

## CALL FOR PAPERS 2025

### **Special Session: Real-time simulation and Big Data & Analytic on Modern Power Grids** IEEE Autumn Meeting on Power, Electronics and Computing, ROPEC 2025

The [IEEE Working Group on Big Data & Analytics for Transmission Systems](#) by means of the subgroups of “Application of BDA for advanced metering infrastructure” and “Real-time lab demonstrations and open access databases” takes pleasure in inviting you to submit papers on Applications of Real-time simulation and Big Data & Analytic on Modern Power Grids, including but not limited to:

- Real-time simulation (RTS);
- Power-hardware-in-the-loop (PHIL);
- Synchrophasor analytics;
- Advanced metering infrastructures (AMI) in power systems: Sensors, data collection, architectures;
- Applications of modal analysis, data handling, stability assessment, clustering, detection and location of faults, and inertia estimation; and
- Applications of Big Data & Analytics: Requirements, architectures, operation and visualization.

All submitted papers should adhere to the specifications in [ROPEC 2025](#) author guidelines. Each submission to the special session will undergo a peer review process. Submission implies at least one of the authors' willingness to register and present the communication at the conference if it is accepted. All accepted and presented papers in ROPEC 2025 will be published in the corresponding proceedings, and the proceedings will be submitted to IEEE Xplore.

#### **IMPORTANT DATES:**

March 3, 2025: Submission opening.

July 4, 2025: Full paper submission.

August 18, 2025: Acceptance notification.

September 12, 2025: Final paper submission

November 12-14, 2025: 2025 IEEE ROPEC Conference.

#### **PAPER SUBMISSION:**

The paper title, as well as the abstract, has to be in English, and the body of the paper must be either in English or Spanish and is limited to 6 pages using the IEEE templates found at [http://www.ieee.org/conferences\\_events/conferences/publishing/templates.html](http://www.ieee.org/conferences_events/conferences/publishing/templates.html)

Papers must be submitted in PDF format using the [EasyChair system](#) for the reviewing process.

Organizers:

<b>Dr. Alejandro Zamora, UMSNH, Mexico</b> <b>Dr. José Ortiz-Bejar, UMSNH, Mexico</b> <b>Dr. Héctor Chávez, USACH, Chile</b> <b>Dr. Francisco Zelaya, UTK, USA</b>	<b>Dr. Mario A. Paternina, UNAM, Mexico</b> <b>Dr. Luis R. Merchán, UGTO, Mexico</b> <b>Dr. Juan R. Rodríguez, UNAM, Mexico</b> <b>M.Eng. Manuel Ramos, UNAM, Mexico</b>
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