

## Special Issue

# Microgrid Design and Operation Based on Smart Management Systems and Transactive Energy Concepts

### Message from the Guest Editors

This Special Issue aims to gather some of the latest efforts for creating novel management systems, trading mechanisms, and technical ideas, applied, but not limited to, microgrids with distributed generation, taking advantage of the concepts presented above, with regard to energy efficiency and influence on the current state-of-the-art in electricity network operation and control. Submissions to this Special Issue are directed, but not limited to, the following main areas:

- Prosumers and small-scale electricity generation;
- Microgrid community and crowdsourcing concept;
- Smart grid flexibility management;
- Peer-to-peer energy trading in microgrids;
- Blockchain for decentralized management of DR programs;
- Flexibility assessment and forecasting;
- Energy management for electric vehicles integration;
- Virtual power plant;
- Energy assets decentralized coordination;
- Energy markets operation and coordinated clearance mechanisms
- Demand response;
- Microgrid design and operation;
- Smart management systems;
- Transactive energy concepts;
- Information and communication technologies.

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### Deadline for manuscript submissions

closed (31 August 2022)



## Electronics

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## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

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