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Channel Characterization for Wireless and Mobile Communications

Guest Editor:

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Deadline for manuscript submissions:
closed (30 September 2021)

Message from the Guest Editor

The knowledge of the radio channel has historically been a fundamental element for the development of radio communications. Successive generations of mobile communications, from precursor analogue systems to the present day (5G and beyond), have been preceded by significant efforts to know and characterize the radio channel. Along with the development and deployment of the new mobile and wireless systems encompassed under the 5G, the characterization and modelling of radio channels in new frequency bands that are suitable for new technologies and new environments are topics of great interest.

The main objective of this Special Issue is to contribute to the latest advances on channel characterization for wireless and mobile communications. The topics of interest include, but are not limited to the following:

- Channel models for mmW communications.
- Massive MIMO channel measurements and models.
- V2V channel characterization and modelling including high mobility.
- Three-dimensional models, spatial-consistency, and time evolution.
- Hybrid channel models.
- Models for special scenarios: tunnels, industrial, underwater, etc.
- Impact of channel in 5G system performance.

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Message from the Editor-in-Chief

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