SEG

ASIA PACIFIC SYMPOSIUM ON

ADTE

Digital Transformation in Energy

30 June - 2 July | Bali, Indonesia

Call for Abstracts

SYMPOSIUM OVERVIEW:

Digital transformation has emerged as a catalyst for progress and innovation within the geosciences, reshaping the energy sector by leveraging cutting-edge technologies and methodologies. By harnessing the power of machine learning/artificial intelligence (ML/AI), geoscientists are now able to acquire, analyze and integrate vast seismic, geological and well data, conduct field simulations, and perform other complex tasks with more efficiency and accuracy. This technological revolution has not only streamlined traditional operational approaches but has also unlocked new avenues for oil and gas exploration, development and sustainability. As the geoscience domain continues to embrace digital transformation, it is essential to assess its potential for driving further advancements, fostering collaboration, and expanding knowledge to address the challenges in the energy sector. We invite experts to share their vision on digitization of geosciences to help researchers and professionals to tackle complex challenges and make significant contributions towards a sustainable and resilient future for our planet.

The primary objective of this workshop is to facilitate knowledge sharing and collaboration among professionals who are engaged in implementing digitalization technologies and machine learning algorithms in geoscience applications. SEG aims to set up industry standards on reproducible AI and distribute key solutions on: data standardization and optimization, data quality, storage and model accuracy assessment, performance profiling, code optimizations, pervasive real-time and remote monitoring and more for advanced prototyping and delivery. We will explore diverse schools of thought, discuss advantages and limitations, compare results, and debate emerging approaches in the realm of artificial intelligence and digitalization as applied to geosciences. This symposium will focus on the utilization and evaluation of subsurface data not the implementation of digital infrastructure and strategies.

DISCUSSION TOPICS:

- **Data Acquisition & QC**
- **Data Handling & Formatting**
- **Data Infrastructure**
- **Data & Knowledge Libraries**
- **Digital Management & Ecosystem**
- **Borehole Processing & Analyses**
- **Digital Rock Analyses**
- **Geophysical Processing**
- **Geophysical Interpretation and Integration**
- **Integrated Exploration Processes**
- **Integrated Earth Modeling**
- **Robust Reservoir Management**
- **Optimized Operations**
- **Sustainable Energy**

WHO SHOULD ATTEND:

- **Data management professionals**
- **Data scientists**
- **Digital transformation teams**
- **Drilling**
- **Geological modelling**
- **Geology**
- **Geophysics**
- **Geoscience data management**
- **Geoscientists & engineers**
- **Government**
- **Infrastructure engineers**
- **Members of academia**
- **Petrophysics**
- **Policy Makers**
- **R&D specialists**
- **Reservoir engineering**
- **Students**
- **Subsurface and operations professionals**
- **Sustainability experts**
- **Technology Providers**

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 **21 JANUARY 2027** to **asiapacific@seg.org.**

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