



Unmanned Aerial Vehicles for Photogrammetry

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

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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





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Editor-in-Chief

Dr. Prasad S. Thenkabail

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

Message from the Editor-in-Chief

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

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