Geophysical Data Processing in Remote Sensing Imagery

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

Exploration geophysics has played an important role in the past several decades for understanding subsurface properties and prospecting underground resources. Many practical and useful techniques and methods for geophysical data processing have been developed.

The first part of this Special Issue will review the progress in recent decades in several geophysical data processing techniques and the related theoretical developments, including seismic data modeling, seismic imaging, full waveform inversion, envelop inversion, seismic data denoising, seismic data regularization, etc.

The second part includes contributing papers on new techniques and methods, such as applications of deep learning in exploration geophysics, wave field simulation, inversion and imaging, multi-component seismic data processing (separation, inversion and imaging), advanced seismic data processing (denoising, interpolation, etc.), geomagnetism and electromagnetism, waves in anisotropic media, etc. Papers that are interdisciplinary in nature, such as the application of surface exploration methods to airborne or satellite remote-sensing data, are especially welcome.

Special Issue

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Message from the Editor-in-Chief

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