
Description: 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

Contents:
1. Introduction to multishooting: Challenges and rewards
2. Mathematics of statistical decoding: Instantaneous mixtures
3. Mathematics of statistical decoding: Convolutive mixtures
4. Decoding methods for underdetermined mixtures
5. Modeling and imaging of multishot data
Appendix A. Nonnegative matrix factorization
Appendix B. Nonnegative tensor factorization
Appendix C. A review of 3D finite-difference modeling

Ordering:
Order Online - [http://www.researchandmarkets.com/reports/1758566/](http://www.researchandmarkets.com/reports/1758566/)
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Web Address: http://www.researchandmarkets.com/reports/1758566/
Office Code: SC

Product Formats
Please select the product formats and quantity you require:

- Hard Copy (Hard Back):
  - USD 163 + USD 28 Shipping/Handling
- Hard Copy (Paper back):
  - USD 163 + USD 28 Shipping/Handling

Quantity

* Shipping/Handling is only charged once per order.
* The price quoted above is only valid for 30 days. Please submit your order within that time frame to avail of this price as all prices are subject to change.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr ☐ Mrs ☐ Dr ☐ Miss ☐ Ms ☐ Prof ☐
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

<table>
<thead>
<tr>
<th>Account number</th>
<th>833 130 83</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sort code</td>
<td>98-53-30</td>
</tr>
<tr>
<td>Swift code</td>
<td>ULSBIE2D</td>
</tr>
<tr>
<td>IBAN number</td>
<td>IE78ULSB98533083313083</td>
</tr>
<tr>
<td>Bank Address</td>
<td>Ulster Bank, 27-35 Main Street, Blackrock, Co. Dublin, Ireland.</td>
</tr>
</tbody>
</table>

If you have a Marketing Code please enter it below:

Marketing Code: ______________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp