Special Issue

Planetary 3D Mapping, Remote Sensing and Machine Learning

Message from the Guest Editors

Our knowledge and understanding of the physical processes of the Earth and Planets within our Solar System have been enormously enhanced since space-based remote sensing and photogrammetry was applied from orbital platforms in the 1960s. We would like to invite you to submit articles on new methods and their applications to 3D mapping of surfaces (both solid and subsurface as well as cloud or aerosol), to landscape characterisation to new methods using deep learning and machine vision to different wavelengths including hyperspectral, visible to thermal IR, microwave and laser-based methods. Although the emphasis will be on orbital data, papers are also sought on robotic imaging systems and their fusion with space-based data. We therefore seek original research articles covering all aspects of planetary remote sensing and 3D mapping including new instruments, methods, algorithms, datasets and validation. We look forward to receiving your submissions which will be vigorously triaged and reviewed within a much shorter turnaround time than most current journals.

Guest Editors

Prof. Dr. Jan-Peter Muller

Dr. Bo Wu

Mr. Trent Hare

Deadline for manuscript submissions

closed (20 October 2021)

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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
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