

EARTH RESOURCES LABORATORY
2007 INDUSTRY CONSORTIA MEETING
ERL's 25th Anniversary Year
May 30 – May 31, 2007
Room 66-110, MIT
AGENDA

Wednesday May 30, 2007

- 8:00 am Registration and continental breakfast
8:30 Welcome and Opening Remarks: ERL 25 years and beyond – Rob van der Hilst
- Session 1: Reservoir Characterization and Monitoring***
- 9:00 Fracture properties from seismic scattering – Dan Burns
9:15 Analysis of scattered signals to estimate fracture parameters – Samantha Grandi
9:45 Fracture quality from integrating time-lapse VSP and microseismic data – Mark Willis
- 10:15 Break
- 10:30 Integrated geophysical monitoring of a producing reservoir – Nafi Toksoz
10:45 GPS and InSAR: reservoir monitoring –Tom Herring/ Noa Becher
11:15 GPS and InSAR: interpreting reservoir geomechanics – Brad Hager
11:45 Differential travelttime tomography: Frio results and implications for acquisition design –
 Jonathan Ajo-Franklin
- 12:15 pm Lunch (catered)**
- Session 2: Fluid-Rock Interactions and Rock Physics Modeling***
- 1:30 SP-Resistivity: new directions – Dale Morgan
1:45 Experimental design applied to borehole DC resistivity – Darrell Coles
2:15 The influence of resistivity structure on self-potential source inversion – Burke Minsley
2:45 Electroseismic/seismoelectric measurements in porous materials– Zhenya Zhu
- 3:15 Break
- 3:30 Pore-scale rock physics modeling: an overview – Jonathan Ajo-Franklin
3:45 Effective conductivity modeling of a fluid saturated porous rock –Xin Zhan
4:15 Pore-scale elastic wave propagation modeling – Yang Zhang/Fuxian Song
4:45 Non-linear soil response in the near field of a vibrator truck: application to land seismic
 surveys – Fred Pearce
- 5:15 pm Adjourn
6:00 Reception and Dinner – Legal Seafood

Thursday May 31, 2007

8:00 am Continental breakfast

Session 3: New Applications in Reservoir Imaging

8:30 Passive seismic imaging from global to reservoir scales with inverse scattering and wave equation tomography – Rob van der Hilst
9:00 Identification, characterization and use of (scattered) seismic noise – Xander Campman
9:30 Passive seismic monitoring: tomographic reservoir imaging – Sudipta Sarkar
10:00 break
10:30 Illuminating steeply dipping reflectors with doubly scattered waves– Alison Malcolm
11:00 Seismic interferometry I: Redatumming through a Salt Canopy – Mark Willis
11:30 Seismic interferometry II: Elastodynamic redatumming – Rongrong Lu
12:00 Working Lunch and Business Meeting – Faculty Club
2:00 pm Adjourn