Special Issue

Advances on UAV-Based Sensing and Imaging

Message from the Guest Editors

Unnamed Aerial Vehicle (UAV)-based sensing and imaging aims at compiling the recent trends on UAV-equipped sensors and analytics for studying critical conditions and assessing useful interpretations of physical events on the earh surface. Particular focus is on events relating to flora and fauna, including terrain development and the motion of species, even through foliage.Contributions of interest cover the entire range of operations, from the capturing of imaging from any kind of remote sensor to the multiple processing tasks, machine learning, and computer vision algorithms. The increase in remote sensing systems allowed a wide collection of data from any target on the Earth's surface. In this regard, due to recent technological breakthroughs, aerial imaging has become a common approach to acquiring data with the advent of UAV. The challenge in remote sensing is to obtain automatic, rapid, and accurate information. Thus, our goal is to welcome new contributions to methods and applications that impact the advances on UAV-based sensing and imaging through novelty, practicality, and easy human application of the proposed method and application.

Guest Editors

Prof. Dr. Michalis Zervakis

School of Electrical and Computer Engineering, Technical University of Crete, 73100 Chania, Crete, Greece

Dr. Marios Antonakakis

Kounoupidiana Campus, DISPLAY Laboratory, School of Electrical and Computer Engineering, Technical University of Crete, 73100 Chania, Crete, Greece

Deadline for manuscript submissions

closed (31 August 2024)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

About the Journal

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.

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

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)