



## Optimization and Modeling of Complex Energy Systems

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Deadline for manuscript  
submissions:

**closed (31 January 2021)**

### Message from the Guest Editors

Dear Colleagues,

Hybrid energy systems, combining two or more energy vectors into a single system, are a promising way of increasing the efficiency of energy production and demand but the complexity of their management increases when several types of energy sources are combined on the same site.

In this context, the Special Issue focuses on the research, development, and practical application of optimization methods applied to the optimal management and/or design of complex energy systems.

- Energy analysis and optimization
- Process integration, analysis, and optimization
- Refrigeration, air-conditioning, and heat pumps
- Power generation and CHP
- Renewable energy (solar, wind, hydro, etc.)
- Energy storage (batteries, thermal, hydrogen, etc.)
- Distributed generation and smart grids
- District energy supply and networks
- Biomass and biofuels
- Energy use
- Industrial energy use
- Energy conservation and management
- Environmental impacts of energy conversion
- Energy policy and planning
- Techniques addressing uncertainties in optimization of energy systems.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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