

CALL FOR PAPERS

Special Session: **Renewable Energy Systems**

Organizers:

(UMSNH-CA-103): Fernando Ornelas-Tellez, Juan José Flores Romero, Norberto García Barriga, J. Jesús Rico Melgoza and Félix Calderón Solorio,

Universidad Michoacana de San Nicolas de Hidalgo (contact: fernando.ornelas@umich.mx)

Dear Colleagues,

It is our pleasure to invite you to participate in the joined conferences 2024 IEEE PES Generation, Transmission & Distribution Latin America (GTD-LA24) and the 2024 IEEE Autumn Meeting on Power, Electronics and Computing (ROPEC24), by submitting papers on any topic related to this special session, which focuses in presenting recent advances around renewable energy and microgrids, such that a better use of available energy is achieved. The developments of new research in this topic provides of both environmental and technological benefits; therefore, it is needed to propose technologies and methodologies for an adequate energy utilization.

The topics of interest in this session include (but not limited to):

- Data Science in energy systems
- Renewable energy in smart grids
- Power Quality and ancillary services through renewable energy
- Frequency estimation in renewable-energy-based power systems
- Virtual inertia through energy storage
- Stochastic modeling and control of renewable energy
- Control systems for Grids and Microgrids
- Microgrids coordination
- Voltage and frequency regulation via inverters and renewable energy-based microgrids
- Energy forecast
- Energy storage and Energy Management
- Renewable energy generation and integration (solar, wind, biomass, biofuels, etc.)
- Electricity market
- Energy optimization and modeling

All accepted and presented papers in the conference will be indexed by IEEEExplore.

General information regarding manuscript submission important dates, conference fees, local accommodation can be found at: <http://gtdla-ropec24.ieeesco.org>

Sincerely yours,

Organizers of the Special Session