

## Special Issue

# Active Regional Energy Systems and Microgrids

### Message from the Guest Editors

Topics of interest to this Special Issue include but are not limited to:

- Planning and operation of active energy networks and microgrids
- Control and protection of AEGs
- Energy hubs and multicarrier energy systems
- Integrated energy systems and microgrids clusters
- Regional energy system regulatory frameworks, markets, and ancillary services
- Risk modeling and management in AEGs
- Micro- and nano-energy systems and technologies
- Energy conversion, storage, and management
- Modelling and optimization of AEGs
- Distributed generation resources
- Transactive energy
- Energy forecasting
- Energy resource management
- Renewable technology assessment and management
- Flexible demand and energy storages
- Cyberphysical systems, information and communication infrastructure, and data analytics
- Real-world practical applications of regional energy system and microgrids. Welcome to contribute!

### Guest Editors

Prof. Dr. Amjad Anvari-Moghaddam

Department of Energy Technology, Aalborg University, 9220 Aalborg, Denmark

Prof. Dr. João P. S. Catalão

Faculty of Engineering, University of Porto, Porto, Portugal

### Deadline for manuscript submissions

closed (28 February 2021)



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/26110](https://mdpi.com/si/26110)

*Electronics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto:electronics@mdpi.com)

[mdpi.com/journal/  
electronics](https://mdpi.com/journal/electronics)





# Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/journal/  
electronics](https://mdpi.com/journal/electronics)



## 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.

---

### Editor-in-Chief

Prof. Dr. Flavio Canavero

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

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPus /  
SciFinder, Inspec, Ei Compendex and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /  
CiteScore - Q1 (Electrical and Electronic Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 16.8 days after  
submission; acceptance to publication is undertaken in 2.4  
days (median values for papers published in this journal in  
the first half of 2025).