

POSTCONVENTION WORKSHOP

W-17: What's Next for FWI and its Derived Products?

George R. Brown Convention Center, Room 342BCEF

Start	Stop	Presentation	Speaker	Affiliation
		Introduction		
		Session 1: FWI for Higher Frequencies and 4D		
8:30 AM	8:55 AM	Estimating subsurface properties with simultaneous inversion	Nizar Chemingui	PGS
8:55 AM	9:20 AM	Seismic cycle time reduction through high-frequency FWI	Henry Debens	Woodside Energy
9:20 AM	9:45 AM	High-res FWI: one button push that solves it all?	Xukai Shen	bp
9:45 AM	10:05 AM	Discussion		
10:05 AM	10:20 AM	Break		
		Session 2: Elastic and Multi Parameter FWI - where are we heading		
10:20 AM	10:45 AM	Elastic and multi parameter FWI - where are we heading	Denes Vigh	Schlumberger
10:45 AM	11:10 AM	Elastic FWI for large impedance contrasts	Zedong Wu	CGG
11:10 AM	11:35 AM	Toward absolute-band elastic property prediction in sub-salt play via integrated seismic workflows with elastic FWI, least-square imaging and rock physics	Young Ho Cha	ExxonMobil
11:35 AM	12:00 PM	Discussion		
12:00 PM	1:30 PM	Lunch Break		
		Session 3: Reflection FWI - where it stands		
1:30 PM	1:55 PM	Build high-resolution velocity models using dynamic matching reflection FWI	Fuchun Gao	TGS
1:55 PM	2:20 PM	The resolution limits and possibilities of reflection waveform inversion	Tariq Alkhalifah	King Abdullah University of Science and Technology
2:20 PM	3:05 PM	Discussion		
3:05 PM	3:20 PM	Break		
		Session 4: Hardware and Algorithm Accelerations		
3:20 PM	3:45 PM	Deep learning software accelerators for Full Waveform Inversion	Santi Adavani	Rocket ML
3:45 PM	4:10 PM	A new wave of accelerators	Robert Clapp	Stanford University
4:10 PM	4:35 PM	Abstractions and algorithms for efficient seismic inversion on accelerators	Mathias Louboutin	Georgia Institute of Technology
4:35 PM	5:00 PM	Discussion		