

1. Record Nr.	UNINA9910823841503321
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Titolo	The self-potential method : theory and applications in environmental geosciences // Andre Revil, Abderrahim Jardani
Pubbl/distr/stampa	Cambridge ; ; New York, : Cambridge University Press, c2013
ISBN	1-108-44578-0 1-139-89083-2 1-107-24134-0 1-107-25093-5 1-107-24844-2 1-107-25010-2 1-107-24761-6 1-139-09425-4 1-107-24927-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (xiv, 369 pages) : digital, PDF file(s)
Classificazione	SCI032000
Altri autori (Persone)	JardaniAbderrahim
Disciplina	551
Soggetti	Self-potential method (Prospecting) Prospecting - Geophysical methods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Machine generated contents note: Foreword; Preface; 1. Fundamentals of the self-potential method; 2. Development of a fundamental theory; 3. Laboratory investigations; 4. Forward and inverse modeling; 5. Applications to geohazards; 6. Application to water resources; 7. Application to hydrothermal systems; 8. Seismoelectric coupling; Appendix A: a simple model of the Stern layer; Appendix B: the U-P formulation of poroelasticity; References; Index.
Sommario/riassunto	The self-potential method enables non-intrusive assessment and imaging of disturbances in electrical currents of conductive subsurface materials. It has an increasing number of applications, from mapping fluid flow in the subsurface of the Earth to detecting preferential flow paths in earth dams and embankments. This book provides the first full overview of the fundamental concepts of this method and its

applications in the field. It discusses a historical perspective, laboratory investigations undertaken, the inverse problem and seismoelectric coupling, and concludes with the application of the self-potential method to geohazards, water resources and hydrothermal systems. Chapter exercises, online datasets and analytical software enable the reader to put the theory into practice. This book is a key reference for academic researchers and professionals working in the areas of geophysics, environmental science, hydrology and geotechnical engineering. It will also be valuable reading for related graduate courses.
