



**KUALA LUMPUR, MALAYSIA**

# **GEOPHYSICAL APPLICATIONS FOR EXPLORATION & DEVELOPMENT IN SHALLOW WATER AND TRANSITION ZONES**

**11-12 JULY 2023**

**CALL FOR ABSTRACTS  
CLOSES 10 MAY 2023**

Registration Opens:  
10 May 2023

Early Bird Ends:  
12 June 2023

Please e-mail to  
[asiapacific@seg.org](mailto:asiapacific@seg.org) and copy  
[china@seg.org](mailto:china@seg.org).

## **WORKSHOP OVERVIEW**

The workshop focuses on geophysical applications in exploration and development, highlighting technological advances and improved workflows. It will focus on various geophysical methods covering a broad range of topics, from advances in survey design to developments in data processing and data integration in addressing exploration and development objectives. The potential adaptation of these technologies for use in onshore and deep-water settings will also be discussed. In addition, workshop attendees will have the opportunity to discuss the impact of emerging trends such as machine learning, artificial intelligence, robotization, and alternative business models.

## **TECHNICAL THEMES AND TOPICS:**

We invite abstracts on the following –

### **• Seismic Solutions and Applications**

- High-resolution imaging techniques, including bathymorphological surveys
- Advances in survey design, specialized equipment, and deployment
- Developments in source technology
- Characterization of sediments, pore pressure/geomechanics, and geohazard mapping
- Challenges and solutions related to noise and data quality.

### **• Non-seismic Solutions**

- Advancements in remote sensing, geodesy, and gravity methods
- Magnetic and electromagnetic technology and applications
- Integration of non-seismic and seismic data

### **• Borehole geophysics**

- Inversion methods for estimating the properties of subsurface formations
- Application of developmental technologies in the exploration domain

### **• Emerging trends, technologies, and techniques**

- Data acquisition in environmentally sensitive areas
- Application of autonomous systems, machine learning, and artificial intelligence
- Data integration techniques
- New energy and subsurface storage and monitoring

## **WHO SHOULD ATTEND**

Geoscientists, acquisition specialists, exploration venture managers, and academics who have an interest in new advancements in geophysical applications for exploration and development.

马来西亚 · 吉隆坡

# 地球物理在浅水区和过渡带勘探开发中的应用

2023年7月11日-12日

## 征稿截止日期

2023年5月10日

## 注册开始日期

2023年5月10日

## 注册优惠截止日期

2023年6月12日

请将征稿通知及稿件发送至asiapacific@seg.org，并抄送china@seg.org。

## 会议介绍

本次研讨会将聚焦地球物理手段在勘探开发中的应用，强调目前取得的技术突破以及改进工作流程的具体情况。研讨会将细致探讨各种地球物理方法，涵盖主题涉及以实现勘探开发为目标的勘测设计进展到数据处理和数据融合的发展，以及讨论这些技术在陆地和深水环境中使用的潜在适应性。此外，与会者将有机会讨论机器学习、人工智能、自动化和替代商业模式等新兴趋势的影响。

## 征稿主题

### • 地震解决方案和应用

- 高分辨率成像技术，包括水下地形测量
- 观测系统设计、专用设备和仪器布置的进展
- 资源技术的发展
- 沉积物特征、孔隙压力/岩石力学以及地质灾害测绘
- 与噪声和数据质量相关的挑战 and 解决方案

### • 非地震解决方案

- 遥感、大地测量和重力方法的进展
- 磁和电磁技术及其应用
- 非地震和地震数据的融合

### • 井孔地球物理

- 估计地层性质的反演方法
- 开发技术在勘探领域的应用

### • 新兴趋势、方法和技术

- 环境敏感地区的数据采集
- 自主系统、机器学习和人工智能的应用
- 数据融合技术
- 新能源和地下储存与监测

## 参加对象

地球科学家、采集专家、勘探风险管理以及对地球物理应用在勘探和开发中的新进展感兴趣的学者。

## 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.

## PRINT IN BLACK INK OR TYPE

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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.

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Please email abstract and call for abstracts form by **10 May 2023** to [asiapacific@seg.org](mailto:asiapacific@seg.org) and copy [china@seg.org](mailto:china@seg.org).

## TECHNICAL COMMITTEE

Committee Co-Chair: **Ahmad Faisal Bakar**, PETRONAS; Committee Co-Chair: **Martin Widmaier**, PGS; Workshop Advisor: **Sandeep Kumar Chandola**, PETRONAS; **Abdulrahman Al-Shuhail**, Saudi Aramco; **Carine Roalkvan**, PGS; **Craig Walker**, SAEExploration; **Chris Walker**, BGP Offshore; **Gary Malo**, PETRONAS; **Haziq Raziqin Noorazhari**, Iraya Energies; **Irving Tan**, PETRONAS; **Irnie Riduan**, Brunei Shell; **James Wallace**, PX Geo; **Julianne Sharples**, Bell Geospace Limited; **Lam Choong Chee**, CGG; **Roy Kitrell**, Bell Geospace Limited; **Simone Baudo**, ENI; **Subodh Notiyal**, TGS; **Suyang Chen**, SLB; **Maziah Adura Majid**, PETRONAS.

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