



CALL FOR ABSTRACTS

Next Generation Geophysical Land & Shallow Water Acquisition Workshop

23–25 Apr '24 • Muscat, Oman

OVERVIEW

This workshop will focus on examining and conversing about current new advancements, the obstacles, and advantages they bring operationally and later at processing, and optimal practices around land and shallow water acquisition. Additionally, there will be discussions about the future of seismic acquisition within the current industry condition.

The workshop will serve as a forum for open and extended discussions on current practices and future development and advances in land and shallow water acquisition. In addition, it will also cover the role these technologies and methods play in optimizing hydrocarbon exploration, development, and production. Emphasis will be placed on innovation, operational and cost efficacy, data quality, survey merging, and integrated processing techniques. We encourage conceptual, transformative, and innovative subjects.

OBJECTIVES

- Sharing the latest and novel technical developments
- Sharing experience on the operational level
- Promoting technology and technological progress
- Exploring the application of technologies for cost-effective business models
- Exchanging geophysical theories, geometries, methods, and examples
- Exploiting the integrated approach of survey design, acquisition, processing, and imaging
- Addressing geophysical and operational challenges associated with land and shallow water acquisition
- Discuss the HSE aspects of land and shallow water operations

ABSTRACT TOPICS:

- Survey evaluation and design including case histories and modelling
- Advances in field data QC for modern acquisition
- Nodal seismic acquisition techniques and platform
- Distributed Acoustic Sensing (DAS)
- Sensor technology (MEMS, piezoelectric, arrays, hydrophones, dual sensors, 3C/4C, etc.)
- Source technologies (vibrator, distributed source arrays, propellant, explosives, impulsive, air gun etc.)
- Seismic surveys for non-oil and gas purposes (CCUS and renewables)
- Time-lapse Acquisition and processing
- New acquisition platforms and automation
- Non-seismic acquisition (EM, MT, potential fields, etc.)
- Non-geophysical aspects and best practices of data acquisition (HSE, logistics, project management etc.)
- Additional topics include broadband high-resolution seismic, intelligent sampling, surveillance, permanent reservoir monitoring, remote sensing, smart crews, etc
- Advances in data processing related to land and shallow water acquisition
- Advances in data processing & HPC to cope with substantially larger data size of very high channel count crews
- OBN, shallow water and transition zone

ABSTRACT FORMAT

Min of 500 words + 1 figure, single column (at least 1 figure/graph) + reference

Abstracts should include sufficient details for the committee to judge the quality of the submitted work. Abstracts should be a minimum of 500 words plus minimum of 1 figure and references, (flexible on the number of pages). Abstracts should be on 8.5x11 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 point. Authors should be listed in Roman italic font, size 10 point, 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.

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Subject _____ Presentation Type: Oral Poster Both

NOTE: The mechanical recording of any portion of the 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. In the event the presentation incorporates copyrighted material of others, the presenter warrants that all required permissions or releases have been secured. The presenter agrees to indemnify, defend, and hold SEG, its directors, officers, employees, and agents harmless against any claims to the contrary.

Each participant agrees to these regulations when application is accepted, as indicated by his or her signature on this form.

Signature: _____ Date: _____

Please email abstract and call for abstracts form by **29 January 2024** to **Anneke de Klerk** at **aklerk@seg.org**.

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