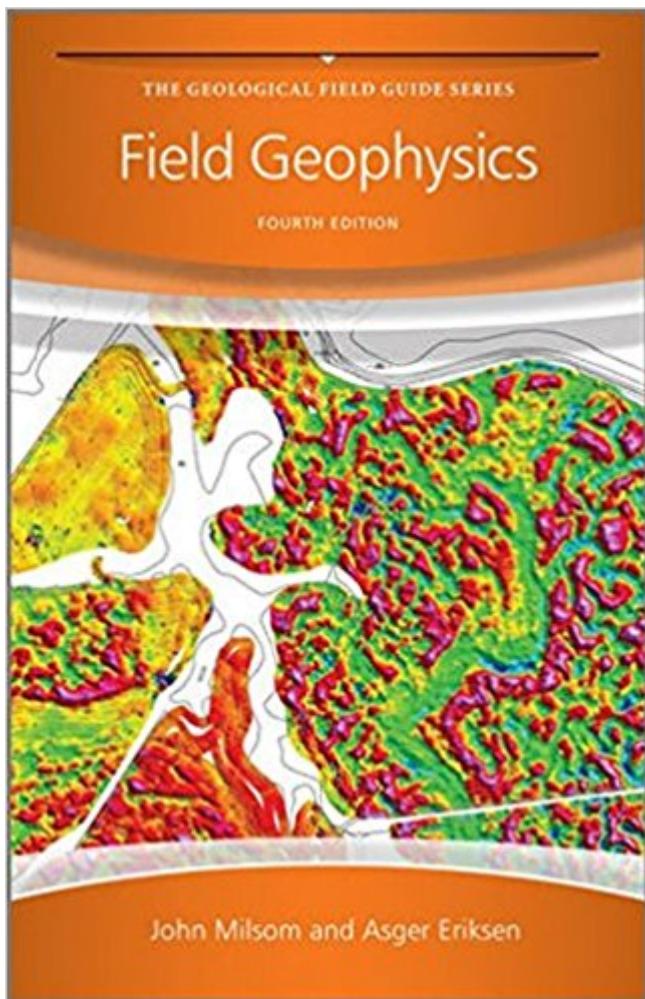


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Field Geophysics



Synopsis

This handy pocket-sized field guide provides practical information and assistance to anyone engaged in small-scale surveys on the ground. Fully revised and updated throughout, the Fourth Edition includes comprehensive updates on the use of GPR and GPS and new sections on surface wave seismics and towed array systems. This has become the standard text in this area for use in the field and the experience of the two authors will ensure the book retains its place as one of the most popular handbooks in applied geophysics. Fully revised and updated to incorporate new developments in the field; Focus on quality control of the acquisition of data and basic field interpretation; User-friendly, accessible writing style; Includes updates on Ground Penetrating Radar and the use of GPS; New section on surface wave methods. Additional material available on the companion website at www.wiley.com/go/milsom/geophysics4e

Book Information

Paperback: 304 pages

Publisher: Wiley; 4 edition (February 28, 2011)

Language: English

ISBN-10: 0470749849

ISBN-13: 978-0470749845

Product Dimensions: 4.6 x 0.6 x 7.2 inches

Shipping Weight: 12 ounces (View shipping rates and policies)

Average Customer Review: 4.3 out of 5 stars 14 customer reviews

Best Sellers Rank: #357,908 in Books (See Top 100 in Books) #67 in Books > Science & Math > Earth Sciences > Geophysics #71 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Mining #1827 in Books > Science & Math > Nature & Ecology > Conservation

Customer Reviews

âœOverall, Field Geophysicsâ "one of several published by Wiley-Blackwell in their Geological Field Guide Seriesâ "is a good practical introductory reference book for a geophysical technician beginning their career or a quick refresher for someone using an instrument they havenâ™t picked up for many years.â •Â (Environmental & Engineering Geoscience, 2 May 2013) Â

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I am an exploration geologist, and I have used some shallow seismic methods to search for alluvial gravels. This was many years ago, and I was hoping for a modern update on practical geophysics and some case studies. I was disappointed. This book offers an excellent background on the theory and physics of geophysical methods. In a haphazard manner it delves into some suggestions for field work - but not about the equipment, nor what equipment one should chose. What is missing is some case studies, something about time and costs, and something more specific to the needs of geologists looking for economic mineral deposits. I am not sure the author has much field experience, and maybe he has no special interest in geology. I have not read the entire book - just a few chapters.

I used this book first when I got out of uni, being a newbie and very green needed all the help I could get. I re-purchased the updated version of this book because I'm once again going back to environmental/near surface geophysics and just wanted to read all the latest about radar and refraction. I however don't recommend this book unless you thoroughly understand geophysics. This is not something you would give to a biology or English major and send them out to conduct your surveys. All said and done, I think every geophysicist who conducts a lot of field work already has one, or should have one.

This guide is very small and practical to carry. The information is very up to date and complete with the essentials of what you need to know. Derivations are available in many other books, but this cuts right to what you need to know to apply field methods. The author even suggests common limitations and design flaws in current equipment in the section on selecting field equipment. This book is used for a field geophysics class and is the perfect companion.

I wish I would have had this book six years ago when I started performing geophysical field work. This book covers everything that you would possibly need to think of when doing small scale geophysical surveys. I have purchased copies of this book for all of the new geophysicists that I work with so they won't make the same mistakes that I did. I read the entire book and highlighted the best suggestions and dog eared a lot of pages.

A nice little reference book to have at hand!

Great book simplified.

The geoelectric parts are good, but the seismic parts are poor.

This is an entry level book for beginners in the field. There is not a lot of detailed material in the book that an engineer would need.

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