



—Agenda—

2009 CWP Annual Project Review Meeting

Monday, May 11, 2009

Short Course, Centennial ABC

1:00 -- 5:00 **William Symes (Rice University)**
Velocity analysis and waveform inversion

2:30 -- 3:00 **Refreshment Break**

Dinner on your own

Opening Reception

8:00 -- 10:00 Main Centennial Foyer



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2009 CWP Annual Project Review Meeting

Tuesday, May 12, 2009

7:00 -- 8:00 Breakfast in West Centennial Foyer

Morning Session, Centennial ABC

8:00 -- 8:15 **Roel Snieder**

Welcome

8:15 -- 8:45 **Tongning Yang* and Paul Sava**

Moveout analysis for extended imaging conditions

8:45 -- 9:15 **Francesco Perrone* and Paul Sava**

Comparison of shot encoding functions

9:15 -- 9:45 **Tongning Yang* and Paul Sava**

Wave-equation MVA using extended images

9:45 - 10:15 **Refreshment Break**

10:15 -- 10:45 **Norm Bleistein**

Ray-theoretic and Gaussian beam modeling in one-dimensional media: A tutorial

10:45 -- 11:00 **Bharath Shekar* and Ilya Tsvankin**

Estimation of shear-wave interval attenuation from mode-converted data

11:00 -- 11:15 **Mamoru Takanashi* and Ilya Tsvankin**

Influence of lateral heterogeneity on nonhyperbolic moveout analysis for VTI media

11:15 -- 11:45 **Xiaoxiang Wang* and Ilya Tsvankin**

Stacking-velocity tomography with borehole constraints for tilted TI media

11:45 -- 1:30 **Lunch, Hosted by CWP, Cascade Ballroom**

Afternoon Session, Centennial ABC

1:30 -- 2:00 **Yuanzhong Fan*, Clement Fleury* and Roel Snieder**

Green's function reconstruction in strongly scattering media

2:00 -- 2:15 **Filippo Brogini**

Connections between four scattering principles

2:15 -- 2:45 **Roel Snieder**

Lagrangian Green's function extraction

2:45 -- 3:15 **Evert Slob**

Potential field interferometry

3:15 -- 3:45 **Refreshment Break**

3:45 -- 4:15 **Dave Hale**

Image-guided blended neighbor interpolation of scattered data

4:15 -- 4:30 **Luming Liang* and Dave Hale**

Implementations of natural neighbor interpolation

4:30 -- 5:00 **John Etgen (BP)**

The pseudo-analytical method: Applications of pseudo-Laplacians to acoustic anisotropic wave propagation



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2009 CWP Annual Project Review Meeting

Wednesday, May 13, 2009

7:00 -- 8:00 Breakfast in West Centennial Foyer

Morning Session, Centennial ABC

- 8:00 -- 8:30 **Derek Parks**
Freeform modeling of faulted surfaces in seismic images
- 8:30 -- 9:00 **Ali Moradi Tehrani**
Iterative extended Born approximation for 3D CSEM modeling
- 9:00 -- 9:30 **Yuanzhong Fan* and Roel Snieder**
3-D controlled source electromagnetic (CSEM) interferometry by multi-dimensional deconvolution
- 9:30 -- 10:00 **Jürg Hunziker**
Electromagnetic interferometry for reservoir characterization: Noise aspects
- 10:00 -- 10:30 **Refreshment Break**
- 10:30 -- 11:00 **Myoung Jae Kwon**
Uncertainty analysis for the integration of seismic and CSEM data
- 11:00 -- 11:30 **Walter Söllner (PGS), Ilya Tsvankin (CWP) and Eduardo Silva (Petrobras)**
Multi-azimuth prestack time migration for anisotropic weakly heterogeneous media
- 11:30 -- 12:00 **Jia Yan* and Paul Sava**
Elastic wave-mode separation for TTI media
- 12:00 -- 1:30 **Lunch, Hosted by CWP, Cascade Ballroom**

Afternoon Session, Centennial ABC

- 1:30 -- 2:00 **Mattia Miorali**
Feasibility study of borehole radar measurements for oil-field applications
- 2:00 -- 2:30 **Rodrigo Fuck* and Ilya Tsvankin**
Analysis of the symmetry of a stressed medium using nonlinear elasticity
- 2:30 -- 3:00 **Steve Smith* and Ilya Tsvankin**
Modeling and analysis of compaction-related signatures for multi-component data
- 3:00 -- 3:30 **Refreshment Break**
- 3:30 -- 4:00 **Farnoush Forghani-Arani* and Roel Snieder**
Reconstruction of scattered surface waves by interferometry using USArray data
- 4:00 -- 4:30 **Bill Dragoset (WesternGeco)**
General surface multiple prediction (GSMP)



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2009 CWP Annual Project Review Meeting

Thursday, May 14, 2009

7:00 -- 8:30 Breakfast in West Centennial Foyer

Morning Session, Centennial ABC

8:30 -- 9:00 **Dave Hale**
Structure-oriented smoothing and semblance

9:00 -- 9:30 **Yong Ma* and Paul Sava**
Multiscale heterogeneity imaging effects

9:30 -- 10:00 **Ran Xuan* and Paul Sava**
Bayesian micro-earthquake location

10:00 -- 10:15 **Refreshment Break**

10:15 -- 10:30 **John Stockwell**
CWP software

10:30 -- 11:00 **Roel Snieder**
The real questions in carbon sequestration

11:00 -- 11:30 Business Meeting and Technical Discussion

11:30 SAFE TRAVELS