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Titolo	Advances in Geophysical Methods Applied to Forensic Investigations [[electronic resource]] : New Developments in Acquisition and Data Analysis Methodologies / / by Giovanni Leucci
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Descrizione fisica	1 online resource (XVI, 298 p. 307 illus., 282 illus. in color.)
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Soggetti	Geophysics Geotechnical engineering Data mining Geophysics/Geodesy Geotechnical Engineering & Applied Earth Sciences Data Mining and Knowledge Discovery
Lingua di pubblicazione	Inglese
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Nota di contenuto	Chapter 1 - Short Note About Geophysical Data Analysis -- Chapter 2 - Forensic Geosciences and Geophysics: Overview -- Chapter 3 - Forensic Geophysics Instrumentation and Data Acquisition.-Chapter 4 - Forensic Geophysical data Processing and Interpretation -- Chapter 5 - Site Application: Forensic Civil Cases -- Chapter 6 - Site Application: Forensic Crime Cases -- Chapter 7 – Conclusions.
Sommario/riassunto	This book provides a general introduction to the most important geophysical exploration methods and their application to forensic sciences. It describes physical principles, campaign procedures and processing, as well as interpretation techniques, while also highlighting new acquisition and data analysis procedures. A large section of the book is devoted to applications, from measurements to the interpretation of data. Further, the book shows how to design and perform a forensic survey, and offers guidance on selecting the best method for the problem at hand, and on selecting the best type of data acquisition and processing. Written in straightforward language and

chiefly intended as an introductory text for students in several scientific fields, the book also offers a useful guide for specialists who want to expand their expertise in this fascinating discipline.
