Innovation in Near-Surface Geophysics. Instrumentation, Application, and Data Processing Methods

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Abstract

Innovation in Near-Surface Geophysics: Instrumentation, Application, and Data Processing Methods [1] offers an advanced look at state-of-the-art and innovative technologies for near-surface geophysics, exposing the latest, most effective techniques in an accessible way. By addressing a variety of geophysical applications, including cultural heritage, civil engineering, characteristics of soil, and others, the book provides an insight of the best products and methodologies that modern near-surface geophysics can offer. It proposes tips for new ideas and projects, and encourages collaboration across disciplines and techniques for achieving the best implementations and results.

With contributions from leaders from throughout geophysics, Innovation in Near-Surface Geophysics is an important guide for geophysicists working in a variety of industries to gain an understanding of the available tools and techniques.

As a timely examination of innovative technologies and techniques in near-surface geophysics, the book addresses a variety of applications in near-surface geophysics, including cultural heritage, civil engineering, soil analysis, and provides insight to available products and techniques and offers suggestions for future developments.

References

Innovative Instrumentation and Data Processing Methods in Near Surface Geophysics, edited by R. Persico, S. Piro and N. Linford, Elsevier, 2018. ISBN 978-0-12-812429-1.