

# Special Issue

## UAV Imaging and Sensing

### Message from the Guest Editors

Aerial sensing/imaging has become a very hot research field with the latest development of UAV and related sensing devices (Optical, multispectral, hyperspectral, thermal, lidar, laser and optical SAR). Due to this UAV and related device development, a wide range of their applications have been utilized in agriculture, transportation, the construction industry, rescue tasks and so on. This Special Issue calls for papers regarding the latest research findings related to UAV-based imaging/sensing and their applications. **Keywords:**

- UAV sensing devices
- radiometric and geometric calibration of UAV sensing devices
- AI-based aerial sensing and processing
- aerial big data
- UAV onboard data processing
- aerial image processing
- registering and fusion
- UAV-based image collaborative processing
- UAV camera/sensor networks
- autoflight for sensing/imaging
- aerial object and change detection
- aerial sensing/imaging applications

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### Guest Editors

Dr. Chinthaka Premachandra

Dr. Tomotaka Kimura

Dr. Benoit Vozel

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### Deadline for manuscript submissions

closed (30 November 2022)



## Sensors

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## 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.

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### Editor-in-Chief

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