

## 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

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### Guest Editor

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### Deadline for manuscript submissions

closed (10 May 2023)



## Sensors

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### Editor-in-Chief

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