Special Issue

Earthquake Ground Motion Observation and Modelling

Message from the Guest Editors

Realistic and robust ground motion modeling for future events is one of the most challenging problems in seismology and earthquake engineering. This topic includes the study of source effects (e.g., rupture directivity, complex source dynamics), fault characterization (slip-rate, fault length, fault throw, etc.), surface deformation studies (InSAR, PSInSAR, DInSAR), propagation ground motion phenomena (including atenuation, seismic energy channeling, scattering effects, seismic elastic and viscoelastic modeling, and inversion) due to complexity in Earth structure, and local site effects (site basin effects and 3D geological modeling, liquefaction, soil classifications, topographic effects, nonlinearity). We also solicit contributions on ground motion networks. The quantitative and reliable assessment of those phenomena requires monitoring from high-quality to low-cost dense seismic networks, as well as small to medium aperture seismic arrays and *big data management and analysis*. Professor José Fernando Borges
Professor Bento Caldeira
Professor Mourad Bezzeghoud

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2023)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/47737

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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

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