

Special Issue

Advanced Massive MIMO and mmWave Communication Systems for Next-Generation Wireless Networks

Message from the Guest Editors

This Special Issue aims to bring together high-quality research contributions that address both the theoretical and practical aspects of Massive MIMO systems in 5G and beyond, emphasizing the measurement and analysis of radiated electromagnetic fields. We welcome original research articles, reviews, and technical communications that explore innovative concepts, experimental methodologies, and real-world applications. Submissions may cover, but are not limited to, the following topics:

- Massive MIMO system design and implementation: Novel architectures, channel modeling, beamforming, precoding techniques, and performance analysis in 5G and beyond networks.
- Electromagnetic field measurement techniques: Advanced methods for measuring radiated electromagnetic fields, calibration procedures, and experimental validations in complex antenna systems.
- The integration of sensors and monitoring solutions: Sensor technologies for the real-time monitoring of electromagnetic exposure, compliance testing, and mitigation strategies.
- Standardization and regulatory aspects: Evaluation of electromagnetic field standards, safety assessments, and contributions to policy development.

Guest Editors

Prof. Dr. Nicola Pasquino

Department of Electrical Engineering and Information Technologies,
University of Naples Federico II, 80125 Naples, Italy

Dr. Daniele Franci

Istituto Superiore per la Protezione e Ricerca Ambientale, Roma, Italy

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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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