

Unconventional Time-lapse Geophysics

SEG Annual Meeting 2008, Las Vegas

Convention workshop, Friday morning, November 14

Organizing committee:

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Through the support of the Research Committee

Agenda

- 08:30 Keynote on gravity 4D Microgravity Surveillance of the Gas Cap Waterflood, Prudhoe Bay, Alaska. *Jennifer Hare**, Zonge Engineering and Research Organization; *John Ferguson*, University of Texas at Dallas; *Jerry Brady*, BP Exploration Alaska; *John Seibert*, Seibert and Associates; and *Fred Klopping*, Micro-g Lacoste.
- 09:00 Keynote on electromagnetic Reservoir monitoring with CSEM. *Norman Allegar*; *Kurt Strack*; *Leon Thomsen**; and *Gang Yu*, KMS Technologies.
- 09:30 Poster introductions
Two slides per poster
- 09:45 Poster sessions
Three sessions with 15 minute rotations covering wide range of topics
- Recent developments in cross-well EM for time-lapse reservoir monitoring. *Ping Zhang**; *David Alumbaugh*; *Ajay Nalonnili*; *Jean-Marc Donadille*; *Cyrille Levesque*; *Michael Wilt*; *Guozhong Gao*; and *Hong Zhang*, Schlumberger, *Alberto Marsalla* and *Saleh Al-Ruwaili*, Saudi Aramco.
 - The uncertainty analysis for the local time-shift estimation. *Long Jin** and *Sergey Fomel*, University of Texas at Austin.
 - Time-lapse ERT monitoring and measures of model reliability for an injection/withdrawal experiment in a near-surface aquifer. *Greg Oldenborger**, Geological Survey of Canada; *Partha Routh*, ConocoPhillips; and *Mike Knoll*, Boise, Idaho.
 - Supporting Exploration and Production with PSInSAR™ technique. *Alessandro Ferretti**, *Fabrizio Novali*, *Stefano Cespa*, *Marco Bianchi*, *Alfio Fumagalli*, Tele-Rilevamento Europa T.R.E., Italy.
 - Using deformation for reservoir monitoring and characterization: InSAR surveillance of CO2 injection at the Krechba field, Algeria. *Don W. Vasco**, Berkeley Laboratory, CA; *Alessandro Ferretti*; *Fabrizio Novali*, Tele-Rilevamento Europa T.R.E., Italy; and *Fabio Rocca*, Politecnico di Milano, Italy.

- Reservoir monitoring with virtual sources in crosswell and horizontal well geometries. *Kurang Mehta**; *P. Jorgensen*; *D. Kiyashchenko*; *J. Ferrandis*; *Jorge Lopez*; *M. Costello*, *Shell*.
- Continuous microseismic monitoring applied to heavy oil production. *James Lakings**, *Microseismic Inc.*
- Waiting confirmation on one more poster presentation from Middle East.

10:30 Keynote on geodetic
Seeing from the surface: Getting the most from deformation. *Eric Davis**; *Scott Marsic*; *Jing Du*; and *William Roadarmel*, *Pinnacle Technologies*.

11:00 Keynote on unconventional seismic
Possibilities and Benefits of using Full Azimuth Nodes in Reservoir Monitoring and Imaging. *Eivind Berg**; *Claude Vuillermoz*; and *Geir Woje*, *SeaBird Exploration*, *SeaBed Seismic Division*.

11:30 Panel and audience discussion

12:00 End