Special Issue

MM-Wave and MIMO Communication System

Message from the Guest Editor

Millimeter-wave (mmWave) networking is becoming a core technology to drive the emerging wireless evolution. Owing to abundant frequency resource and highly directional MIMO communication paradigm, which is spurring a series of new mobile applications including untethered virtual reality (VR), 8K UHD display mirroring, instantaneous file synchronization, etc. On the other hand, the mmWave radios also open new opportunities for fine-grained sensing. This special issue seeks new ideas to address the challenges of mmWave and MIMO communication and sensing systems. Potential topics include but are not limited to:

- Waveform-design, beam-forming and beam-tracking algorithms for mmWave systems
- interference management and resource allocation of directional mmWave networks
- Scalable mmWave system serving large number of devices
- Human sensing via mmWave radios
- mmWave communication or sensing on emerging mobile platform, like drones, cars, and robots
- Measurement studies and deployment experiences of mmWave networking/sensing systems
- integration of mmWave sensing and communication

Guest Editor

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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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