remote sensing

IMPACT FACTOR 4.2

CITESCORE 8.3

an Open Access Journal by MDPI

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

Guest Editors:

Dr. Canicious Abeynayake
Defence Science & Technology Group, Edinburgh, Australia

Dr. Fok Hing Chi Tivive
Faculty of Engineering and Information Sciences, School of Electrical, Computer and Telecommunications Engineering, University of Wollongong, Wollongong, Australia

Deadline for manuscript submissions:
closed (29 February 2024)

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.

remote sensing

IMPACT FACTOR 4.2

CITESCORE 8.3

an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.
Journal Rank: JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)

Contact Us

Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
𝕏@RemoteSens_MDPI