Malaysia 86400 Parit Raja, Johor Malaysia

ID 919 A Study on Location Decision Problem of Mobile Vaccination Centers

Azime Beyza Ari, Student of Industrial Engineering Faculty of Engineering and Natural Sciences Istanbul Medipol University Istanbul, 34810, Turkey

Selin Kara, Student of Industrial Engineering, Faculty of Engineering and Natural Sciences Istanbul Medipol University Istanbul, 34810, Turkey

Melis Almula Karadayı, Assistant Professor in Industrial Engineering Faculty of Engineering and Natural Sciences Istanbul Medipol University Istanbul, 34810, Turkey

Hakan Tozan, Professor in Industrial Engineering Faculty of Engineering and Natural Sciences Istanbul Medipol University Istanbul, 34810, Turkey

11:30 – 1:30, THURSDAY

Value Engineering

Virtual Room 2

Session Chair: Prof.Dr. Kenan Özden

ID 808 Poor Corporate and Business Communication Creativity during the Covid-19 Pandemic in the Conventional Mass Media Industry

Umar Fauzi Bahanan, Department of Communication, Faculty of Social and Political Science Universitas Nasional, Jakarta, Indonesia

ID 809 The Study Of Online Identity Construction Through Instagram Posts Using Self-Representation And Cyberpragmatics Approach

Thesia and lenneke Indra Dewi

ID 810 The Role Of Saracen International As A Private Military Company In Helping Overcome Sea Piracy In The Bay Of Aden (2009-2012)

Widitusha Winduhiswara, Faculty of Social and Political Sciences, University of Prof. Dr. Moestopo (Beragama)

ID 788 Improvement of Biodegradable Magnesium-based alloys properties by Ca-P based Bioceramics Biomimetic Deposition

Saida Bouyegh, Samira Tlili, Research Center in Industrial Technologies CRTI, P.O. Box 64, Cheraga 16014 Algiers, Algeria

Mohamed Retima, and Imene Ghezaili, National School of Mines and Metallurgy L3M-Annaba, Algeria

ID 716 Smart Preventive Maintenance- A Review

M. B. Kiran, 1 Department of Mechanical Engineering, School of Technology, Pandit Deendayal Energy University, Gandhinagar, Gujarat, India

ID 833 “VALUE” Perception in the Value-Based Healthcare Approach: A Qualitative Study

Turkey, Dr. E. Fatma SEYFIOĞLU, Lecturer, PhD. - T.R Ministry of Health

ID 873 A Review of Failure Mode Effect and Criticality Analysis (FMECA)

Kiran M.B., Department of Mechanical Engineering, School of Technology, Pandit Deendayal Energy University, Gandhinagar, Gujarat, India

ID 838 Special Economic Zones (SEZs) Establishments: Lessons from International experiences for South Africa

Chukwuemeka Ezenwa Osuigwe, Department of Town and Regional planning, Office 6062, Sixth Floor, John Orr Building, Beit and Siemert Street, 2028. Johannesburg, South Africa

Professor Trynos Gumbo, University of Johannesburg, Department of Town and Regional planning, Office 6062, Sixth Floor, John Orr Building, Beit and Siemert Street, 2028. Johannesburg, South Africa

Professor Clinton Aigbavboa, University of Johannesburg, Department of Construction Management and Quantity Surveying, House No 6, Research Village, Bunting Road Campus. Johannesburg, South Africa

11:30 – 1:30, THURSDAY

Engineering Management

Virtual Room 3

Session Chair: Doç.Dr. Serkan Altuntaş

ID 804 Prediction of Post and Repost Content on Ciletuh Geopark Instagram Accounts In The Covid-19 Pandemic

Agustini PM, Angela M Devita, Annisa W Putri and Tracy Virginia, Bakrie University Jakarta Indonesia

ID 805 The Strategy Of Indonesian Government In Resolving The North Natuna Sea Conflict With Tiongkok : A Case Study Of Illegal Fishing In 2016 – 2020

Ayunita Adi Putri and Suhanto, International Relations Department, Faculty of Social and Political Sciences, Universitas Nasional Jakarta Indonesia

ID 806 Cybersex Phenomenon of Digital Erotism on Social Media Twitter

Citra Eka Putri, Radja Erland Hamzah and Muhammad Saifulloh, University of Prof. Dr. Moestopo (Beragama), Jakarta, Indonesia

ID 807 Duality of Stunting Management in Sustainable Development Perspective In Indonesia Case Study Of Cipinang Muara Village In East Jakarta

Erna Ermawati Chotim and Putri, Department of Sociology, Faculty of Social and Political Sciences, Universitas Nasional

ID 820 Application Internet of Things (IoT) in Healthcare to optimize waiting time using the Business Process Reengineering (BPR) Approach

Mutia Perwita Sari, Master of Engineering Student in Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 754 Application Of Machine Learning Techniques To Predict Some Geotechnical Indices In Ekiti State, Southwestern NigeriaAkinwamide Joshua Tunbosun, Department of Civil Engineering, Faculty of Engineering, The Federal Polytechnic, Ado Ekiti, Ekiti State, Nigeria
Jacob Odeh Ehirobo, Ph.D. Osuji Sylvester Obinna. Ph. D. and Ebuka Nwankwo. Ph.D. Department of Civil Engineering, Faculty of Engineering, University of Benin, Benin City, Edo State, Nigeria**ID 863 Biomechanical harvesting electricity**

Jana Nour, student, Egypt

ID 867 Empirical investigation of barriers, motivations and drivers for implementation of integrated CI system: a case of Ethiopian manufacturing industries

Haftu Hailu, Hailekiros Sibhato, Kinfe Tsegay, Haileselassie Mehari, Industrial Engineering Department, Ethiopian Institute of Technology-Mekelle (EIT-M), Mekelle University, Mekelle, Tigray, Ethiopia

11:30 – 1:30, THURSDAY**Interdisciplinary****Virtual Room 4**

Session Chair: Rainier C. Atizado, School of Information Technology, Mapúa University, Makati, Philippines

ID 730 Analysis of rooftop agriculture on urban food security in South AfricaKiara Lawrence, Human Sciences Research Council Intern, University of Johannesburg, Department of Urban and Regional planning, Office 6062, Sixth Floor, John Orr Building, Beit and Siemert Street, 2028. Johannesburg, South Africa
Trynos Gumbo, Head of Department and Associate Professor, University of Johannesburg, Department of Urban and Regional planning, Office 6062, Sixth Floor, John Orr Building, Beit and Siemert Street, 2028. Johannesburg, South Africa
Zaakirah Jeeva, Post-Doctoral Research Fellow, Unit of Environmental science and Management, North-West University, Potchefstroom, 2520.**ID 713 The Influence of Intrinsic Factors And Prices On Impulse Buying Between Consumers On The Shopee Platform**

Risma Meylia Dinati, Mahendra Fakhri, Mahir Pradana, School of Communication and Business Telkom University

ID 752 Coup as a Loss of Democracy Value in Myanmar

Agung Budi Prastyo and Hendra Maujana Saragih, International Relation Departement, Faculty of Social and Political Science, Universitas Nasional, Jakarta, Indonesia

ID 757 Deep Learning in Traffic Flow Control and Prediction for Traffic ManagementMary Jane C. Samonte, Doctor of Information Technology, Faculty Member of School of Information Technology, Mapua University, Makati City, Philippines
Gian Andre F. Balan, School of Information Technology, Mapua University, Makati City, Philippines
Paolo P. Gaviño, School of Information Technology, Mapua University, Makati City, Philippines
Justin Angelo S. Monasterial, School of Information Technology, Mapua University, Makati City, Philippines
Rafael Antonio C. Reforsado, School of Information Technology, Mapua University, Makati City, Philippines
Danielle C. Samonte, School of Information Technology, Mapua University, Makati City, Philippines**ID 803 Analyzing Online and Conventional Transportation Policy: The Case of South Tangerang City of Indonesia**

Retnowati Wahyuning Dyas Tuti, Asep Setiawan and Winda Dwi Astuti Zebua, University Muhammadiyah Jakarta, Tangerang Selatan, Banten, Indonesia

ID 879 System Improvement Through the Application of Assembly Line Balancing

Dyan C. Gonzales-Rodriguez, Assistant Professor of Industrial Engineering Department, College of Engineering, Bulacan State University, City of Malolos, Bulacan, Philippines

ID 835 Employing Smart Pre -screening Technology in Recruiting Sales Interns in the IT industry of Sri LankaThivvyan Karuneswaran¹, Informatics Institute of Technology, Colombo, Sri Lanka
Gayashini Shyanka Ratnayake², Informatics Institute of Technology, Colombo, Sri Lanka**ID 845 TraceAlert+: A Personalized Self-Monitoring on Health Status and Contact Tracing Efforts through GPS**Rainier C. Atizado, School of Information Technology, Mapúa University, Makati, Philippines
Jeptha Mathan V. Española, School of Information Technology, Mapúa University, Makati, Philippines
Leanne Kirsten G. Samala, School of Information Technology, Mapúa University, Makati, Philippines**11:30 – 1:30, THURSDAY****Business Operations****Virtual Room 5**

Session Chair: Navin Keshaw Rerukaana, Informatics Institute of Technology, 57, Ramakrishna Road, Colombo-06, Sri Lanka

ID 737 Effect Of Reflexology On Blood Pressure Among Patients With Hypertension In The Work Area Of Kertajati Community Health Center, Majalengka District In 2021

Henri, Idris Handriana, Lina Siti Nuryawati, STIKes YPIB Majalengka, Indonesia

ID 738 Strategies For Developing Medical Waste Management Interventions In Various Countries: Systematic ReviewLevi Anatolia SM Exposto¹, dr. I Made Ady Wirawan, S.Ked, MPH.,PhD2, Udayana University^{1, 2}**ID 739 The Validity of Problem-Based Collaborative Learning Model Books to Improve Students' Creative Thinking and Metacognitive Ability**Rusly Hidayah, Universitas Negeri Surabaya INDONESIA, Universitas Negeri Malang INDONESIA
Fauziatul Fajaroh, Parlan and I Wayan Dasna, Universitas Negeri Malang INDONESIA**ID 742 Indonesia-Singapore Cooperation With Jewelry Export Commodities Through The Role Of The Asean Free Trade Area (AFTA) in 2015-2018**

Irma Indrayani Arief and Edo Afriandi, International Relations Department, Faculty of Social and Political Science, Universitas Nasional, Jakarta, Indonesia

ID 743 The Role Of Asean To Solve The Threat Of Terrorism In The Southeast Asia Region

Marcellino Abel Harnanda and Hendra Maujana Saragih, International Relation Department, Faculty of Social and Political Science, Universitas Nasional, Jakarta, Indonesia

ID 744 Indonesian and ASEAN Role Creates Regionalism in Economic Sector

Muhammad Zulham, Center for Islamic Studies, Universitas Nasional, Jakarta, Indonesia
Hendra Maujana Saragih, 2International Relations Department, Universitas Nasional, Jakarta, Indonesia

ID 862 AI Virtual Labs

Jana Nour, student, Egypt

ID 836 Predicting Chronic Kidney Disease and diet recommendation using Machine Learning techniques

Navin Keshaw Rerukaana, Informatics Institute of Technology, 57, Ramakrishna Road, Colombo-06, Sri Lanka
Gayashini Shyanka Ratnayake, Informatics Institute of Technology, 57, Ramakrishna Road, Colombo-06, Sri Lanka

ID 828 Tool Condition Monitoring-A Review

M. B. Kiran, Department of Mechanical Engineering, School of Technology, Pandit Deendayal Energy University, Gandhinagar, Gujarat, India

11:30 – 1:00, THURSDAY**Virtual Room 6****EFQM Model: Global and Local Perspectives**

Panel Chair

Celal Seçkin
Management Consultant
Certified EFQM Trainer and Advisor
Turkey

Panel Speaker I

Yoshiyuki KATO
Chair, Toyota-Boshoku Turkey
Turkey

Panel Speaker II

Dr. Aylin Tülay Özden
Managing Director, ProManage
Board M

Panel Speaker III

Dr. Mehmet Çoban
Management Consultant
Academician, Aydın University
Turkey

1:00 – 2:00 pm Lunch Break
Lunch Provided

March 10, 2022 (Thursday) - Session: 2:00 – 3:45 pm**2:00 – 2:45, THURSDAY****Lean****Onsite Hilton Bomonti MR25A**

Session Chair: Hakan Gultekin, Mechanical and Industrial Engineering Department, Sultan Qaboos University, Muscat, Oman

ID 706 Accident Reduction and Productivity Improvement of Bangladesh Ready Made Garments Industry using Lean Tools

Robana Ahmed, MBA Student, Central Women's University, Hatkhola Rd, Dhaka 1203, Bangladesh
Roshna Ahmed Shipa, Ph.D. Student in Technology Management, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia, Parit Raja, Batu Pahat 86400, Johor, Malaysia
Ahad Ali, Ph.D., Associate Professor, Lawrence Technological University, Southfield, Michigan, MI 48075, USA

ID 122 Robotic Cell Design through Operation Assignment Integrated with Sequencing of Robot Moves

Hakan Gultekin, Mechanical and Industrial Engineering Department, Sultan Qaboos University, Muscat, Oman

2:00 – 2:45, THURSDAY**SCM****Onsite Hilton Bomonti MR25B**

Session Chair:

2:00 – 2:45, THURSDAY**Global Supply Chain and Logistics II****Virtual Room 1**

Session Chair: Dr. Ratri Parida, London Metropolitan University, London, UK

2:00 – 2:20 pm (Thursday, March 10)

Dr. Mostafa Hajiaghaei-Keshteli
Professor of Industrial Engineering
Tecnologico de Monterrey
Mexico

2:00 – 2:40 pm (Thursday, March 10)

Dr. Mohammed Rafik Qureshi, PhD (IIT Roorkee)
College of Engineering
King Khalid University
Abha, Kingdom of Saudi Arabia

2:40 – 3:00 pm (Thursday, March 10)

Dr. Ratri Parida
Associate Professor
IMT Ghaziabad, India
Visiting Research Fellow
Guildhall School of Business and Law (GSBL)
London Metropolitan University
London, UK

Topic: Supply Chain Finance: Insights and Research Opportunities

3:00 – 3:20 pm (Thursday, March 10)

Prof. Dr. Abdul-Rahim Nasir Ahmad
Professor of Supply Chain and Information Strategy
Karachi School of Business & Leadership
Karachi, Pakistan

3:20 – 3:40 pm (Thursday, March 10)

Dr. Hasan Balfaqih
Assistant Professor and Head
Supply Chain Management Department
University of Business and Technology
Jeddah, Saudi Arabia

2:00 – 3:45, THURSDAY**Lean Six Sigma****Virtual Room 2**

Session Chair: Robert H. Simonis, Manufacturing and Operations Consultant at KCE Consulting LLC, Troy, Michigan, USA

ID 036 Compressive Strength Test Experiment Double Light Steel Composite Beam

Sri Wiwoho Mudjanarko and Rizal Bahaswan, Departement of Civil Engineering, Narotama University, East Java, INDONESIA
Nawir Rasidi, Departement of Civil Engineering, Polinema Negeri Malang, Malang, 65141, INDONESIA
Achfas Zacoeb, Departement of Civil Engineering, Brawijaya University, Malang, 65141, INDONESIA
Mohd Haziman Wan Ibrahim, Fakulti Kejuruteraan Awam Dan Alam Bina, Universiti Tun Hussein Onn Malaysia, Malaysia
Firdaus PratamaWiwoho, Department of Environmental Engineering, Sepuluh Nopember Institute of Technology, Surabaya, 60117, INDONESIA

ID 443 A literature Review on Multi-echelon Inventory Management Policies: Case of Assembly Systems

Nouçaiba Sbai and Abdelaziz Berrado, Equipe AMIPS, Ecole Mohammadia d'Ingénieurs, Mohammed V University in Rabat, Morocco

ID 677 Optimization of Raw Materials Inventory by Implementing Time-Phased Order Point System (TPOP) to Reduce Inventory Cost in The Lubricant Industry

Suluh Panjiaryaguna, Graduate Student of Industrial Management, Master Study Program of Technology Management, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia
Iwan Vanany, Professor in Industrial Engineering, Master Study Program of Technology Management, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia

ID 142 Pricing and Inventory Planning for Perishable Products with Price, Stock, and Promotional Effort Sensitive Demand

Winda Narulidea, Ahmad Rusdiansyah, Sri Gunani, Department of Industrial and Systems Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia

ID 127 Industry 4.0 as enablers in Lean Six Sigma Initiatives

Adnan Hassan, Department of Materials, Manufacturing & Industrial Engineering, School of Mechanical Engineering, Universiti Teknologi Malaysia, Skudai, Johor 81310, Malaysia

ID 354 The Process to Defining and Optimizing Competitive Advantage Value by Implementing DMADV Approach

Muhtia Luchfi and Sri Susilawati Islam, Department Industrial Engineering, Faculty of Engineering and Technology, Sampoerna University, Jakarta, Indonesia

ID 034 Implementation of Lean Principles in Service Industry: A Systematic Literature Review

Hilda Kundai Chikwanda, Associate Professor of Engineering and Technology Management, Faculty of Engineering, Built Environment and Information Technology (EBIT), University of Pretoria, Pretoria, South Africa
Sanera Maharaj, Graduate School of Technology Management, Faculty of Engineering, Built Environment and Information Technology (EBIT), University of Pretoria, Pretoria, South Africa

ID 152 The Analysis of Process Improvement of Pharmaceutical Warehouses in a Lean Supply Chain Perspective

Tasnim Saadeh, Carol Asfour, Reem Abukwaik, Duaa Khalid, Zehra Canan Araci, Department of Industrial Engineering & Engineering Management, University of Sharjah, Sharjah, UAE

ID 365 Workload Balancing via Cellular Manufacturing: A Case Study in a Rubber Factory

Muhammed Talha Göllü a, Faculty of Engineering, Marmara University, Istanbul, Turkey
Seda Nur Yıldız a, Merve Yılmaz a and Canan Aşlan Gökler b, a Student of Industrial Engineering, b Assistant Professor in Industrial Engineering, Faculty of Engineering, Marmara University, Istanbul, Turkey

2:00 – 3:45, THURSDAY**Product Development and Production****Virtual Room 3**

Session Chair: Dr. Rushan Ziatdinov, Keimyung University, South Korea

ID 644 Product Formulation of Instant Powder Functional Drink from Black Jelly Grass and Other Natural Ingredients

A.M. Fuadi, Hartini, Kun Harismah and Rois Fatoni, Department of Chemical Engineering, Faculty of Engineering, Universitas Muhammadiyah, Surakarta, Surakarta, Indonesia

ID 115 Proposed Framework of Product Redesign Need Assessment based on Customer Requirement, Complaint and Failure Analysis

Anda Iviana Juniani^{1,2}, Moses Laksono Singgih¹, and Putu Dana Karningsih¹, ¹Department of Industrial and Systems Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia, ²Department of Design and Manufacture Engineering, Shipbuilding Institute of Polytechnic Surabaya, Surabaya, Indonesia

ID 557 The Application of QFD and BMC for Furniture Development: A Case Study of Wickerwork Handicraft in Thailand

Rachan Pangprasret, Faculty of Industrial Technology Phranakhon Rajabhat University, Bangkok, Thailand

ID 320 Effect of Rising Cost and Worker Shortage on Industry

Sheikh F. Ferdous and M. Affan Badar, Department of Applied Engineering and Technology Management, Indiana State University, Terre Haute, Indiana 47809, USA
Yuetong Lin, Department of Engineering and Technology, Embry-Riddle Aeronautical University – Worldwide, Daytona Beach, FL 32114, USA

ID 459 Assembly Line Balancing with Energy Consumption using Arithmetic Optimization Algorithm

MFF Ab.Rashid, AN Mohd Rose and NMZ Nik Mohamed, College of Engineering, Universiti Malaysia Pahang, 26300 Kuantan, Pahang, Malaysia

ID 151 Optimization Production Planning Sugar Refinery Industry with SWOT Analysis & TOPSIS Combination Method: A Case Study

Ayu Mandasari Nasution, M. Dachyar, Novandra Rhezza Pratama, Industrial Engineering Department¹, Universitas Indonesia, Depok, Indonesia

ID 010 Research on Cultivation planning based on resource sharing among fruit growers

Kotomichi Matsuno, Department of Business Design and Management, Graduate School of Creative Science and Engineering, Waseda University
3-4-1 Okubo, Shinjuku-ku, Tokyo, Japan

ID 732 Converting an Under-the-hood Heavily Machined Aluminum Rear Retainer to Molded-composite for Ford Motor Company Sealing at LMC and strength MMC manufacturing tolerances

Ben Chouchaoui, President, Windsor Industrial Development Laboratory, Inc. 3310 Longfellow Avenue, Windsor, Ontario N9E 2L6 Canada

2:00 – 3:45, THURSDAY**Business Management****Virtual Room 4**

Session Chair: Fery Permadi H, Universitas Indonesia, Depok, Indonesia

ID 502 Innovation Of Learning Model In The MBKM (Merdeka Belajar Kampus Merdeka) Curriculum Based On Competency And Web Based Platform As A Easy Process Of Education And Professional Exam (Case Study of Accounting Program)

Rony Wardhana, Avi Sunani, Sri Wiwoho Mudjanarko, Ariyani, Frenky Yusuf, Achmad Muchayan, Elok Damayanti and Victor Da Costa Monteiro, Program Studi Akuntansi, Fakultas Hukum, Ekonomi dan Pendidikan, Universitas Narotama, Surabaya, Indonesia

ID 133 Techno-Economic Evaluation of Solar Rooftop Photovoltaic Systems at Factory Building in Indonesia

Fery Permadi H, M. Dachyar, Farizal, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 14 Integration of Smart Data Analytics in the Product Development Process of Small and Medium-sized Enterprises (SMEs)

Ingo Vincent Dietz von Bayer, Lena Feindler and Roland Jochem, Technical University of Berlin, Department of Quality Sciences, Pascalstr. 8-9 10587 Berlin, Germany
Jasmin Ohlig and Bert Leyendecker, University of Applied Sciences Koblenz, Faculty of Operations Management, Konrad-Zuse-Str. 1, 56075 Koblenz, Germany

ID 168 Internet of Things Technology Selection for Monitoring Process at Palm Oil Mills

Namira Hasna Latifah and M. Dachyar, Industrial Engineering Department, Universitas Indonesia, Depok, Indonesia

ID 160 Investigating the predictors of Employee Work Engagement during COVID-19 Pandemic

Adedapo Oluwaseyi Ojo, Senior Lecturer, Faculty of Management, Multimedia University, Cyberjaya 63100, Malaysia
Olawole Fawehinmi, and Juhari Noor Faezah, Faculty of Business, Economics and Social Development, Universiti Malaysia Terengganu
21030 Kuala Terengganu, Terengganu, Malaysia
Chukwuebuka Ibeabuchi, and Amauche Ehido, Faculty of Business and Management, Universiti Sultan Zainal Abidin, Kampus Gong Badak, 21300 Kuala Terengganu, Terengganu, Malaysia.

ID 24 IoT-ready Warehouse Management System for Malaysian SMEs

Mohd Hazri bin, Mohd Rusli, Universiti Teknologi Mara, Malaysia

ID 697 Knowledge Management System Model for SMEs Community

Inayatulloh, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia 11480
Rozali Toyib, Universitas Muhammadiyah, Bengkulu, Indonesia
Maisyarah Rahmi Hasan, Islamic Economic Law Department Faculty of Sharia, Universitas Islam Negeri Sultan Aji Muhammad Idris Samarinda, Sugeng Riyanto, STIE Pertiwi, Bekasi, Indonesia
Enggal Sriwardiningsih, Management Department, Binus Business School, Bina Nusantara University, Jakarta, Indonesia,
Deny Jollyta, Institut Bisnis Dan Teknologi Pelita Indonesia
A'isyah Salimah, Politeknik Negeri Jakarta, Jakarta, Indonesia
Rizky Maulana, Department of Economics, Faculty of Economics and Management, IPB University, Bogor, Indonesia

ID 749 Bilateral Cooperation Between Japan and Indonesia in Defense of Natuna's Marine Sovereign Rights

Hebeijanjas Reyhan Venkarentino and Hendra Maujana Saragih, International Relation Department, Universitas Nasional, Jakarta, Indonesia

2:00 – 3:45, THURSDAY**Project Management****Virtual Room 5**

Session Chair: Dr. Gökhan Kirkil, Kadir Has University, Turkey

ID 516 Bibliometric Analysis of Project Management Evaluation in Construction Industry

Gebriel Huda, Master Student in Department of Civil Engineering, Faculty of Engineering, Universitas Indonesia, Kampus UI Depok, Depok 16424, Indonesia
Mohammed Ali Berawi, Associate Professor in Department of Civil Engineering, Faculty of Engineering, Universitas Indonesia, Kampus UI Depok, Depok 16424, Indonesia

ID 380 Developing a Research Model for the Effects of Organizational Structure's Agility, Team Autonomy, and Emerging Leadership in Teams on Agile Project Performance

Hamit Metin Ornek, Ph.D. Student of Management Engineering, Faculty of Engineering and Natural Sciences, Bahçesehir University, Beşiktaş, Istanbul, Turkey
Assist. Prof. Alper Camcı, Assistant Professor in Management Engineering, Faculty of Engineering and Natural Sciences, Bahçesehir University Beşiktaş, Istanbul, Turkey

ID 001 Good Communication Methods & Stakeholder Engagement Resulting In Effective Project Management

Thakaramahlaha Lehohla, Department of Trade & Industry, South Africa

ID 285 Risk Management: A Parallel Between ISO 31000 and the PMBOK Guide

Daniell Braun Vargas and Lucila Maria de Souza Campos, Department of Production Engineering, Federal University of Santa Catarina

ID 570 Stakeholder Perspective Analysis: Factors for Sustainable Policy Development

Girts Zarins, Scientific Assistant, Faculty of Engineering Economics and Management, Institute of the civil engineering and real estate economics Riga Technical University, Latvia

Janis Zvirgzdins, Researcher, Faculty of Engineering Economics and Management, Institute of the Civil Engineering and Real Estate Economics, Riga Technical University, Latvia

Sanda Lapuke, Associate Professor, Faculty of Engineering Economics and Management, Institute of the Civil Engineering and Real Estate Economics Riga Technical University, Latvia

ID 529 Quality Control of Hot-Rolled Coil Production Process with Six Sigma Method in Hot Strip Mill Division of Steel Company

Arinda Soraya Putri, Husen Riza, Industrial Engineering Department, Faculty of Engineering, Universitas Muhammadiyah Surakarta, Jl. Ahmad Yani Tromol Pos 1, Surakarta, Indonesia

Agung Pamungkas, Master of Industrial Engineering Program, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 731 The role of rooftop agriculture on urban food security: A case study on the Priority Zone Rooftop Garden

Kiara Lawrence, Human Sciences Research Council Intern, University of Johannesburg, Department of Urban and Regional planning, Office 6062, Sixth Floor, John Orr Building, Beit and Siemert Street, 2028. Johannesburg, South Africa

Trynos Gumbo, Head of Department Associate Professor, University of Johannesburg, Department of Urban and Regional planning, Office 6062, Sixth Floor, John Orr Building, Beit and Siemert Street, 2028. Johannesburg, South Africa

Zaakirah Jeeva, Post-Doctoral Research Fellow, Unit of Environmental science and Management, North-West University, Potchefstroom, 2520.

2:00 – 3:45, THURSDAY**Virtual Room 6****Industry Solutions Panel**

Panel Chair

Dr. Ali Tamer Ünal
Boğaziçi University
Turkey

3:45 pm**Afternoon Networking Coffee Break – Foyer Area of Hilton Hotel MR25A-MR25B****March 10, 2022 (Thursday) - Session: 4:00 – 5:45 pm****4:00 – 5:45, THURSDAY****Project Management****Onsite Hilton Bomonti MR25A**

Session Chair:

4:00 – 5:45, THURSDAY**AI****Onsite Hilton Bomonti MR25B**

Session Chair: Canser Bilir, Industrial Engineering Department, Istanbul Sabahattin Zaim University, Turkey

ID 161 Evaluating the Role of Brick-and-Mortar Stores in Omni-Channel Retailing in Order to Optimize Their Functions

Mazdak Hooshyar Azar, Graduate Education Institute, Istanbul Sabahattin Zaim University, Turkey

Canser Bilir, Industrial Engineering Department, Istanbul Sabahattin Zaim University, Turkey

4:00 – 4:45, THURSDAY**Global SCM III****Virtual Room 1**

Session Chair: Nouçaiba Sbai

4:00 – 4:20 pm (Thursday)

Nouçaiba Sbai
Industrial Engineer and PhD Candidate
Ecole Mohammadia d'Ingénieurs
Mohammed V University
Rabat, Morocco

MBA and BA Lecturer
SIST British Education
Morocco

Title: Inventory Management in Global Supply chain and Logistics

4:20 – 4:40 pm (Thursday)

Asher Ramish
MS Production Management (Hamburg-Germany)
Certified Instructor and Researcher, George Mason University, USA
Certified Carbon Literate, Nottingham Trent University, UK
Assistant Professor | Corporate Trainer & Consultant
Dept. of Operations and Supply Chain
University of Management and Technology, Pakistan

3:40 – 5:00 pm (Thursday)

Dr. Qiannong (Chan) Gu
Department Chair and Associate Professor of Information Systems and Operations Management
Miller College of Business

Ball State University
Muncie, Indiana, USA

5:00 – 5:20 pm (Thursday)

Dr. Guilherme Frederico
Associate Professor of Operations and Supply Chain Management
School of Management
Federal University of Paraná – UFPR
Curitiba, Paraná, Brazil

5:20 – 5:40 pm (Thursday)

Dr. Sara Saberi
Assistant Professor
School of Business
Worcester Polytechnic Institute
Worcester, MA, USA

5:40 – 6:00 pm (Thursday)

Dr. Jabir Arif
Associate Professor
Sidi Mohamed Ben Abdellah University
Morocco

4:00 – 5:45, THURSDAY

Sustainability

Virtual Room 2

Session Chair: Dr. Ali ElKamel, University of Waterloo, Canada

ID 384 Ecotopia: A Market Research Proposal for Building New Urbanism Sustainable Communities

Sheila Mae Carungay, Patricia Mae Dimaunahan, Lourdes Lasian and Leonel Villamor, Department of Industrial Engineering, College of Engineering, Adamson University, Manila, Philippines

ID 058 Exploring the Predictors of Employee Green Behaviour among Academics in Malaysia

Amauche Ehido, Universiti Sultan Zainal Abidin, Malaysia

ID 163 Holistic Sustainable Development and Upgrading of the Various Areas of Urban Value Areas

Salma Dwidar, Associate Professor of Architecture Department, Faculty of Architecture and Design, Riyadh, KSA
Donia AbdelGawad, Assistant Professor of Architecture Department, Faculty of Fine Art, Alexandria University

ID 003 Investigating possible use of hybrid solar thermal and agro-residue biomass energy systems to overcome tobacco curing related deforestation

Nelson Shatia, Ignatio Madanhirea Tawanda Mushiria and Emmanuel Mashonjowab, aDepartment of Mechanical Engineering, University of Zimbabwe, P. O. Box MP167, Mount Pleasant, Harare, Zimbabwe, bDepartment of Physics, University of Zimbabwe, P. O. Box MP167, Mount Pleasant, Harare, Zimbabwe

ID 154 Is Circular Economy Implemented Properly in the Military? A Comparative Study from the Dutch Ministry of Defense

Jeanne Svensky Ligte, PhD Student in Management and Quality Studies, Faculty of Management and Production Engineering, Lodz University of Technology, Wolczanska 215, 90-924 Lodz, Poland

ID 056 Bibliometric Analysis of E-Waste Literature

Hana Fajria Pahlawan, Rahmat Nurcahyo, & Nurhadi Wibowo, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Salemba, Jakarta, Indonesia

ID 164 Unpacked Selling: A Zero-waste Alternative to Single-Use Packaging but is It Profitable?

Öznr Özdemir-Akyıldırım, Associate Professor of Operations Management, Faculty of Economics and Administrative Sciences, Akdeniz University Antalya, Turkey
Gökçe Esenduran, Assistant Professor of Operations Management, Department of Management, Purdue University, West Lafayette, IN, USA

ID 121 Exploit of limestone dust as lightweight aggregates into building products

Saida Kitouni, Department of Process Engineering, Constantine 3 University, Constantine, Algeria

4:00 – 5:45, THURSDAY

Industry Solutions

Virtual Room 3

Session Chair: Dr. Adil Baykasoğlu, Dokuz Eylül University, Turkey

ID 358 Customer Acceptance on Smart Medical Application

Tiurida Lily Anita, Hotel Management Department, Faculty of Economics and Communication, Bina Nusantara, University Jakarta, Indonesia
Athea Sarastiani, Service Management, Trisakti University, Jakarta, Indonesia
Totok Sugiharto, Post Graduate Program, Pelita Harapan University, Tangerang, Indonesia

ID 301 The Impact of Servitization on Manufacturing Industry: A Literature Review and Prospects for Future Research

Rahman Dwi Wahyudi, Moses Laksono Singgih, Mokh Suef, Industrial and System Engineering, Faculty of Industrial Technology and Systems Engineering, Institut Teknologi Sepuluh Nopember, Surabaya-Indonesia

ID 070 Industry 4.0 Adoption in Manufacturing Industries in SME sector: Opportunities and Challenges

Rashmi Prava Das, Computer Science and Engineering, CV Raman Global University, Bhubaneswar, India
Kamalakanta Muduli, Mechanical Engineering, Papua New Guinea University of Technology
Sardar M.N. Islam, Professor of Artificial Intelligence, Victoria University, Sydney, Australia

ID 642 Industry 4.0 Technologies for Sustainable Performance in Indian Manufacturing MSMEs

Darshan Pandya, Research Scholar, Operations Management, Indian Institute of Management Raipur, Raipur, India
Gopal Kumar, Associate Professor, Operations Management, Indian Institute of Management Raipur, Raipur, India

ID 106 Pharma 4.0 Quality Management Challenge: A Literature Review

Pitoyo Amrih and Retno Wulan Damayanti, Industrial Engineering, Sebelas Maret University, Surakarta, Indonesia

ID 448 Measuring Social Presence in Virtual Social Game Experience

Christabel Parung, Dian Prianka and Viviany, Faculty of Creative Industries, University of Surabaya, Surabaya, Indonesia

ID 138 The Implementation of Anti-Bribery Management System Designed to Mitigate the Bribery Risk in State-Owned Enterprises: A Case Study of The Indonesia Farming Industry

Kartika Trisna Putri, M. Dachyar, and Novandra Rhezza Pratama, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 449 Virtual Social Game Experience: The Definitions and Determining Factors

Dian Prianka, Christabel Parung and Viviany Faculty of Creative Industries, University of Surabaya, Surabaya, Indonesia

4:00 – 5:45, THURSDAY

Business Analytics

Virtual Room 4

Session Chair: Dr. Yusuf Tansel İç, Başkent University, Turkey

ID 601 Landslide Hazard in Chittagong & Chittagong Hill Tracts

Md. Emdadul Hoque, B.Sc. in Civil Engineering, University of Asia Pacific, Dhaka, Bangladesh

Ahmad Mahir Faysal, Associate Program Manager, IEOM Society International, Southfield, USA., B.Sc. in Civil Engineering, University of Asia Pacific, Dhaka, Bangladesh

ID 589 Lecturer Analysis On The Implementation Of Mbkm Internship In The Construction & Infrastructure Industry At Faculty Of Engineering And Computer Science Of Narotama University

Julistyana Tistogondo, Diah Ayu Restuti Wulandari, Muhammad Ikhsan Setiawan and Sri Wiwoho Mudjanarko, Department of Civil Engineering, Narotama University, Surabaya, Indonesia

Achmad Muchayan, Department of Information System, Narotama University, Surabaya, Indonesia

Tubagus Purworusmiardi, Department of Management, Narotama University, Surabaya, Indonesia

Haziman Wan Ibrahim, Department Civil Engineering UTHM, Malaysia

ID 087 Maintenance Application for Motorcycle: Case Study Ride Hailing in Indonesia City

Andy Kresna, Davis Belmiro, Diadra Pramudito, and Naldo Badriansyah, Industrial Engineering Study Program, University of Indonesia, Jakarta, Indonesia

ID 153 Managing Customers' Loyalty in Fashion Branded: Experience from Indonesia

Sidik Budiono and John Tampil Purba, Department of Management Faculty of Economics and Business, Universitas Pelita Harapan, Tangerang-15811, Indonesia

ID 515 MBKM Digital Entrepreneurship Education Impact on Student's Intention in Department of Management, Narotama University, Surabaya, Indonesia

I Nyoman Sudapet, Elok Damayanti, Agus Sukoco, I Putu Artaya, Ani Wulandari, Tubagus Purworusmiardi, Department of Management, Narotama University, Surabaya, Indonesia

Sri Wiwoho Mudjanarko, Muhammad Ikhsan Setiawan, Department Civil Engineering, Narotama University, Surabaya, Indonesia

Achmad Muchayan, Information System Program Study, Narotama University, Surabaya, Indonesia

ID 492 MBKM Student Community: Solar Energy Implementation Supports Green Economy and Agricultural Eco Tourism in Jombang, Indonesia

Agus Sukoco, I Nyoman Sudapet, Elok Damayanti, Tubagus Purworusmiardi, Arasy Alimudin, Amrun Rosyid, IGA Aju Nitya D and R Agus Baktiono Department of Management, Narotama University, Surabaya, Indonesia

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Achmad Muchayan, Department of System Information, Narotama University, Surabaya, Indonesia

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ID 514 MBKM-Digital Entrepreneurship: The Influence of Students' Knowledge Level on Perceptions of the Benefits of the MBKM Program

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Achmad Muchayan, Department of Information System, Narotama University, Surabaya, Indonesia

ID 712 Purchasing Decisions for Luxcrime Products

Muthia Pramesty, Anita Silvianita, Mahendra Fakhri, Mahir Pradana, School of Communication and Business Telkom University

4:00 – 5:45, THURSDAY

SCM

Virtual Room 5

Session Chair: Dr. Gülçin Büyükoçkan, Galatasaray University, Turkey

ID 559 Development of Supply Chain Network Design Model for Commercialization of Batik Waste Processing Equipment with Credit System

Adindha Karunia Ciptaning Pragowoaji, Undergraduate Student of Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Indonesia

Nasyita Vivi Amalia, Industrial Engineering Department, Faculty of Engineering, Universitas Primagraha, Serang, Banten, Indonesia

Wahyudi Sutopo3, Yuniaristanto4, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-

Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret

Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 534 Distribution Route Optimization of Newspaper Publishing Company with Saving Matrix Method and Milk-Run System

Adindha Karunia Ciptaning Pragowoaji, Iksan Widianoro Restuaji, and Yusuf Fardhan Nurdianto, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Jl. Ir. Sutami, 36A, Surakarta, Indonesia

Arinda Soraya Putri, Industrial Engineering Department, Faculty of Engineering, Universitas Muhammadiyah Surakarta, Jl. Ahmad Yani Tromol Pos 1, Pabelan,

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Yuniaristanto, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Jl.

Ir. Sutami, 36 A, Surakarta, Indonesia

ID 530 Enhancing the Effectivity and Efficiency of Production System using Discrete Event Simulation Approach (A Case Study in PT Solo Grafika Utama)

Dicka Korintus Kurnianto1, Ferdinanda Pascha Hasian1, Muhammad Abyan Naufal1, 1)Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

Nancy Oktyajati2, 2)Industrial Engineering Department, Faculty of Engineering, Universitas Islam Batik Surakarta, Jl. Agus Salim No.10, Surakarta, Indonesia

Wahyudi Sutopo3, Yuniaristanto4, 3) University Centre of Excellence for Electrical Energy Storage Technology, 4) Research Group Industrial Engineering and Techno-

Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Jl. Ir. Sutami, 36 A, Surakarta, Indonesia

ID 006 Exploring AI Application Location in Oil and Gas Supply Chain

Thejas Vivek, Faculty of Engineering, Qatar University, Doha, Qatar

Ahmed Deif, Department of Industrial Technology and Packaging, California Polytechnic State University, San Luis Obispo, CA 3407, USA

ID 339 Determining the Winner of LPG Project Tender with A Multi Expert Multi-Criteria Decision Making

Sawarni Hasibuan 1, Juliza Hidayati2, Erry Yulian T. Adesta 3, and Choesnul Jaqin 4
 1,4 Industrial Engineering Department, Engineering Faculty, Universitas Mercu Buana, Jakarta, Indonesia
 2 Industrial Engineering Department, Engineering Faculty, Universitas Mercu Buana, Jakarta, Indonesia
 3 Mechanical Engineering Department, International Islamic University Malaysia

ID 445 How Dynamic Capability in the Port Industry? Systematic Literature Review

Dicky Hida Syahchari, Hardijanto Saroso, Cooky Tri Adhikara, Melisa, Management Department, BINUS Business School, Bina Nusantara University, Jakarta, Indonesia

ID 060 Ideal Location Selection for Global Excavator Manufacturing Facilities in North America

Gerald Giovanni Raditya Gita, M. Dachyar, Novandra Rhezza Pratama, Industrial Engineering Department, Universitas Indonesia, Depok, Indonesia

4:00 – 5:45, THURSDAY**Virtual Room 6****Diversity and Inclusion Panel Sponsored by Ford Motor Company****Panel Chair**

Professor Donald M. Reimer
 President, The Small Business Strategy Group
 Detroit, Michigan, USA
 Adjunct Faculty – A. Leon Linton Department of Mechanical Engineering
 Lawrence Technological University
 Southfield, Michigan, USA

Panel Speakers

Renée Ahee
 President, In Other Words, LLC
 Detroit, Michigan, USA

Ayşe Kaşıkırık
 Women's Rights Advocate
 PhD Candidate and Researcher
 Political Science and Public Administration program
 Istanbul University
 Istanbul, Turkey

Debby Mitchell Covington
 Director of Partnerships, Outreach and Retention
 College of Engineering
 University of Michigan
 Ann Arbor, MI 48109, USA

Dwi Agustina Kurniawati, M.Eng., Ph.D.
 Associate Professor, Industrial Engineering Department
 Former Head of Industrial Engineering Department
 Head of Faculty Quality System Controller
 Faculty of Science and Technology
 UIN Sunan Kalijaga, Indonesia

Prof. Abid Haleem
 Professor, Department of Mechanical Engineering
 Faculty of Engineering and Technology
 Jamia Millia Islamia, New Delhi -110025, India

March 10, 2022 (Thursday) - Session: 7:00 – 10:00 pm

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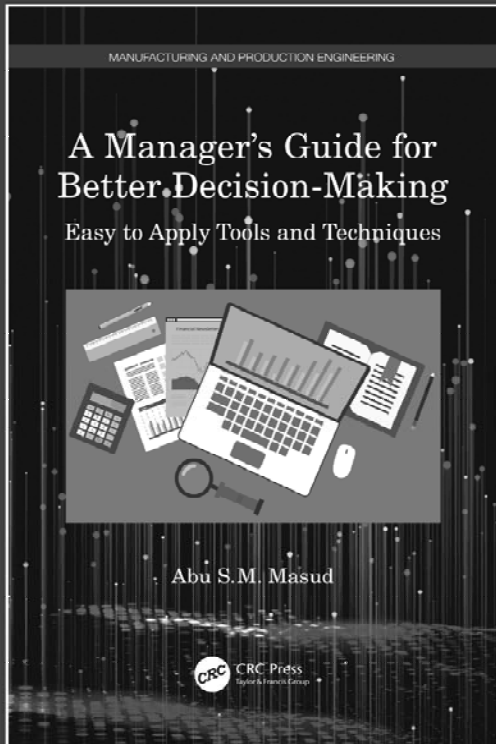
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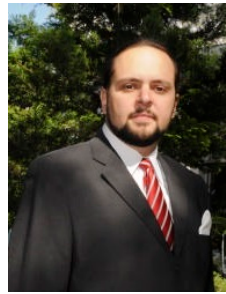
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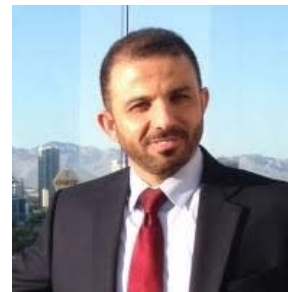
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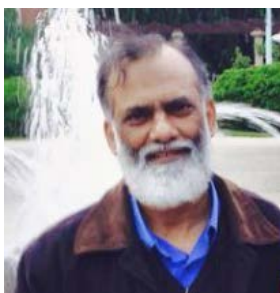
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Host: University of Nigeria, Nsukka



7th North American Conference on
**Industrial Engineering and
Operations Management**
June 12-14 2022, Orlando, Florida, USA
Venue: Holiday Inn & Suites Across from Universal Orlando



3rd South American Conference on
**Industrial Engineering &
Operations Management**
Asuncion, Paraguay, July 19-21, 2022
Host: Asuncion National University



5th European Conference on
**Industrial Engineering &
Operations Management**
Rome, Italy, July 26-28, 2022
Host: Sapienza – University of Rome



SAPIENZA
UNIVERSITÀ DI ROMA



2nd Indian Conference on
**Industrial Engineering and
Operations Management**
August 16-18, 2022, Warangal, India
Hosts: NIT, Warangal and JNTU, Hyderabad



3rd Asia Pacific Conference on
**Industrial Engineering and
Operations Management**
Sept. 13-15, 2022, Johor Bahru, Malaysia
Hosts: Universiti Teknologi Malaysia (UTM)
& Universitas Sebelas Maret (UNS), Indonesia



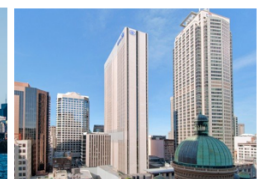
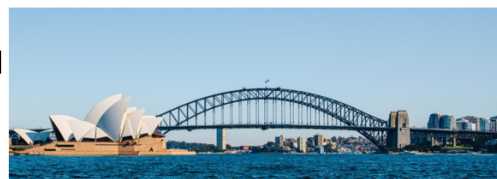
UTM
UNIVERSITI TEKNOLOGI MALAYSIA



UNS
UNIVERSITAS
SEBELAS MARET



First Australian Conference on
**Industrial Engineering and
Operations Management**
Sydney, Australia, December 20-22, 2022
Venue: Hilton Sydney, NSW, Australia



13th Annual International Conference on
**Industrial Engineering and
Operations Management**
March 7-9, 2023, Manila, Philippines
Venue: Hilton Manila, Host: De La Salle University



Industrial Engineering and Operations Management Society International
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