Special Issue

Unmanned Aerial Vehicles for Photogrammetry

Message from the Guest Editors

This Special Issue will focus on new UAV photogrammetry trends. Photogrammetry based on unmanned aerial vehicles (UAV photogrammetry) due to the intensive development of UAV technology (fixed-wings, multi-rotors) and computer vision algorithms is currently a very popular technology. We seek submissions reviewing trends of UAV photogrammetry in, but not limited to, the fields of image quality, large area mapping, powerline inspection, positioning accuracy, and deep learning methods in matching images.

- unmanned aerial vehicles (UAVs)
- photogrammetry
- dense image matching
- georeferencing accuracy
- GNSS RTK camera positioning
- bundle block adjustment
- image quality assessment
- deep learning in stereo matching
- point clouds
- structure from motion
- digital terrain model (DTM)
- digital surface model (DSM)
- true-ortho geometric accuracy assessment
- mapping accuracy

Guest Editors

Dr. Damian Wierzbicki

Institute of Geospatial Engineering and Geodesy, Faculty of Civil Engineering and Geodesy, Military University of Technology, 00-908 Warsaw, Poland

Dr. Kamil Krasuski

Institute of Navigation, Military University of Aviation, 08-521 Dęblin, Poland

Deadline for manuscript submissions

closed (3 June 2022)

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Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

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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.

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

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