



Applications of IoT for Microgrids

Guest Editors:

Dr. Shama Islam

School of Engineering, Deakin
University, Waurin Ponds, VIC
3216, Australia

Dr. Apel Mahmud

Department of Mathematics,
Physics and Electrical
Engineering, Northumbria
University, Newcastle, UK

Deadline for manuscript
submissions:

closed (30 November 2020)

Message from the Guest Editors

This Special Issue focuses on different IoT applications for microgrids and will stress, among others, on the following main topics:

- IoT for local energy trading in microgrids
- Energy management in microgrids
- Modeling of local energy markets in microgrids
- Power sharing strategies for both individual and multiple microgrids
- Information and communication infrastructure for IoT enabled local energy trading
- Open energy-sharing platforms
- Cyber security for IoT-enabled local energy trading
- Applications of IoT for power conversions in microgrids

Welcome to contribute your excellent work to our [Special Issue!](#)





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://x.com/electronicsMDPI)