

THE FOURTH INTERNATIONAL CONFERENCE ON SMART GRID SYNCHRONIZED MEASUREMENTS AND ANALYTICS



SGSMA 2024



May 21-23, 2024

George Washington University, Washington DC, USA

The International Conference on Smart Grid Synchronized Measurements and Analytics 2024 (SGSMA 2024) is the leading forum for disseminating the latest research on Synchronized Measurements and Analytics in Smart Grids. SGSMA brings together leading researchers and developers from academia, research and industry from all over the world to facilitate innovation, knowledge transfer and technical progress. The attendees will get the opportunity to present their findings, learn about the recent research results from others, and be able to network with some of the leading luminaries, academics, researchers and practitioners in this area.

TOPICS OF INTEREST

- Theory and fundamentals of synchronized measurements
- Synchronized sampling and synchronized phasor calculation
- The time reference and clock sources used for synchronized measurements
 - Time dissemination techniques
 - Synchronized measurement instrumentation
- Calibration systems for synchronized measurement instrumentation
 - End-to-end calibration of synchronized measurement systems
- Procedures for certification of synchronized measurement devices and systems
- Acceptance, commissioning and field testing of synchronized measurement systems
- Applications of synchronized measurement instruments to critical infrastructure systems
 - Modeling and simulation of synchronized measurements
 - Data analytics for power system applications of synchronized measurements
- Implementation and design of synchronized measurement devices and systems
- Bad data detection and troubleshooting tools for synchronized measurement systems
- Metrics for performance evaluation of synchronized measurement applications
 - Situation awareness systems based on synchronized measurements
- Use of synchronized measurements in distribution and the grid "edge" applications
- Synchronized measurements in wide-area monitoring, control and protection (WAMPAC)
 - Educational issues and curriculum related to synchronized measurements
 - Cybersecurity issues and solutions for synchronized measurement systems
- The next generation of EMS and DMS systems based on synchronized measurements

IMPORTANT DEADLINES

- Paper submission opens: May 01, 2023
- Full paper submission: Oct. 20, 2023
- Tutorial/Workshop/Panel proposal: Oct. 20, 2023
- Notification of acceptance: Dec. 15, 2023
- Student travel grant application: Jan. 15, 2024
- Final paper submission: Mar. 01, 2024
- Early bird registration: Mar. 01, 2024
- Regular registration: May 15, 2024



<http://sgsma2024.org>

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