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Millimeter-Wave (mmWave) Communications

Guest Editor:

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Deadline for manuscript submissions:
closed (30 September 2019)

Message from the Guest Editor

The large bandwidth available will enable a number of new use cases for 5G. In addition, due to the large propagation attenuation, this frequency band may present some additional advantages regarding frequency reuse and communication security. On the other hand, however, a number of issues have to be addressed to make mmWave communications viable. A lot of effort is currently being made in the following topics:

- Channel measurement, modeling, and estimation;
- Antenna design and antenna measurement;
- Beamforming and energy efficiency;
- Commercial hardware design and development;
- MIMO and massive MIMO (m-MIMO);
- Multicell cooperation;
- Network planning and interference;
- System performance assessment and optimization;
- New case uses and applications.

More detailed information, please refer to the webpage mdpi.com/si/21212

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Message from the Editor-in-Chief

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