

Texas Consortium for Computational Seismology

Twelfth Bi-Annual Research Meeting

Monday, October 24, 2016		
8:00–8:30	Coffee and pastries	
8:30–9:00	Sergey Fomel	Introduction
9:00–12:00	Morning session: <i>Full Waveform Imaging and Inversion</i>	
	Junzhe Sun Hanming Chen (CUPB) Yunan Yang Zhiguang Xue	Modeling and imaging using low-rank approximation Fractional Laplacian viscoacoustic wave equation FWI using the Wasserstein metric FWI using smoothing kernels
12:00–1:00	Lunch	
1:00–4:00	Afternoon session: <i>Seismic Image Enhancement</i>	
	Xinming Wu Mason Phillips Sean Bader Sarah Greer Dmitry Merzlikin	Seismic interpretation for structure and stratigraphy Coherence attributes and time-lapse registration Matching well-logs and seismic data Matching high-resolution and legacy seismic data Applications of azimuthal plane-wave destruction
4:00–5:00	Afternoon session: <i>Passive Seismic</i>	
	Yunzhi Shi Alexandros Savvaidis	Microseismic source localization Review of Texas Seismological Network (TexNet)
5:30–8:30	Wine reception and dinner at Maggiano's	

Tuesday, October 25, 2016		
8:00–8:30	Coffee and pastries	
8:30–11:00	Morning session: <i>Seismic Anisotropy and Elasticity</i>	
	Sergey Fomel Yanadet Sripanich Xufei Gong (CUP)	Generalized velocity approximation 3D GMA and anisotropic parameter estimation Multicomponent static corrections
11:00–12:00	Afternoon session: <i>High Performance Computing</i>	
	Karl Schleicher TACC staff	Seismic data processing workshop Tour of TACC
12:00–1:00	Lunch	

The meeting location is Room ROC 1.603, Texas Advanced Computing Center (TACC)
J.J. Pickle Research Campus, Building 196, 10100 Burnet Road (R2200), Austin, TX 78758

The dinner location is Maggiano's
10910 Domain Drive, Suite 100, Austin, TX 78758