



## Power Electronics and Its Applications in Power System

Guest Editors:

**Dr. Mohsen Ebadpour**

Research & Innovation Center for  
Electrical Engineering (RICE),  
University of West Bohemia,  
Univerzitni 8, 30100 Pilsen, Czech  
Republic

**Dr. Naser Vosoughi**

Department of Electrical and  
Computer Engineering, San  
Diego State University, San  
Diego, CA 92182, USA

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### Message from the Guest Editors

In recent years, significant research has been conducted to provide novel topologies that combine micro grids and AC voltage generation into the power systems. Therefore, the application of power electronics in electrical systems could be an effective solution to improve the efficiency, reliability and compactness of power systems. This Special Issue welcomes submissions of original research and review papers in the field of power electronics and its applications in power systems. Major topics include, but are not limited to, the following:

- Power electronic converters;
- HVDC and HVAC;
- Power electronics-equipped devices in power systems;
- Flexible AC transmission systems;
- Control and implementation techniques for power converters;
- Power converters design, reliability and power density for renewable energy systems;
- Smart grids, power market and intelligent systems;
- Digital modeling of power electronic devices and AI-based technologies.





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## 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.

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*Electronics* Editorial Office  
MDPI, St. Alban-Anlage 66  
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