

POSTCONVENTION WORKSHOP

W-9: Innovative Solutions in Quantitative Interpretation (QI): Bridging Challenges with Advanced Technologies

George R. Brown Convention Center, Room 362B

Start	Stop	Presentation	Speaker	Affiliation
8:30 AM	8:40 AM	Introduction	Leticia Luebbert	ExxonMobil
		Session 1		
8:40 AM	9:00 AM	Key Note	Anupama Venkataraman	ExxonMobil
9:00 AM	9:20 AM	Multi-scale characterization for unconventional reservoir interpretation	Mark Kittridge	OXY
9:20 AM	9:40 AM	Influence of Processing Techniques on 4D Seismic Inversion and Interpretation in a Brazilian pre-salt Field	Alessandra Davolio	CEPETRO-UNICAMP
9:40 AM	10:00 AM	Break		
10:00 AM	10:20 AM	GANSim: A Generative AI Framework to Bridge Geology and Observed Data for Geomodelling	Suihong Song	Stanford university
10:20 AM	10:40 AM	Leveraging Seismic Inversions & Novel Geologic Modeling Workflows to Enable Rapid Development of Guyana's resource	Michael McGlashan	Exxonmobil
10:40 AM	11:10 AM	Panel Discussion	Helena Ziczy, Sandeep Kumar, and John Castagna	Shell, Petronas, and University of Houston
11:10 AM	11:30 AM	Poster Lightning Presentation		
11:30 AM	12:00 PM	Poster Session		
		Posters		
1		A generative AI approach to probabilistic 3D geologically consistent reservoir modeling from multiple angle-stack seismic	S. Ahmad Zamanian, Oriol Falivene, Andres Estrada, Satyakee Sen, Pooja Rani, Talha Ahmed, Mitali Sinha, Yogesh Nakhate	Shell
2		Evaluating Well completion effectiveness using microseismic monitoring data from the hydraulic fracturing test site (HFTS-1), West Texas	Iris Wang	Ecopetrol

3	Improving integration of DHI observations based on geophysical expectations	R. C. Lippoldt, P. W. Monigle; T. S. Hedayati; F. J. Goulding	Exxonmobil
4	Introducing a new way of inverting seismic data without the need for an input wavelet	Marriane Rauch, Umberto Barbato*, Mark Morford	Lumina
5	Denoising diffusion model-based subsurface modeling and quantitative interpretation	Minghui Xu, Suihong Song, Tapan Mukerji	Stanford University
6	Maximizing Field Development: Leveraging Geostatistical Inversion for Enhanced Oil Recovery and New Opportunity Identification.	Mohammed Ibrahim	Geosoftware
7	Integrating Rock Physics and Machine Learning for Multi-Well Facies and Log Prediction	Alan Mur, Paritosh Bhatnager	Ikon
8	Improving Probabilistic AVO Inversions by Accounting for Anisotropy	Raul Cova, Evan Mutual, Scott Leaney, Bill Goodway, Ask Jakobsen, Henrik Jul Hansen,mWendell Pardasie	Qeye