



Advanced Instrumentation for Power Converter Applications

Guest Editors:

Dr. Eduardo M. G. Rodrigues

Department of Electrical and
Computer Engineering, Instituto
Superior Técnico, 1049-001
Lisbon, Portugal

Dr. Edris Pouresmaeil

Department of Electrical
Engineering and Automation,
Aalto University, 02150 Espoo,
Finland

Dr. Radu Godina

Faculty of Science and
Technology, Universidade NOVA
de Lisboa, 2829-516 Caparica,
Portugal

Deadline for manuscript
submissions:

closed (31 January 2021)

Message from the Guest Editors

Improvements in instrumentation can be submitted but not limited to in the following areas:

1. Instrumentation supporting new control techniques, which includes, for example, data acquisition and signal processing at analog/digital side;
2. Instrumentation to support diagnosis services on power electronics devices;
3. Instrumentation to support reconfiguration of power converter units in order to minimize downtime in case of failure and maximize power generation;
4. Sensing based on digital signal processing techniques;
5. Alternative sensing techniques that can improve switching trajectory in most recent power devices, such as silicon carbide (SiC) Mosfet and gallium nitride (GaN) FET.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Lei Shu

1. College of Artificial Intelligence,
Nanjing Agricultural University,
Nanjing 210095, China
2. School of Engineering, College
of Science, University of Lincoln,
Lincoln LN6 7TS, UK

Message from the Editor-in-Chief

I encourage you to contribute research and comprehensive review articles for publication in Journal of Sensors and Actuator Networks (JSAN), an international, open access journal which provides an advanced forum for research findings in areas of sensors and actuators. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sensors and actuators and fostering applications of sensor-based measurements and effective actuator incorporation.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, ESCI (Web of Science), dblp, Inspec, and other databases.

Journal Rank: CiteScore - Q1 (*Control and Optimization*)

Contact Us

*Journal of Sensor and Actuator
Networks* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/jsan
jsan@mdpi.com
X@JSAN_MDPI