Special Issue

Advanced Transducers and Systems for Voltage and Current Measurement

Message from the Guest Editors

With the advance of power electronics technologies, transducers have to work on a wide range of frequencies, which is posing new and unexpected problems for designers and developers to solve. To this end, research efforts are developing new technologies for voltage and current sensing or digital signal processing techniques to improve the performance of existing voltage and current transducers. In addition, the accuracy assessment of voltage and current sensors is currently a challenging aspect, especially for power applications, in the wide sense of the term, since due to their metrological characterization, accurate generation and measurement of high voltage and current values in a wide frequency range are required. Moreover, another challenging aspect for voltage and current sensing comes from the introduction of digital substations into electrical power systems, which require sensors with digital output. This Special Issue is focused on advanced voltage and current sensing techniques, including accuracy verification, and calibration and techniques for performance improvement, for all applications in the energy and e-mobility fields.

Guest Editors

Prof. Dr. Carmine Landi

Prof. Dr. Daniele Gallo

Dr. Mario Luiso

Deadline for manuscript submissions

closed (30 September 2020)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/25483

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/sensors

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/journal/sensors

About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, 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), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)