POSTCONVENTION WORKSHOP

W-13: Recent advances in Applied Math and potential applications in Seismic Imaging and Analysis

George R. Brown Convention Center, Room 361A

Start	Stop	Presentation	Speaker	Affiliation
1:30 PM	1:30 PM	Introduction	John Etgen	bp
		Session 1		
1:30 PM	1:55 PM	Constrained optimization in geophysics: method of proximal gradient and ADMM	Laurent Demanet	MIT
1:55 PM	2:20 PM	Searching for an optimal representation of subsurface images and their distribution: the role of generative models	Tariq Al Khakifa	KAUST
2:20 PM	2:45 PM	Mode-grouped tensor decomposition for imaging artifacts attenuation	Maricio Sacchi and Wei Zhang	University of Alberta
2:45 PM	3:10 PM	Rank-reduction strategies for uncertainty estimation in full-waveform inversion	Scott Keating	ETH Zurich
3:10 PM	3:20 PM	Break		
		Session 2		
3:20 PM	3:45 PM	The Classic Augmented Lagrangian Method and Its Relevance to Seismic Processing and Inversion	Chengbo Li	ConocoPhillips
3:45 PM	4:10 PM	Efficient Analysis of Prior Hypotheses in Bayesian Full Waveform Inversion	Andrew Curtis	University of Edinburgh
4:10 PM	4:35 PM	Constrained optimization in geophysics: method of proximal gradient and ADMM	Rustam Akhmadiev	Stanford University
4:35 PM	5:00 PM	Joint Parameter and State Dimension Reduction for Applied Bayesian Inverse Problems	Preskella Mrad	University of Texas at Dallas