



Channel Measurements, Modelling and Simulations for Future Wireless Communication Systems

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Message from the Guest Editors

In recent years, there has been a growing demand for multimedia services, high transmission speeds, and global connectivity, which has led to the emergence of new radio technologies and wireless communications systems. In this context, knowledge of the propagation channel is essential for the flexible and practical design, optimization, and deployment of these systems. Currently, research into wireless channels is wide variety of challenges, such as channel modeling, parametrization, and simulation in different frequencies and communication scenarios.

The topics of interest include, but are not limited to the following:

- Centimeter and millimeter wave propagation;
- 5G and beyond propagation channels;
- Vehicular (V2X) propagation channel;
- High-speed railway (HSR) channels;
- Tunnel and confined environments;
- Air-to-air propagation channels for unmanned aerial vehicles (UAVs);
- MIMO and massive MIMO channels;
- Channel parameters estimation methods;
- Channel sounders configuration and measurement techniques;
- Hardware and software channel simulators.





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Message from the Editor-in-Chief

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