



# Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration)

By *Luc T. Ikelle*

[Download now](#)

[Read Online](#) 

## Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration)

By *Luc T. Ikelle*

Currently, the acquisition of seismic surveys is performed as a sequential operation in which shots are computed separately, one after the other. This approach is similar to that of multiple-access technology, which is widely used in cellular communications to allow several subscribers to share the same telephone line.

The cost of performing various shots simultaneously is almost identical to that of one shot; thus, the savings in time and money expected from using the multishooting approach for computing seismic surveys compared to the current approach are enormous. By using this approach, the long-standing problem of simulating a three-dimensional seismic survey can be reduced to a matter of weeks and not years, as is currently the case.

- Investigates how to collect, stimulate, and process multishooting data
- Addresses the improvements in seismic characterization and resolution one can expect from multishooting data
- Aims to educate the oil and gas exploration and production business of the benefits of multishooting data, and to influence their day-to-day surveying techniques

 [Download Coding and Decoding: Seismic Data, Volume 39: The ...pdf](#)

 [Read Online Coding and Decoding: Seismic Data, Volume 39: Th ...pdf](#)

# **Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration)**

*By Luc T. Ikelle*

## **Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) By Luc T. Ikelle**

Currently, the acquisition of seismic surveys is performed as a sequential operation in which shots are computed separately, one after the other. This approach is similar to that of multiple-access technology, which is widely used in cellular communications to allow several subscribers to share the same telephone line.

The cost of performing various shots simultaneously is almost identical to that of one shot; thus, the savings in time and money expected from using the multishooting approach for computing seismic surveys compared to the current approach are enormous. By using this approach, the long-standing problem of simulating a three-dimensional seismic survey can be reduced to a matter of weeks and not years, as is currently the case.

- Investigates how to collect, stimulate, and process multishooting data
- Addresses the improvements in seismic characterization and resolution one can expect from multishooting data
- Aims to educate the oil and gas exploration and production business of the benefits of multishooting data, and to influence their day-to-day surveying techniques

## **Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) By Luc T. Ikelle Bibliography**

- Sales Rank: #11492796 in Books
- Published on: 2010-04-22
- Released on: 2010-04-08
- Original language: English
- Dimensions: 9.00" h x 1.41" w x 6.01" l, 1.82 pounds
- Binding: Paperback
- 618 pages

 [Download Coding and Decoding: Seismic Data, Volume 39: The ...pdf](#)

 [Read Online Coding and Decoding: Seismic Data, Volume 39: Th ...pdf](#)

## **Download and Read Free Online Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) By Luc T. Ikelle**

---

### **Editorial Review**

#### **About the Author**

Dr. Luc Ikelle is a Professor in Geology and Geophysics at Texas A&M University. He received his PhD in Geophysics from Paris 7 University in 1986 and has since cultivated expertise in: seismic data acquisition, modeling, processing, and interpretation for conventional and unconventional energy production; inverse problem theory, signal processing, linear and nonlinear elastic wave propagation, linear and nonlinear optics, and continuum and fracture mechanics. His research interests include a combined analysis of petroleum systems, earthquakes, and volcanic eruptions based on geology, geophysics, statistical modeling, and control theory.

He is a founding member of Geoscientists Without Borders, for which he received an award from SEG in 2010. He is a member of the editorial board of the Journal of Seismic Exploration and has published 107 refereed publications in international journals.

### **Users Review**

#### **From reader reviews:**

##### **Ellen Jones:**

Hey guys, do you want to find a new book to see? May be the book with the name Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) suitable to you? Typically the book was written by well-known writer in this era. Often the book titled Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) is a single of several books that everyone read now. This particular book was inspired many people in the world. When you read this publication you will enter the new dimension that you ever know previous to. The author explained their idea in the simple way, consequently all of people can easily understand the core of this publication. This book will give you a large amount of information about this world now. To help you to see the represented of the world on this book.

##### **John Alfaro:**

Don't be worry if you are afraid that this book may fill the space in your house, you can have it in e-book method, more simple and reachable. This kind of Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) can give you a lot of buddies because by you considering this one book you have issue that they don't and make a person more like an interesting person. This specific book can be one of a step for you to get success. This publication offer you information that possibly your friend doesn't understand, by knowing more than some other make you to be great men and women. So, why hesitate? Let us have Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration).

**Tonette Land:**

You can get this Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) by go to the bookstore or Mall. Just simply viewing or reviewing it may to be your solve problem if you get difficulties to your knowledge. Kinds of this e-book are various. Not only by simply written or printed but also can you enjoy this book simply by e-book. In the modern era just like now, you just looking by your mobile phone and searching what their problem. Right now, choose your personal ways to get more information about your guide. It is most important to arrange you to ultimately make your knowledge are still update. Let's try to choose appropriate ways for you.

**Casey Schnell:**

That book can make you to feel relax. This kind of book Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) was multi-colored and of course has pictures around. As we know that book Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) has many kinds or type. Start from kids until youngsters. For example Naruto or Private investigator Conan you can read and feel that you are the character on there. So , not at all of book tend to be make you bored, any it makes you feel happy, fun and unwind. Try to choose the best book for you and try to like reading in which.

**Download and Read Online Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) By Luc T. Ikelle #QMIFNZ2STDL**

# **Read Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) By Luc T. Ikelle for online ebook**

Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) By Luc T. Ikelle Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) By Luc T. Ikelle books to read online.

## **Online Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) By Luc T. Ikelle ebook PDF download**

**Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) By Luc T. Ikelle Doc**

**Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) By Luc T. Ikelle MobiPocket**

**Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) By Luc T. Ikelle EPub**

**QMIFNZ2STDL: Coding and Decoding: Seismic Data, Volume 39: The Concept of Multishooting (Handbook of Geophysical Exploration: Seismic Exploration) By Luc T. Ikelle**