Special Issue

Sensors, Systems and Methods for Power Quality Measurements

Message from the Guest Editors

This Special Issue is dedicated to devices, measurement/generation systems, and methods/algorithms essential for measuring, analyzing, replicating, synthesizing, and mitigating power quality signals and phenomena. Detecting power quality phenomena demands suitable voltage and current sensors/transducers, which require periodic characterization. Consequently, new-generation systems/instruments are imperative for simulating power quality phenomena and evaluating sensor performance. Subsequently, specialized algorithms and signal processing methods are essential for isolating relevant components and conducting comprehensive analyses. Finally, well-known parameters are typically used to quantify power quality events. However, new ones are welcomed and sometime necessary to address emerging aspects.

- sensors
- transducers
- power quality
- harmonics
- supraharmonics
- signal processing
- high frequency
- measurement systems
- signal generation
- distubances

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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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