Special Issue

Laser and Optical Remote Sensing for Planetary Exploration

Message from the Guest Editors

Planetary exploration is of great significance in promoting the development of science and technology and advancing human civilization more broadly, representing the frontier field of science and technology development in the world. Laser and optical remote sensing payloads, including cameras, spectrometers, imaging spectrometers, and LiDAR, have been widely applied in planetary exploration, playing an irreplaceable role with excellent prospects for scientific and technological applications. While the techniques of laser and optical remote sensing for planetary exploration are similar to those applied for Earth remote sensing, the application of laser and optical remote sensing in planetary exploration is confronted with problems such as complex deep space environments, lighter, smaller requirements on payloads with lower power consumption and long-life payload design requirements, and therefore requires specialized research.

With the development of computational optics, machine learning, materials science and other fields, laser and optical payloads will definitely achieve higher resolution, higher sensitivity and wider detection range to help planetary remote sensing exploration.

Guest Editors

Prof. Dr. Zhiping He

Prof. Dr. Oleg Korablev

Prof. Dr. Bin Xue

Prof. Dr. Genghua Huang

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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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