Special Issue

Advances in Ground Penetrating Radar Research

Message from the Guest Editors

This special issue is a collection of innovative contributions on ground penetrating radar (GPR) technology, methodology and applications. GPR is a widely known non-destructive method that uses electromagnetic waves to image the subsoil or structures. The technique allows defining the structural arrangement of media with contrastive electromagnetic properties and to detect pathologies. We invite researchers to contribute with original articles presenting the most recent progresses and interesting case studies within the following topics, and beyond:

- Design, realization and testing of GPR systems and antennas
- GPR data processing and analysis
- Modelling and inversion methods for GPR
- Imaging approaches and 3D visualization
- Applications of GPR in the geosciences
- Applications of GPR in environment
- Geological and geotechnical applications of GPR
- Environmental engineering applications of GPR and prospection of natural landscapes
- Applications of GPR in agriculture and for water management
- GPR archaeological prospection
- New data processing algorithms
- Mine detection and forensics
- Combined use of GPR and complementary non-destructive and semi-destructive techniques

Guest Editors

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Deadline for manuscript submissions

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Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased political decisions.
We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

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