MUSCAT, OMAN

NEAR SURFACE MODELING AND IMAGING WORKSHOP

27–29 SEPTEMBER 2022

CALL FOR ABSTRACTS

CLOSES 1 JUNE 2022

Please e-mail the abstract and the call for abstracts form to **aklerk@seg.org**

REGISTRATION

Registration will open by 1 JUNE 2022

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WORKSHOP OVERVIEW

The modeling of the near-surface continues to play a significant role on the sub-surface imaging, reservoir characterization, and monitoring. Geoscientists from around the world attended the previous three editions of the Near Surface Modeling and Imaging Workshop in 2014, 2016, and 2019 to address the near-surface challenges. A broad range of near-surface disciplines were represented from academia and industry covering aspects of engineering and hydrocarbon exploration. The previous workshops explored emerging and underdeveloped techniques including artificial intelligence, non-seismic integrated methods, full-waveform inversion, joint inversions, and new acquisition techniques. The need for further understanding of full wavefield, anisotropy, velocities, and the creation of an inclusive near-surface model was identified. The workshops also led to a greater understanding of the importance of knowledge sharing among various disciplines in the modeling and imaging of the near surface.

The objective of the upcoming 2022 workshop is to share new insights and methods as well as addressing persistent challenges including: acquisition design limitations, waveform inversion, amplitude integrity, high-resolution near-surface modeling, and maximizing the integration of seismic and non-seismic data. In addition, it aims to leverage the advancements of digital transformation and sustainability as it applies to the near surface.

ABSTRACT SUBJECTS

Technical topics addressing the value of geophysics including but not limited to:

- Near surface considerations during seismic design and acquisition
- Advancements in FWI, interferometry (passive seismic etc.)
- Impact of near surface on amplitude integrity
- Building high-resolution near-surface modeling and its impact on the reservoirs in the sub-surface
- Utilizing coherent noise and multiples for near-surface modeling
- Joint inversion techniques
- Advancements in non-seismic technologies and their integration with seismic data
- Elastic data technology implementation
- Data analytics and digitalization and its applications in geophysics
- Identification of shallow drilling hazards

ABSTRACT FORMAT

Max 2 page abstract + 1 figure, single column

Abstracts should include sufficient details for the committee to judge the quality of the submitted work. Abstracts should be a minimum of 1 page, text plus 1 figure, with a maximum of 2 pages. Abstracts should be on 8.5 x 11 inch paper size, text in Roman font, and include both text and figures. Title should be one or two lines, 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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Are you a student?   Yes   No

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. 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 **1 JUNE 2022** to **aklerk@seg.org**

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