Special Issue

Design and Application of Millimeter Wave Antennas

Message from the Guest Editor

As demands grow for high data transmission rates, low latency, and high reliability, there has been a continuous pursuit of wider bandwidths in vehicular communications. This has attracted extensive research interests in vehicular antennas for millimeter-wave (mmWave) and sub-terahertz (sub-THz) bands. Although these bands offer great opportunities of providing data-rates on the order of multiple Gbit/s, a thorough understanding of challenges in the antenna design needs to be developed in order to ensure successful deployment in practice. In this Special Issue, we introduce innovative solutions to enable potential advances in antenna technology for emerging vehicular applications, including but not limited to mmWave and sub-THz spectrums. We encourage submissions on areas related to:

- Antennas for autonomous vehicles
- Antennas for air, land, and sea vehicles
- Wave propagation and channel environment
- Considerations on physical implementation
- Vehicle-to-everything (V2X) communications

Guest Editor

Dr. Gangil Byun

Department of Electrical and Computer Engineering, Ulsan National Institute of Science and Technology, Ulsan 44919, Korea

Deadline for manuscript submissions

closed (31 March 2022)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 9.4
Indexed in PubMed

mdpi.com/si/95615

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

mdpi.com/journal/sensors

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 9.4
Indexed in PubMed

mdpi.com/journal/sensors

About the Journal

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
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)