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Advanced 3D Remote Sensing and Image Analysis from Unmanned Aerial Systems

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Deadline for manuscript submissions:
closed (1 July 2022)

Message from the Guest Editors

The preprocessing, validation, and calibration of the UAV data, as well as multi-sensor data fusion, are crucial for combining the data from various sensors. Known photogrammetry and digital image processing methodology require new concepts, technology, and methods. Novel technology on high-performance computing (HPC), cloud computing, and field-programmable gate array (FPGA) technology can be used to speed up the 3D-RS processing tasks. The advanced application of the UAVs enables new perspectives in natural hazard monitoring, precise agriculture, forest inventory, cultural heritage, archaeology, geology, geodesy, civil engineering, and other geosciences.

In this Special Issue, we would like to invite you to submit original research papers, comprehensive reviews, letters, and communications covering all aspects of the advanced application of 3D sensing and imaging for unmanned aircraft systems, primarily focused on solving complex research questions that are closely related to novel photogrammetry, LiDAR, 3D remote sensing methods, and technology.

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Message from the Editorial Board

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.

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