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Optimization and Fault Detection in Smart Power Grids

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Message from the Guest Editors

Dear Colleagues,

The smart grid is experiencing exponential growth mainly due to the great penetration of renewable energy into electric power systems and the integration of electric vehicles with the network. However, due to the intermittent nature of renewable energy sources in electric vehicles of small producers / self-consumers, optimization is one of the main tools for its design and maintenance, minimizing costs, losses of energy, etc.

Most networks have installations that are interconnected and require intelligence while maintaining proper working order, so fault detection to perform the repair and optimization processes to minimize its impact on the network are important.

This Special Issue will collect original research or review articles on the main technological advances in the design and maintenance of intelligent networks, in order to improve their planning, organization, costs, and intelligence covering any optimization technique, such as bioinspired, metaheuristics, support vector machines, etc.



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Special Issue



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Message from the Editor-in-Chief

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