







an Open Access Journal by MDPI

# **D2D Communications in 6G Heterogeneous Ultra Dense Networks**

Guest Editor:

#### Dr. Fotis Foukalas

Department of Informatics and Telecommunications, University of Thessaly, 38221 Volos, Greece

Deadline for manuscript submissions:

closed (30 June 2022)

## **Message from the Guest Editor**

While a wireless transmission distance will become much shorter in case of ultra dense networks. communication is envisioned to continuously evolve into the 6G wireless communication networks. Such an evolution is able to efficiently support a much larger and more diverse set of devices and applications. Heterogeneous ultra dense networks (HUDNs) integrated with D2D communications is considered as one of the main. elements of the future 6G networks, D2D communications. in HUDNs can improve users' quality of experience while reducing both power consumption and latency and increasing the network throughput, enhancing proximity services. HUDNs can also give access through the unlicensed spectrum and thereby increase the overall spectral efficiency. Moreover, D2D communication can enable various differnet vertical applications such as vehicular and public safety communications.

- device-to-device
- heterogeneous ultra dense networks
- vertical applications













an Open Access Journal by MDPI

### **Editor-in-Chief**

### Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

# **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.

#### **Author Benefits**

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases. **Journal Rank:** JCR - Q2 (*Instruments & Instrumentation*) / CiteScore - Q1

(Instrumentation)

#### **Contact Us**