Special Issue

Recent Progress in Optical Voltage and Current Sensors

Message from the Guest Editor

Voltage and current measurements are required in different industrial applications across many sectors. Optical voltage and current sensors offer a number of benefits over their conventional equivalents, such as light weight, small size, wide bandwidth, high accuracy, immunity to electromagnetic interference, and galvanic isolation. Some of the optical voltage and current sensors have matured to the point that they meet the relevant industry standards, and they may provide a direct replacement for their conventional counterparts.

This Special Issue aims at presenting the latest research activities in the field of optical voltage and current sensors, distributed voltage and current sensing, sensor networks, and their applications in power and energy sectors. The Special Issue will also focus on new sensor designs, fabrication methods, sensing techniques, and system architectures to achieve improved measurement accuracy and resolution, and unique functionality in voltage and current monitoring on AC and DC networks. Authors are invited to submit both review and original research articles describing recent progress in optical voltage and current sensors.

Guest Editor

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Deadline for manuscript submissions

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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.

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