

CALL FOR PAPERS
Special Session: **Artificial Intelligence in Electrical Systems**

Organizers:

Juan J. Flores, Claudio Fuerte, Félix Calderón, Juan Anzures – Universidad Michoacana.

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Dear Colleagues,

It is our pleasure to invite you in participating in the international conference ROPEC 2020 by submitting papers on any topic related to this special session, which focuses in presenting recent advances of applications of Artificial Intelligence to Electrical Systems. This area has been growing since the early 80s, when Expert Systems later on Fuzzy Systems were applied to the solution of a large variety of problems in Engineering, in particular, to Electrical Systems. Since then a variety of techniques and methodologies that range from Artificial Neural Networks, Machine Learning, Qualitative Reasoning, Data Mining, and more recently Deep Learning have come to play in Electrical Systems.

This Special Session aims to gather high-quality contributions, reporting state-of-the-art work in the intersection between AI and ES. The expected articles must contain innovative algorithms and/or applications of AI to any type of ES. The topics of interest in this session include (but are not limited to):

Artificial Intelligence Areas	Electrical Systems
Artificial Neural Networks	Transmission Systems
Machine Learning	Distribution Systems
Data Mining	Automatic Control
Data Science	Load Forecasting
Fuzzy Reasoning	Electricity Markets
Deep Learning	Systems Identification
Evolutionary Computation	Hybrid Systems
Time Series Forecasting	Other applications of AI to Electrical Systems

All accepted and presented papers in the conference will be published in the ROPEC proceedings, which are indexed by IEEEExplore. General information regarding manuscript submission, important dates, conference fees, and local accommodation can be found at the ROPEC web page at: <http://ropec.org>

Sincerely yours,
Organizers of the Special Session



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