



Unmanned Aerial Vehicle (UAV)-Enabled Wireless Communications and Networking II

Guest Editor:

Dr. Margot Deruyck

Department of Information
Technology, IMEC-Ghent
University-WAVES,
Technologiepark-Zwijnaarde
126, 9052 Ghent, Belgium

Deadline for manuscript
submissions:

closed (15 February 2023)

Message from the Guest Editor

The emerging massive density of human-held and machine-type nodes implies a larger deviation in the traffic than we are facing today. In future the network will be characterized by a high degree of flexibility, allowing it to adapt smoothly, autonomously, and efficiently to the quickly changing traffic demand both in time and space. This flexibility cannot be achieved when the network's infrastructure remains static. To this end, the topic of UAV (unmanned aerial vehicle)-enabled wireless communications and networking has received increased attention of late.

As mentioned above, the network must serve a massive density of nodes going forward, which can be either human-held (user devices) or machine-type nodes (sensors). If we wish to properly serve these sensors and optimize their data, a proper wireless connection is fundamental. This can be achieved by using UAV-enabled communication and networks.

This Special Issue will address the many existing issues that still exist to allow UAV-enabled wireless communications and networking.

- UAV-aided network
- UAV-enabled communication
- drones
- UABS
- 5G
- beyond 5G





sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and
Information Engineering,
Politecnico di Bari, Via Orabona
4, 70126 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 and Instrumentation) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)