

## Special Issue

# Power Systems and Energy Systems: Technologies and Applications, 2nd Edition

### Message from the Guest Editor

Following the success of the first edition of "Power Systems and Energy Systems: Technologies and Applications," we are excited to present the second edition, highlighting the latest research and innovations.

Power systems are complex networks, with renewable energy and distributed generation increasing their complexity. Analyzing, designing, and operating these systems requires effective solutions for issues like load flow, fault location, system recovery, and economic dispatch. Engineers must continuously update their knowledge to address new challenges in next-generation networks.

This Special Issue, "Power Systems and Energy Systems: Technologies and Applications, 2nd Edition," will focus on advanced research in power systems and next-generation power electronics. Topics include, but are not limited to, the following:

- Power systems;
- Energy management systems;
- HVDC power transmission;
- Optical fiber sensing technology;
- DC high current detection technology;
- Acoustic emission detection technology;
- Power electronics technologies in power systems.

---

### Guest Editor

Dr. Yingyi Liu

School of Automation Science and Electrical Engineering, Beihang University, Beijing 100191, China

---

### Deadline for manuscript submissions

30 December 2025



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/238657](https://mdpi.com/si/238657)

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

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





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### 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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )