

## Special Issue

# Advanced UAV-Based Sensor Technologies

### Message from the Guest Editors

The use of Unmanned Aerial Vehicles (UAVs) in the global civilian market is continually growing. This trend is due to the integration of high-performance processors, sensors, and electronic devices with a lower power consumption on UAV platforms. More and more sensors are being embedded on UAVs to ensure safety and automatic navigation and perform measurements during the flight according to the mission targets. Of special interest is research work that seeks to address recent developments in new technology for metrology-assisted production in aerospace industry, UAV component measurement, sensors and associated signal conditioning for aerospace, and calibration methods for electronic testing and measurement for aerospace, as well as relevant prospects in terms of opportunities and challenges. Papers are encouraged in, but not limited to, the following topics: electronic instrumentation for UAV; automatic test equipment; sensors and sensor systems for UAV applications; monitoring systems; metrology for navigation and precise positioning; flight test techniques; UAV swarms; aerial-photogrammetry; health structural monitoring; precision agriculture; search and rescue with UAV.

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### Guest Editors

Prof. Dr. Pasquale Daponte

Dr. Francesco Picariello

Dr. Eulalia Balestrieri

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### Deadline for manuscript submissions

closed (31 March 2024)



## Sensors

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*Sensors*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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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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### 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

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