Optimisation Models and Methods in Energy Systems

Guest Editor:

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Deadline for manuscript submissions:
closed (6 May 2019)

Message from the Guest Editor

Contributions are expected to cover a wide range of topics including: Electricity smart grids; gas smart grids; district heating/cooling; integration of renewable generation; storage; demand side management and demand response; selection and location of equipment including communication issues; system reliability and provision of ancillary services; market design and operation. Further topics related to optimization models and methods to tackle challenging problems in energy networks and systems, namely regarding the evolution to smart grids, are welcome. Contributions reporting real-world case studies are particularly appreciated.

Papers must contain original research results including comprehensive mathematical models, algorithmic advances and extensive numerical experiments. Numerical illustrations cannot be toy examples, but real or realistic case studies for which all data should be provided (in the paper or as supplementary material) to ensure the replicability of results. The research reported in contributed papers should convey novel and significant work relative to the relevant literature.

Special issue

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Message from the Editor-in-Chief

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