



Advances and Innovative Applications of Unmanned Aerial Vehicles

Guest Editor:

Dr. Ming-Der Yang

Distinguished Professor & Chair,
Department of Civil Engineering,
National Chung Hsing University,
Taichung, Taiwan

Deadline for manuscript
submissions:

closed (30 June 2021)

Message from the Guest Editor

Theme and Scope

Aiming to promote an international exchange of scientific knowledge and experience in the field of UAV applications, we propose a Special Issue “**Advances and Innovative Applications of Unmanned Aerial Vehicles**”. This Special Issue will bring together academic and industrial papers in the field of UAVs to share the techniques and applications of consumer drones. We expect to publish 15+ valuable papers related to precious research outcomes. This Special Issue will provide a valuable opportunity to exchange ideas and expertise as well as network with research groups worldwide. Prospected authors are invited to submit their original contributions, surveys, and case studies that address novel research on and valuable applications of UAVs.

The main topics include but are not limited to:

- 3D scene reconstruction of UAVs;
- Autonomous UAVs;
- Artificial intelligence in UAVs;
- Big data and machine learning for UAVs;
- High-resolution UAV image processing and applications;
- Spectrum sensing techniques for UAV detection;
- Simultaneous localization and mapping for UAVs;
- Tracking, localization, navigation, and dynamic path planning of UAVs.





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S.
Geological Survey (USGS), USGS
Western Geographic Science
Center (WGSC), 2255, N. Gemini
Dr., Flagstaff, AZ 86001, USA

Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank: JCR - Q1 (*Geosciences, Multidisciplinary*) / CiteScore - Q1 (*General Earth and Planetary Sciences*)

Contact Us

Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)