



The Jackson School of Geosciences
2016 Annual Meeting & Technical Symposium
Forum for Exploration and Development Geophysics Education & Research (EDGER)

AGENDA

Tuesday, March 1, 2016 (Annual Dinner)

Annual Dinner: 6:30 pm

The EDGER Forum's 2016 Annual Dinner. Location Cover 3 restaurant downtown, 1717 West Sixth Street, #210R; Austin, TX 78703

Wednesday, March 2, 2016 (Annual Meeting, Student Activity Center (SAC) 1.106)

8:00–8:30 AM Registration/Breakfast

8:30–9:10 AM Welcome address (M. Sen and K. Spikes)

Session I: Rock physics and reservoir characterization

9:10–9:35 AM A new 3D seismic data based AVAZ fracture-characterization method: Case study in the Haynesville Shale – Anthony Barone

9:35–10:00 AM The effects of inclusion orientation on excess-compliance and inclusion-based models – Jennifer Beam

10:00–10:25 AM Characterization of the Cana-Woodford Shale using a fractal-based, very fast simulated annealing algorithm – Barry Borgman

10:25–10:45 AM Coffee Break

10:45–11:10 AM The need for high resolution sonic logs in rock-physics modeling – Elliot Dahl

11:10–11:30 AM Time-lapse 3D VSP study for characterizing fractures in the Barnett Shale – David Tang

11:30–11:55 PM Feasibility of isotropic post-stack seismic inversion in orthorhombic media using the Barrett unconventional model – Andrew Yanke

12:00–1:00 PM Lunch

Session II: Numerical methods: Inversion and wavefield simulation

1:00–1:25 PM Double plane wave least squares reverse time migration – Zeyu Zhao

1:25–1:50 PM Pre-stack inversion on FWI results of Mahanadi – Reetam Biswas

1:50–2:15 PM Global full waveform inversion using particle swarm optimization – Debanjan Datta

2:15–2:30 PM Coffee Break

2:30–2:55 PM 3D simulation of seismic wave propagation in fractured media using an integral method accommodating irregular geometries – Han Liu

2:55–3:20 PM Geostatistics guided seismic inversion from the Eagle Ford Shale – Qi Ren

3:20–3:45 PM General Discussion

3:45 PM Adjourn