

Special Issue

Advances in Energy Market and Distributed Generation

Message from the Guest Editor

Existing power systems are undergoing a significant transformation towards achieving a lower emission, more reliable, and more affordable operation. With a specific focus on the distribution level, there is huge potential for transforming the challenging operation issues into opportunistic solutions for the whole system, including providing voltage and frequency support. This problem requires comprehensive research in the field of smart grids, demand management, electric vehicles (EV) fleet management, optimal sizing, and the planning of distributed energy resources (DER). Topics of interest for publication include, but are not limited to, the following:

- Distributed energy resources (DER)
- Electric vehicles (EV)
- Battery energy storage system (BESS)
- Demand management
- Distribution energy market
- Peer-to-peer energy trading
- Multi-agent systems
- Distribution network service provider
- Distribution network planning and operation
- Distribution feeders voltage control
- Load forecasting
- Smart metering
- Smart grid

Guest Editor

Dr. Thair Mahmoud
School of Engineering, Edith Cowan University, Joondalup, WA 6027,
Australia

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closed (31 March 2025)



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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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