



Local Electricity Markets: Current Trends, Mechanism Design and Participation

Guest Editors:

Dr. Nikolaos Paterakis

Electrical Engineering, Eindhoven
University of Technology, 5612 AZ
Eindhoven, The Netherlands

Dr. Juan S. Giraldo

Department of Electrical Energy
Systems, Eindhoven University of
Technology, Groene Loper 19,
5612 AP Eindhoven, The
Netherlands

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Message from the Guest Editors

Dear Colleagues,

The power sector is undergoing a transition characterized by the increasing decentralization and diversification of the generation mix, a tighter coupling with other energy carriers, as well as the intensified electrification of the transport sector and industrial processes. Wholesale electricity and ancillary service markets are constantly evolving in order to accommodate the characteristics of this transition by recognizing new market roles and enabling market floors and products to allow for more efficient portfolio management and guarantee seamless grid balancing. Local electricity markets have recently received significant attention both in terms of published literature and real-world implementations, especially in the context of microgrids, energy communities and peer-to-peer energy trading. Nonetheless, many challenges pertaining to the development of local electricity markets still remain.

This Special Issue invites contributions from different disciplines that address current challenges and bring forward new problems in local electricity markets. Both original research and comprehensive review papers are welcome.





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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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