Texas Consortium for Computational Seismology

Eighteenth Bi-Annual Research Meeting

Thursday, October 24, 2019		
8:00–8:30	Coffee and pastries	
8:30–9:00	Sergey Fomel	Introduction
9:00–12:00	Morning session: *Seismic interpretation*	
	Yunzhi Shi	Overview of deep learning in seismic interpretation
	Nam Pham	Deep learning and uncertainty estimation
	Zhicheng Geng	Deep learning and relative geologic time
	Yunzhi Shi	Horizon picking with unsupervised deep learning
	Zhicheng Geng	Software frameworks for deep learning
12:00–1:00	Lunch	
1:00–5:00	Afternoon session: *Seismic Data Processing*	
	Sergey Fomel	Operator chains
	Harpreet Kaur	Deep learning for seismic data processing
	Ben Gremillion	3D seismic data interpolation
	Raymond Abma	Enhancing seismic source separation
5:30–8:30	Wine reception and dinner at Z'Tejas	

Friday, October 25, 2019		
9:00–10:00	Tour of Texas Advanced Computing Center	
10:00–12:00	Morning session: *Full Waveform Inversion and Seismic Imaging*	
	Yunan Yang (NYU)	Improvements in optimal-transport FWI
	Kristian Jensen (U Bergen)	Point-spread functions in seismic imaging
	Luke Decker	Probabilistic diffraction imaging
12:00–1:00	Lunch	

The meeting location is Main Conference Room, Bureau of Economic Geology
J.J. Pickle Research Campus, 10100 Burnet Road, Building 130, Austin, TX 78758.

The dinner location is Z'Tejas
9400 Ste A Arboretum Boulevard, Austin, TX 78759.