Special Issue

Environmental Monitoring and Mapping Using 3D Elevation Program Data

Message from the Guest Editors

The purpose of this Special Issue is to demonstrate the value of 3DEP data for research applications. Contributions covering the following subtopics are welcome:

- Use of 3DEP lidar point clouds to extract and understand vegetation information
- Extraction of new features from 3DEP source data
- Use of 3DEP DEMs for understanding environmental processes
- Use of 3DEP data to identify and understand natural hazards and associated processes
- Use of 3DEP data in combination with other sources of topographic data to understand landscape change associated with natural or anthropogenic processes
- Continental scale uses of 3DEP seamless DEMs
- New methodologies to understand the quality and accuracy of 3DEP data for environmental applications
- Synergies and fusion of 3DEP data (DEMs and/or point clouds) with multi- and hyperspectral imagery
- Synergies and fusion of 3DEP data with global data, such as ICESat-2, GEDI, and others
- Machine learning and artificial intelligence applications using 3DEP data
- Big data processing of 3DEP data using cloud, high performance computing and other cyberinfrastructure platforms, such as OpenTopography and CyVerse

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Deadline for manuscript submissions

closed (30 June 2022)

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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.

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