Special Issue

Sensor Technologies for Microwave Imaging

Message from the Guest Editor

Microwave imaging sensors are used to generate incident radiation and collect the field resulting from the electromagnetic interaction with the structure under testing. Microwave imaging (MWI) is crucial in nondestructive testing (NDT) applications, subsurface sensing, ground penetrating radar (GPR) prospection, and biomedical imaging. The aim of this Special Issue is to highlight the most recent research regarding sensing technologies for microwave imaging. Research articles and reviews that provide a comprehensive insight into sensing technologies for microwave imaging on any aspect of sensor development and applications are welcome. Topics of interest include, but are not limited to, the following:

- Biomedical imaging;
- Biosensing;
- Concealed-weapon detection;
- Non-destructive testing;
- Automotive radar;
- Vehicle guidance;
- Microwaves and other electromagnetic waves;
- Industrial and medical applications of microwaves;
- Materials testing;
- Microwave measurement techniques.

Guest Editor

Prof. Dr. Sandra Costanzo Department of Computer Engineering, Modeling, Electronics and Systems, University of Calabria, 87036 Arcavacata, Italy

Deadline for manuscript submissions

closed (20 February 2023)



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

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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.

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

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