Topical Collection

Dielectric Sensing-Based Systems and Applications

Message from the Collection Editors

Dielectric properties are fundamental characteristics of materials and, as such, they are often used to describe the “fingerprint” of a material in various applicative contexts. This Topical Collection is open to research and review contributions related to 1) innovative methods and systems for the characterization of dielectric properties of materials and 2) innovative sensing and monitoring systems that resort to measurement of dielectric properties to retrieve other information on the system under test. The list of topics includes but is not limited to:

- Enhancement of the accuracy of existing dielectric measurement systems;
- Development and validation of innovate dielectric permittivity models;
- Development of innovative sensing and monitoring systems based on dielectric measurements;
- Development of innovative probes or sensing elements for measuring dielectric properties.

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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

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