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Terahertz Imaging Sensors and Detectors

Guest Editors:

Dr. Matteo Perenzoni

Sony Europe Technology
Development Centre, Via
Sommarive 18, 38123 Trento,
Italy

Prof. Dr. Lucio Pancheri

DII, University of Trento, Via
Sommarive, 9, 38123 Trento, Italy

Deadline for manuscript
submissions:

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Message from the Guest Editors

Dear Colleagues,

Progress in sensing and imaging in the terahertz frequency range (0.1-10 THz) has been disruptive in the recent years, with the development of multiple technological solutions for high-performance detectors and focal plane arrays. This special issue covers all recent advances in the detection of terahertz radiation, with a special focus on the use of these detectors for image sensing. Topics include theoretical analysis, modeling of detectors, new sensing techniques, terahertz imagers, camera systems, measurement and experimental setups. Peculiar configurations such as near field THz imaging, SNOM, THz optical coherence tomography, light field imaging, quantum schemes, etc. are of great interest. Review papers providing an overview of the current state-of-the-art of terahertz imaging sensors and detectors are also welcome.

Dr. Matteo Perenzoni
Prof. Dr. Lucio Pancheri
Guest Editors



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Special Issue



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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

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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Sensors Editorial Office
MDPI, St. Alban-Anlage 66
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