Texas Consortium for Computational Seismology

Seventh Bi-Annual Research Meeting

Thursday, March 20, 2014		
8:00–8:30	Coffee and pastries	
8:30–9:00	Sergey Fomel	Introduction
9:00–12:00	Morning session: *Traveltimes and Velocities*	
	Siwei Li	Seismic imaging and velocity estimation with the linearized eikonal equation
	Ryan Swindeman	Gaussian beams in the time domain
	Mehdi Far	Azimuthal anisotropy analysis
	Yanadet Sripanich	Velocity approximations in orthorhombic media
12:00–1:00	Lunch	
1:00–5:00	Afternoon session: *Data Analysis*	
	Haizhao Yang (Stanford)	Syncrosqueezed curvelet transform
	Yangkang Chen	Deblending of simultaneous sources
	Luke Decker	Diffraction imaging
	Parvaneh Karimi	Seismic interpretation in stratigraphic coordinates
	Karl Schleicher	Processing open 3D data in Madagascar
	Tip Meckel (BEG)	High-resolution 3D surveys in the Texas shelf
5:30–8:30	Wine reception and dinner at Rattan Pan Asian Bistro	

Friday, March 21, 2014		
8:00–8:30	Coffee and pastries	
8:30–12:00	Morning session: *Imaging by Inversion*	
	Sergey Fomel	Four methods of regularization
	Zhiguang Xue	Least-squares RTM with shaping regularization
	Hejun Zhu	Uncertainty analysis in FWI
	Junzhe Sun	Lowrank least-squares RTM in attenuating media
	Yu Zhang (ConocoPhillips)	From imaging to inversion
12:00–1:00	Lunch	
1:00–3:00	Afternoon session: *Signal Processing by Inversion*	
	Bjorn Engquist	Wasserstein metric and seismic data registration
	Jianwei Ma (Harbin)	From low-rank method to data-driven tight frame
	Jingwei Hu	Approximation of pseudo-differential operators
	Pengliang Yang (Xi'an Jiaotong)	Signal separation using MCA and seislet transform

The meeting location is BEG Houston Research Center,
11611 West Little York Road, Houston, TX 77041.

The dinner location is Rattan Pan Asian Bistro,
1396 Eldridge Parkway, Houston, TX 77077.