

Advances in Marine Seismic Data Acquisition

7- 9 September 2021 | Virtual



PROGRAMME

GULF STANDARD TIME (GST)

Schedule

- 02:30 - 07:30 HOURS : US (CST)
08:30 - 13:30 HOURS : LONDON
09:30 - 14:30 HOURS : AMSTERDAM/BERLIN/
PARIS/OSLO
10:30 - 15:30 HOURS : RIYADH/DOHA/
KUWAIT CITY/MOSCOW
11:30 - 16:30 HOURS : UAE
13:00 - 18:00 HOURS : NEW DEHLI
14:30 - 19:30 HOURS : BANGKOK/JAKARTA
15:30 - 20:30 HOURS : KUALA LUMPUR/
BEIJING/PERTH/SINGAPORE
14:30 - 19:30 HOURS : TOKYO/SEOUL
17:30 - 22:30 HOURS : BRISBANE

Commitee

- RAIMON ALFARO, TOTALENERGIES
MARTIN WIDMAIER, PGS
ANDREW LONG, PGS
ED HAGER, SHEARWATER
JEREMY FITZPATRICK, WOODSIDE
JULIANTY SUTAN, SHEARWATER
MARINA COSTELLOE, GEOSCIENCE AUSTRALIA
MATTHEW CANNON, SHELL
M. ZABUDDIN ZAWAWI, PETRONAS
NICOLAS TELLIER, SERCEL
NOOR AMIN ZAKARIAH, UNIVERSITI
TEKNOLOGI PETRONAS
TOMOHIDE ISHIYAMA, ADNOC
ZULKARNAIN ANAS, KUFPEC

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Tuesday, 7 September 2021

All sessions are in Gulf Standard Time (GST)

- 11:30 - 11:40 **Welcome Message by Raimon Alfaro and Martin Widmaier**
11:40 - 11:50 **SEG Leadership Keynote Speaker -**
11:50 - 12:15 **Opening Address**
- SESSION 1 **NEW ENERGIES - HIGH RESOLUTION NEAR SURFACE SEISMIC I**
Session Chair: Ed Hager (Shearwater) and Noor Amin Zakariah (Universiti Teknologi PETRONAS)
- 12:15 - 12:35 **High-resolution acquisition solution for cost-effective marine seismic operations**
Thibaut Choquer/ Gaëtan Mellier, Kappa
- 12:35 - 12:55 **Decasource offshore 3D Seismic Survey for Deep-Sea Mineral Exploration**
Adriana Citlali Ramirez, TGS
- 12:55 - 13:15 **Near- field Hydrope (NFH) for Geohazards**
Matt Canon, Brunei Shell
- 13:15 - 13:35 **Exploiting the Full Seismic Wavefield for Geohazard Quality Shallow-to Deep Resolution**
Andrew Long, PGS
- 13:35 - 13:55 **P-Cable Ultrahigh Resolution (UHR) Seismic Data for Carbon Capture and Storage (CSS)**
Larry Scott, NCS Subsea Inc.
- 13:55 - 14:15 **Moderated Discussion** - 20 min
- 14:15 - 14:30 NETWORKING BREAK - 15 min
- SESSION 2 **4D (TIME LAPSE) SURVEYS**
Session Chair: Tomohide Ishiyama (ADNOC) and Andrew Long (PGS)
- 14:30 - 14:50 **4D Monitoring Technologies in Brunei shallow waters**
Azmin Salleh, Shell
- 14:50 - 15:10 **A Campaign of 4D Seismic Monitor Surveys on Australia's North-West Shelf**
Jeremy FitzPatrick, Woodside Energy Ltd.
- 15:10 - 15:30 **Swath matching technique: An unconventional yet efficient way to acquire 3D seismic surveys offshore – A North Sea Example**
Emma McDonald, Ion Geo
- 15:30 - 15:50 **Designing an objective-based time-lapse acquisition strategy**
Mike Branston, Schlumberger
- 15:50 - 16:10 **Moderated Discussion** - 20 min
- 16:10 - 17:10 POST EVENT NON-MODERATED EVENT

Wednesday, 8 September 2021

All sessions are in Gulf Standard Time (GST)

- SESSION 3 **MARINE DATA ACQUISITION TECHNOLOGY I**
Session Chair: Jeremy FitzPatrick (Woodside) and Martin Widmaier (PGS)
- 11:30 - 11:50 **Hybrid PZ Streamers**
Sergio Grion, Shearwater
- 11:50 - 12:10 **Reviewing fiber optic seismic data acquisition in marine environments: opportunities and design considerations**
Mike Branston, Schlumberger
- 12:10 - 12:30 **3C MEMS sensors for True Vertical and Orthogonal OBN Sensing**
Nicolas Tellier, Sercel
- 12:30 - 12:50 **Embraced Technologies for Pre-Salt Imaging: An Integrated Approach to Address Different Challenges**
Edysuzaily Kamarudin (Edy), PETRONAS
- 12:50 - 13:10 **Wide streamer configuration for Exploration surveys in Deep Offshore – Learning's and way for**
Magali Collin, TotalEnergies
- 13:10 - 13:40 **Moderated Discussion** - 30 min
- 13:40 - 13:55 NETWORKING BREAK - 15 min
- SESSION 4 **MARINE DATA ACQUISITION TECHNOLOGY II**
Session Chair: Matthew Cannon (Shell) and Raimon Alfaro (TotalEnergies)
- 13:55 - 14:15 **Extending offsets of the 3D towed streamer acquisition**
Nikolay Amelin, Geology Without Limits
- 14:15 - 14:35 **Autonomous Underwater Vechiles for Ocean Bottom Surveys: Are we ready?**
Constatine Tsingas, Saudi Aramco
- 14:35 - 14:55 **Efficient and automatic detection of Harbour Porpoise click trains in seismic environments**
Christophe L'HER, Sercel
- 14:55 - 15:15 **Free Ocean Bottom Node - Valued for the Sparse Node Technology**
Satoshi Shimizu, Nippon Marine Enterprises
- 15:15 - 15:45 **Moderated Discussion** - 30 min
- 15:45 - 16:45 POST EVENT NON-MODERATED EVENT

Thursday, 9 September 2021

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- SESSION 5 **ADVANCES IN SURVEY DESIGN**
Session Chair: M. Zabuddin Zawawi (PETRONAS) and Jon Cocker (Beach Energy)
- 11:30 - 11:55 **The continuous wavefields method – improved source side sampling and operational efficiency with reduced sound levels**
Tilman Klüber, PGS
- 11:55 - 12:15 **Low frequencies and the consequence for seismic source design**
Gerrit Balquiere, Delft University of Technology
- 12:15 - 12:35 **Automated survey design for direct inversion of compressed data via the integration of a metaheuristic and machine learning**
Shotaro Nakayama, INPEX
- 12:35 - 12:55 **Impact of Shot-Time Dithering on Simultaneous Source Acquisition - OBN Scenario**
Rajiv Kumar, Schlumberger
- 12:55 - 13:25 **Moderated Discussion** - 30 min
- 13:25 - 13:40 NETWORKING BREAK - 15 min
- SESSION 6 **MARINE DATA ACQUISITION TECHNOLOGY**
Session Chair: Nicolas Tellier (Sercel)
- 13:40 - 14:00 **Brunei's first full Ocean Bottom Node Survey – Planning and Execution**
Chris Walker/Jon Wall, BGP
- 14:00 - 14:20 **Cost-effective multisensor streamer MAZ acquisition with wide-tow sources and variable streamer length**
Carine Roalkvam, PGS
- 14:20 - 14:40 **Marine Vibrators: Possibilities of New Alternative Seismic Source in Transition Zone Area: A Case Study from East Malaysia**
Tasvir Kaur/ Sylvester Stephen, PETRONAS Carigali Sdn. Bhd.
- 14:40 - 15:00 **Seismic surveying with a deep-towed marine vibrator**
Hiroaki Ozasa, IHI Corporation
- 15:00 - 15:20 **Penta Source 3D Marine Acquisition in the Sarawak Basin Malaysia**
Engku Aminulhakim, PETRONAS
- 15:20 - 15:50 **Moderated Discussion** - 30 min
- 15:50 - 15:55 **Wrap-up by Workshop Technical Co-Chairs**
- 15:55 - 16:55 POST EVENT NON-MODERATED EVENT