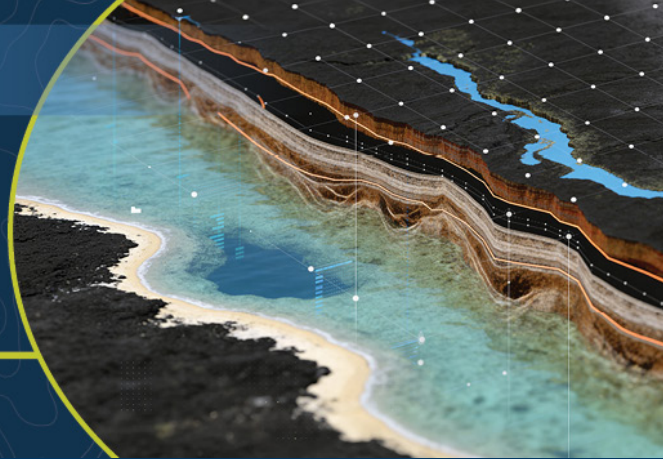
SEG | WORKSHOP | CALL FOR ABSTRACTS

Geophysical Applications for Exploration & Development in Shallow Water & Transition Zones

6–8 October 2026 • Kuala Lumpur, Malaysia



WORKSHOP OVERVIEW:

With easy hydrocarbon reserves declining, transition-zone and shallow-water settings are becoming vital exploration frontiers. These environments offer exciting potential but also pose well-known challenges—from high operating costs and complex logistics to environmental constraints and the limits of traditional seismic methods. OBN solutions can help, but often at significant expense. Together, these factors can hinder data quality, operational efficiency, and exploration or development outcomes. This workshop brings these challenges and the opportunities to overcome them, into sharp focus. Join us to discover the latest breakthroughs in geophysical innovation. We'll highlight cutting-edge survey-design approaches, next-generation seismic-imaging techniques, multidimensional data integration, and AI/ML-enabled workflows that are reshaping subsurface understanding. You'll also gain insights into emerging trends such as automation, scalable operational concepts, and new business models that promise to unlock greater value.

We'll also explore how these technologies can extend beyond transition-zone and shallow-water environments, offering benefits for onshore and deep-water applications. Whether your focus is exploration, development planning, operations, or technology deployment, this workshop offers a unique opportunity to learn, connect, and gain inspiration for the future of geophysical acquisition and imaging.

TECHNICAL TOPICS (NOT LIMITED TO):

Case Histories

- Case histories of integrated G&G applications in shallow water and TZ environments

Seismic Solutions

- Advances in survey design, sources, and deployment
- Nextgeneration seismic imaging
- Geohazard surveys and shallow sub-surface characterization
- Sediment characterization, pore pressure, and geohazard mapping
- Sparse OBN solutions for shallow water
- Noise reduction and dataquality improvements

NonSeismic Solutions

- Remote sensing, geodesy, gravity
- Magnetic & EM technologies
- Integrated seismic/nonseismic workflows and Multiphysics solutions

Borehole Applications

- Subsurface property inversion
- Borehole applications for exploration, development and CCS

Emerging Trends

- Acquisition in sensitive environments
- Autonomous systems
- ML/AI applications
- Surface DAS applications
- Advanced dataintegration techniques
- New energy, storage, and monitoring applications

WHO SHOULD ATTEND:

Geoscientists, geophysical specialists, exploration managers, and academics interested in the latest geophysical innovations for exploration and development.

ABSTRACT FORMAT

Abstract: 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. Submissions should be in Adobe Acrobat PDF format.

PRINT IN BLACK INK OR TYPE

☐ Dr. ☐ Mr. ☐ Ms.

SEG ID# (if currently a member) _____

Full Name _____ Job Title: _____

Company/Organization _____

Mailing Address _____

City & State _____

ZIP/Postal Code _____

Country _____

Address listed: ☐ Business ☐ Home

Business Phone _____ Email: _____

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 **8 June 2026** to **asiapacific@seg.org.**

Stay connected with SEG Asia Pacific! SEG Asia Pacific SEG Asia Pacific SEG Community

CO-CHAIRS:

Sandeep Chandola, PETRONAS**; Ranjit Pannu,** SLB

LEAD CONVENOR:

Law Chung Teck, PETRONAS Carigali

TECHNICAL COMMITTEE:

Azman Azis, Enviros**; Bee Hoon Tan,** TotalEnergies**; Craig Walker,** SAExploration**; David Moore,** Xcalibur**; Faizan Akashah Ghazali,** PETRONAS Carigali**; Hafizan Wahab,** PETRONAS Carigali**; Hoang Lam Do,** Viridien**; Iskandar Rahman,** Shell Miri**; Joanna Kho,** PETRONAS Carigali**; Khusrina Mohamed,** AFED**; Kok Leong Chong,** TGS**; Mikhail Makhorin,** PXGEO**; Nik Nur Halim,** PETRONAS Carigali**; Nils-Eivind Holmedal,** Reach Subsea**; Patrik Stigborg,** Brunei Shell Petroleum**; Sarah Lim,** PETRONAS Carigali**; Satoshi Shimizu,** Seisgadget**; Simon Wolfarth,** BGP**; Tom Rayment,** DUG**; Tomohide Ishiyama,** INPEX**; Kittinat Taweesintanon,** PTTEP**; Sundaresan Sathasivam,** PETRONAS Carigali