# Special Issue

# New Innovation of Smart Grid in Complex Systems: Design, Technology, and Optimization

## Message from the Guest Editors

The is inviting submissions to a Special Issue of *Energies* entitled New Smart Grid Innovation in Complex Systems: Design, Technology, and Optimization. The energy systems form smart grids, so studying their elements, interactions, and structure as complex systems has necessitated innovative methods to control, manage, and optimize them. Many techniques and theories for smart grids have emerged in recent years. Moreover, artificial intelligence and multiagent systems are interesting topics to address the key challenges faced by smart grids, including forecasting, hybrid energy integration, vehicles to grid management, smart home management, and so on. This Special Issue will deal with novel modeling, simulation, optimization, and management techniques for smart grids. Topics of interest for publication include, but are not limited to: Smart grids; Complex systems; Energy systems; Hybrid energy systems; Artificial intelligence; Optimization techniques; Big Data; Multiagent models; Multiagent simulation.

## Guest Editors

Dr. Guillaume Guérard
Dr. Marc Bui
Dr. Soufian Ben Amor

## Deadline for manuscript submissions

closed (7 June 2023)

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# About the Journal

## Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

## Editor-in-Chief

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