ABSTRACT CALL

EVENT DATES: **29 June–2 July 2026**

LOCATION: **Virtual**

Early Career and Student Global Workshop

Projecting the Future of Subsurface Characterization with Seismology: Technical Dialogues from the Next Generation of Geoscientists

CALL FOR ABSTRACTS

The SEG Early Career and Student Global Workshop 2026 is a groundbreaking virtual event designed to empower the next generation of geoscientists. The workshop focuses on innovation, inclusion, and intergenerational collaboration, highlighting emerging research across key technical areas. Spanning four dynamic half-day sessions, the program features keynote presentations from industry leaders, technical presentations, interactive panel discussions, and career development sessions. This thoughtfully designed format fosters meaningful mentorship, knowledge sharing, and networking among participants from academia, industry, and government sectors worldwide.

Topics

Artificial Intelligence (AI) in Geophysics: Machine learning and deep learning applications in geoscience, AI-assisted seismic interpretation, data-driven inversion and imaging, automation in subsurface workflows, physics-informed neural networks (PINNs), generative AI for synthetic data generation.

Carbon Capture, Utilization, and Storage (CCUS): Geophysical monitoring and modeling of CO_2 storage, time-lapse seismic and electromagnetic surveillance, geochemical and geomechanical coupling in storage sites, AI-driven leakage detection and risk assessment, CO_2 solubility and trapping mechanisms, saline aquifer and depleted reservor.

Seismic Processing and Imaging: Advanced inversion and full-waveform modeling, elastic and multi-component imaging, machine learning–enhanced seismic processing, AI-assisted velocity model building, noise attenuation and signal reconstruction, quantitative seismic interpretation and attribute extraction, joint inversion with electromagnetic and gravity data, 4D (time-lapse) seismic monitoring.

Reservoir Characterization & Petrophysics: Integrated data interpretation for complex reservoirs, rock physics for carbonates and clastics, multi-scale and multi-physics modeling, digital rock physics and pore-scale modeling, geothermal energy characterisation, facies and lithology prediction, permeability and porosity estimation using machine learning, hydro-mechanical reservoir modeling.

WHY SUBMIT?

- *Showcase your ideas to a global audience.*
- *Boost your professional visibility.*
- *Connect and collaborate.*
- *Build your scientific career momentum.*

SUBMIT YOUR ABSTRACT

Start preparing your abstract today — your journey begins here!

Abstract Guidelines

- *Abstracts should be 1 to 2 full pages.*
- *The text should contain at least 1 figure and include references.*
- *Include the abstract title, authors' names, and affiliations.*
- *All abstract files must be in pdf.*
- *Consider using SEG's optional template.*

Upcoming deadlines

1st-Dec-2025	15-Jan-2026	28-Feb-2026
Call for Abstracts Open	*Abstracts Submission Closes*	*Abstracts Decision*

For further enquiries, contact the meeting planner: mtrumbore@seg.org