

Radioengineering



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and URSI Committees

**SPECIAL ISSUE: Power System Modeling Based on
Multi-Objective Optimization and Intelligent Algorithms**

The purpose of this special issue aims to provide a platform that allows active researchers to present their new ideas, comprehensive reviews, discoveries and developments concerning power system modeling via novel optimization methods and intelligent algorithms.

Deadline for initial paper submission is 31st March 2025.

Guest editors: prof. S. Li, prof. K. Nakamatsu, and Dr. F. Huang

Topics that are invited for submission include (not limited to):

- Hybrid model of multi-objective optimization algorithm in power system.
- Machine learning with power system optimization modeling.
- Power flow calculation and optimization problem of power system.
- Reactive power optimization objective and power flow optimization for power system operation.
- Energy storage optimization of distributed network.
- Reactive power optimization algorithm for system network loss.
- Multi-objective optimization of wind power system modeling with hybrid intelligent systems.
- Optimization strategies for battery energy storage systems.
- Application of genetic algorithm in multi-objective power grid optimization.



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