



Seismic with Simultaneous Sources: Where Does the Industry Stand?

Simultaneous source acquisition is reducing industry cost whilst improving quality. SimSource was pioneered in the 1990's and whilst take-up was initially slow, in recent years we have seen an increasing number of operators adopting the technology as best practice, to increase productivity for efficiency and create superior data quality. The take-up of SimSource technology has been slowed to some extent by the range and variety of methodologies available, with each operator, contractor or in many cases individual geophysicists having their preferred method. The goal of this workshop is to support and align industry geophysicist's understanding on current and future methodologies, such that they may select the most suitable method for their own future challenges.

The workshop will discuss current SimSource practice and give geophysicists unfamiliar with all the methodologies, an opportunity to form an opinion about the applicability of SimSources for their particular challenges. The workshop will cover both Land and Marine applications. Starting with a definition of what Simultaneous Source actually means, we will move on to discuss the various methods being employed. Following that, we expect to highlight questions like; what efficiency increases can be gained, what improvements or not in data quality are made and whether there are implications for the interpretation geophysicist. Furthermore, we hope to assess whether the use of SimSources improves or reduces the ability to extract physical properties from the final processed deliverables. Finally, we will move on to discuss future directions.

The workshop aims to highlight the most successful applications of simultaneous sources and any learning's in the hydrocarbon exploration and recovery and address the following:

- Recently developed simultaneous source methodologies
- Advances in algorithms used in the deblending/separation of simultaneous source data
- Case studies of simultaneous source surveys
- Discussions around the value of simultaneous source acquisition and processing, whether good or bad
- Current research topics

ABSTRACT SUBJECTS

Technical themes to be covered:

- Introduction – Balancing Quality & Efficiency
- Survey Design for SimSource
- Acquisition Implementation
- Processing
- Interpretability of SimSource Data
- Case Studies
- Research & Future Directions
- Defining Ideal Workflows

DEADLINE - 29 May 2017

CALL FOR ABSTRACT SUBMISSION

Please follow the Abstract template shared on the workshop page. Please e-mail to middleeast@seg.org or fax to +971 4 372 4204 to the attention of **Yogaani Bhatia**.

ACCEPTANCE

An oral or poster presentation is not a requirement for attendance but direct participation in the discussions is a requirement for all attendees.

ABSTRACT FORMAT

Abstracts should include sufficient detail for the committee to judge the quality of the paper. Abstracts should be a minimum of 1 page, text plus 1 figure (optional), with a maximum of 2 pages. Abstracts should be on 8.5 x 11 inch paper size, have text in Roman font, and include both text and figures. Title should be one or two-line, at the top of the page, in bold font, and size 12 points. Authors should be listed in Roman italic font, size 10 points, and located just below the title. All text must stay 1 inch clear of the margins of the page. Submissions should be in Adobe Acrobat PDF format.

ORGANIZING COMMITTEE

Said Mahrooqi (Chairman), Petroleum Development Oman; **Roger May** (Co-chairman), CGG; **Ted Manning**, BP; **Saeed Al-Zahrani**, Saudi Aramco; **Xander Campman**, Shell; **Gerrit Blacquiere**, Delft University of Technology; **Thomas Bianchi**, CGG; **John Quigley**, WesternGeco



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Note: The mechanical recording of any portion of the 2017 SEG Workshop in any form (photographic, electronic, etc.) is strictly prohibited. Printed reference to the Workshop presentations or discussions is not permitted without the consent of the parties involved. All participants are requested to omit public reference to the Workshop proceedings in any published work or oral presentation. Only registrants are permitted to attend Workshop sessions. Each participant agrees to these regulations when application is accepted, as indicated by his or her signature on this form.

Signature _____ Date _____

DEADLINE - 29 May 2017

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