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2013 CWP Annual Project Review Meeting

Monday, May 13, 2013

CWP Tutorial, Salons A-D Ballrooms

1:00 -- 5:00  Dave Hale, Director, Center for Wave Phenomena  
             Structure-oriented processing & inversion

3:00 -- 3:30  Refreshment Break, Salons A-D Foyer

Welcome Reception

5:00 -- 7:00  Pool Patio (weather permitting) or Salons E-H Ballrooms
—Agenda—

2013 CWP Annual Project Review Meeting

Tuesday, May 14, 2013

7:00 -- 8:00 Breakfast in Salons E-H Ballrooms

Morning Session, Salons A-D Ballrooms

8:00 -- 8:30 Yong Ma* and Dave Hale
Wave-equation reflection traveltime inversion with dynamic warping

8:30 -- 9:00 Simon Luo* and Dave Hale
Separating traveltimes and amplitudes in waveform inversion

9:00 -- 9:30 Nishant Kamath* and Ilya Tsvankin
Gradient computation for full-waveform inversion in 2D elastic VTI media

9:30 -- 10:00 Jyoti Behura*, Farnoush Forghani, and Farhad Bazargani
Improving microseismic imaging: role of acquisition, velocity model, and imaging condition

10:00 -- 10:30 Refreshment Break, Salons A-D Foyer

10:30 -- 11:00 Oscar Jarillo Michel* and Ilya Tsvankin
Gradient computation for full-waveform inversion of microseismic data in VTI media

11:00 -- 11:30 Farhad Bazargani* and Roel Snieder
Optimal wave focusing

11:30 -- 12:00 Jyoti Behura* and Roel Snieder
Imaging direct- as well as scattered-events in microseismic data using inverse scattering theory

12:00 -- 1:00 Lunch, hosted by CWP, Salons E-H Ballrooms

Afternoon Session, Salons A-D Ballrooms

1:00 -- 1:30 Stefan Compton* and Dave Hale
Estimating Vp/Vs ratios using smooth dynamic image warping

1:30 -- 2:00 Andrew Muñoz* and Dave Hale
Automatic simultaneous multiple-well ties

2:00 -- 2:30 Xinming Wu* and Dave Hale
Extracting horizons and sequence boundaries from 3D seismic images

2:30 -- 3:00 Refreshment Break, Salons A-D Foyer

3:00 -- 3:30 Allison Knaak*, Roel Snieder, Yuanzhong Fan and David Ramirez-Mejia
3D synthetic aperture and steering for controlled-source electromagnetics

3:30 -- 4:00 Yuting Duan* and Paul Sava
Elastic imaging with multiples

4:00 -- 4:15 Dave Hale
Visualizing conical faults

4:15 -- 4:45 Rick Groshong, Professor Emeritus, University of Alabama
Geological interpretation of cone-shaped, strata-bound faults
---Agenda---

2013 CWP Annual Project Review Meeting

Wednesday, May 15, 2013

7:00 -- 8:00  Breakfast in Salons E-H Ballrooms

Morning Session, Salons A-D Ballrooms

8:00 -- 8:30  Johannes Douma* and Roel Snieder
             Locating microseismic events using deconvolution
8:30 -- 9:00  Filippo Broggini*, Roel Snieder and Kees Wapenaar
             Wave field autofocusing and imaging with multidimensional deconvolution
9:00 -- 9:30  Satyan Singh*, Roel Snieder, Jyoti Behura, Joost van der Neut and Kees Wapenaar
             Retrieving the Green’s function in the presence of the free surface
9:30 -- 10:00 Joost van der Neut* and Filippo Broggini
             Turning one-sided illumination into two-sided illumination by target-enclosing interferometric redatuming

10:00 -- 10:30 Refreshment Break, Salons A-D Foyer
10:30 -- 11:00 Tongning Yang* and Paul Sava
             3D image-domain wavefield tomography using time-lag gathers
11:00 -- 11:30 Esteban Diaz* and Paul Sava
             Wavefield tomography using RTM backscattering
11:30 -- 12:00 Francesco Perrone* and Paul Sava
             Image warping wavefield tomography

12:00 -- 1:00  Lunch, hosted by CWP, Salons E-H Ballrooms

Afternoon Session, Salons A-D Ballrooms

1:00 -- 1:30  Xiaoxiang Wang and Ilya Tsvankin*
             Tomographic inversion of P-waves for TTI media: Application to field data
1:30 -- 2:00  Pengfei Cai* and Ilya Tsvankin
             Tomographic velocity analysis of PP- and PS-waves for VTI media: Field-data application
2:00 -- 2:15  Tongning Yang* and Paul Sava
             3D angle gathers from wave-equation extended images
2:15 -- 2:45  Natalya Patrikeeva* and Paul Sava
             Angle decomposition for wave-equation migration

2:45 -- 3:15  Refreshment Break, Salons A-D Foyer
3:15 -- 3:45  Chinaemerem Kanu*, Roel Snieder and Kristine Pankow
             Time-lapse monitoring of velocity changes in Utah
3:45 -- 4:15  Francesco Perrone* and Paul Sava
             Time-lapse velocity analysis with image displacements
4:15 -- 4:45  James Rickett, WesternGeco/Schlumberger
             Data-adaptive deghosting
5:30 -- 6:30  Classical Music Concert, Salons E-H Ballrooms
             Olga Dashevskaya (piano) and Lydia Sviatlovskaya (violin)
---Agenda---

2013 CWP Annual Project Review Meeting

Thursday, May 16, 2013

7:00 -- 8:00  Breakfast in Salons E-H Ballrooms

Morning Session, Salons A-D Ballrooms

8:00 -- 8:15  Roel Snieder* and Kaoru Sawazaki
              Synthetic aperture Green’s function retrieval

8:15 -- 8:30  Pablo David García López
              Autofocusing in lossy media

8:30 -- 9:00  Bharath Shekar* and Ilya Tsvankin
              Kirchhoff modeling for attenuative TI media

9:00 -- 9:30  Michael Behm
              Imaging shallow crustal structure by blind deconvolution of teleseismic body waves

9:30 -- 10:00 Nori Nakata* and Roel Snieder
            Body-wave interferometry using local earthquakes

10:00 -- 10:30 Refreshment Break, Salons A-D Foyer

10:30 -- 10:45 Detchai Pock Ittharat* and Paul Sava
              Asteroid imaging

10:45 -- 11:15 Paul Sava* and André Revil
              Virtual seismic electrodes

11:15 -- 11:30 John Stockwell
              CWP Resources

11:30 -- 12:00 Dave Hale
              Business Meeting