Special Issue

Millimeter-Wave and Terahertz Technologies for Wireless Communications, 2nd Edition

Message from the Guest Editors

This Special Issue seeks to identify key enabling technologies to support mmWave/THz communications. These technologies include mmWave/THz wave propagation and channel modelling, radio frequency (RF) frontend and antenna design, quality of service (QoS)/quality of experience (QoE) improvement, and mobility support, amongst others. **Topics of interests include, but are not limited to, the following:**

- mmWave/THz wave propagation and channel modelling;
- High-power mmWave/THz amplifiers;
- RF frontend and antenna design;
- Channel estimation and hybrid precoding for mmWave/THz systems;
- Resource allocation/management and QoS/QoE improvement for mmWave/THz systems;
- Network architectures and protocols for mmWave/THz communications;
- Anti-blockage and mobility support techniques for mmWave/THz systems;
- Energy-efficiency and green operation for mmWave/THz systems;
- mmWave/THz systems integrated with AI and digital twin technologies;
- mmWave and THz simulators, prototyping and implementations.

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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