

POSTCONVENTION WORKSHOP

W-2: Agentic AI and Large Language Models (LLMs) in Geophysical Applications

George R. Brown Convention Center, Room 362A

Start	Stop	Presentation	Speaker	Affiliation
8:30 AM	8:45 AM	Opening Remarks: Multi-Agent Upstream Universe: From Confabulation to Trust	Vladimir Kazei	Aramco Americas
8:45 AM	9:05 AM	KEYNOTE: Connect, Observe, and Optimize: Agentic Intelligence for the Subsurface	Harpreet Sethi	NVIDIA
9:05 AM	9:20 AM	Multi-turn Tool-integration Reinforcement Learning for Seismic Agent Training	Chaoshun Hu	TGS
9:20 AM	9:35 AM	A Multi-agent System for Conversational Seismic Interpretation	Jing Wu	SLB
9:35 AM	9:50 AM	AGENTS4GEOS: GNN-based Agents-orchestrated Surrogate for Geological CO ₂ Storage Monitoring	Mauricio Araya-Polo	TotalEnergies
9:50 AM	10:05 AM	Coffee Break		
10:05 AM	10:30 AM	Panel Discussion and Audience Q&A (Multi-Agent Orchestration)		
10:30 AM	10:45 AM	Operationalizing Agentic AI for Geoscience Workflows	Ali, Abdulmohsen M	Saudi Aramco
10:45 AM	11:00 AM	Subsurface Vibe-Modeling Using Large Language Models	Umair Bin Waheed	KFUPM
11:00 AM	11:15 AM	AI-Driven Geophysical Processing & Knowledge Retrieval	Song Hou	Viridien
11:15 AM	11:30 AM	A Generalizable Agentic Workflow for Accessible Near-Surface Geophysical Analysis	Hang Chen	University of Iowa
11:30 AM	11:45 AM	LLMs for Earth Model Building: Why have one when you can have many?	Minjun Park/Bob Clapp	Google X
11:45 AM	12:00 PM	Panel Discussion & Open Q&A: Practical Adoption of Agentic AI: Bridging Confabulation & Trust	All speakers and Organizers	