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Unmanned Aerial Systems and Sensor Networks

Guest Editor:

Dr. José Ramiro Martínez-De-Dios

School of Engineering, University of Seville, Avda. Camino de los Descubrimientos, 41092 Seville, Spain

Message from the Guest Editor

This Special Issue will publish innovative works that explore new trends, frontiers and challenges in the field of UAS–SN cooperation, including new architectures, techniques and protocols, as well as implementation issues, devices, real-world deployments and new applications.

Topics of interest include, but are not limited to:

- Architectures and UAS–SN integration
- Cooperation between UAS and static SNs
- Cooperation between UAS and networked ground robots
- UAS–SN communication models
- UAS–SN modeling, simulation and performance
- SN algorithms for integration with UAS
- UAS control and planning for integration with SN
- UAS–SN perception
- Security issues and protocols
- Devices and hardware design
- Implementation issues
- Real-world deployments and lessons learnt
- Applications: data collection, wireless aerial networks, target detection, smart cities, structural monitoring, earth/crop monitoring, animal monitoring, among many others

Deadline for manuscript submissions:

closed (31 December 2019)



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Special Issue



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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

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Sensors Editorial Office
MDPI, St. Alban-Anlage 66
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