Special Issue

Advances in Lunar Ground Penetrating Radar (LGPR) Signal Processing and Applications

Message from the Guest Editors

Lunar Ground Penetrating Radar, a form of remote sensing, is a leading candidate technology for future lunar missions aimed at investigating the geologic subsurface of the Moon to few kilometers depth. Characterizing the Moon's subsurface will provide vital information on lunar geology. In order to investigate the geologic subsurface of the Moon, a number of missions to the planet, notably the Chang'e 3 lander, Apollo Lunar Sounder and Lunar Radar Sounder, have used different versions of Ground Penetrating Radar technology. Despite the significant progress made by the scientific community in lunar subsurface exploration, the Moon's interior geological structure and the distribution of geological features are poorly understood. Further exploration of geological structures on the Moon using LGPR will provide a better understanding of its evolution history and future opportunities for human outer space exploration. This Special issue aims to invite papers focusing on recent advances in design, development and production of Lunar Ground Penetrating Radar systems, and addressing lunar specific aspects of processing and analysis of GPR data.

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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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