

## Special Issue

# Integration of Fluid Renewable Energy and Integrated Energy Systems: From Traditional Hydropower to Emerging Ocean Energy Technologies

### Message from the Guest Editors

This Special Issue aims to compile high-impact research on technological breakthroughs and grid integration challenges for fluid renewable energy within modern multi-energy networks. By bridging traditional hydropower expertise with emerging marine technologies, we will address scalability, environmental synergy, and digitalization pathways for sustainable energy transitions. The scope aligns with the journal's focus on renewable energy systems, grid stability and storage solutions. Research areas may include the following:

- Hydropower and PSH Innovations: Couple field analysis, stable operation and control, efficiency upgrades, ecological retrofitting, small-scale systems, and hybrid pumped storage designs.
- Marine Energy Harvesting: Tidal/wave converter optimization, ocean thermal energy conversion (OTEC), and durability in harsh environments.
- Grid Integration and Flexibility: Role in ancillary services, multi-energy complementarity, and stability control with variable renewables.
- Digitalization and AI: Predictive maintenance, smart grid interoperability, and digital twin applications.

### Guest Editors

Dr. Chen Feng

Prof. Dr. Yuquan Zhang

Dr. Changliang Ye

Dr. Chengyi Li

### Deadline for manuscript submissions

15 March 2026



## Electronics

an Open Access Journal  
by MDPI

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/251473](https://mdpi.com/si/251473)

*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 guestedited 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), CAPlus /  
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).