

Special Issue

Device to Device (D2D) Communication

Message from the Guest Editor

The goal of this Special Issue of *Sensors* is to present the latest research contributions to challenges faced by D2D communications in emerging ultra-dense networks, including security, cryptography, privacy and social-aware D2D communications, multi-hop D2D communications, cross-layer design for D2D communications, node discovery for D2D communications, mode selection in D2D-enabled networks, efficient in-band and out-band resource allocation, interference mitigation and management techniques, power control and optimization, NOMA D2D-enabled networks, and performance analysis techniques. Readers of *Sensors* have a strong interest in the research progress in this emerging research field on wireless communications and networks.

- multi-hop
- cross-layer design
- mode selection
- node discovery
- resource allocation
- interference
- power control
- secrecy
- security in D2D communications
- network modeling
- performance analysis

Guest Editor

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Message from the Editor-in-Chief

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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