Special Issue

Modeling and Measurements of Propagation Environments for 5G and beyond Networks

Message from the Guest Editors

5G and beyond networks will be based on millimeter-wave and terahertz bands. The emerging systems also use lower microwave ranges. The development of propagation and channel models for designing and planning the new emerging wireless networks is important. This Special Issue covers topics related to new and emerging technologies in communication systems and networks, focusing on channel modeling and propagation measurements on 5G networks and beyond. Topics of interest include but are not limited to thefollowing:

- Channel modeling for cellular, IoT, V2X, satellite networks, BANs, WSNs, MANETs, etc.;
- Propagation measurements in the range of centimeter, millimeter, and terahertz waves;
- Novel estimation methods of current channel state;
- Accuracy and error conditioning;
- Channel models in systems;
- Machine learning and artificial intelligence algorithms;
- Analytical, geometric, statistical, stochastic, or deterministic approaches to modeling stationary or time-varying channels;
- Building of electromagnetic situation awareness in cognitive radio networks;
- Designing, spatial planning, and modeling the emerging and future wireless networks

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Deadline for manuscript submissions

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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.

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