

## Special Issue

# Grid Innovation in the Era of Smart Grids, Volume X

### Message from the Guest Editor

Smart grids are the enablers for a new era in sustainable energy. Electric utilities are undergoing a significant transformation and face new challenges and expectations to foster the energy transition and decarbonization with innovative network structures, control schemes, and methodologies. Grid innovation has become crucial, and new technologies will be the key to a smooth transition. In the smart grid era, innovative solutions and technologies for creating intelligent, flexible, and efficient power networks are needed. Thus, distribution networks need to become more flexible and intelligent so distributed energy resources (DERs) and network elements can be adequately managed. These challenges require new tools, strategies, and technologies to manage the transition to the distributed grids of tomorrow and to improve grid reliability and resiliency. You are invited to submit original contributions that promote exploratory research and development of electricity grid innovation while addressing the challenge of a reliable and sustainable distribution system.

---

### Guest Editor

Dr. Susanna Mocci

Department of Electrical and Electronic Engineering, University of Cagliari, 09123, Cagliari, Italy

---

### Deadline for manuscript submissions

closed (20 November 2023)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/145939](https://mdpi.com/si/145939)

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

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

[appls](https://appls)





# 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, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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