



CSM Participants at the 2008 SEG Meeting, Las Vegas, NV

The following is a list of CSM faculty and students and their collaborators who will make presentations at the SEG meeting.

Monday afternoon, November 10

SS 1: Recent Advances and the Road Ahead (Special Session) – Lagoon G

- 3:10 PM – Mike Fehler*, MIT; Arthur Cheng, Cambridge Geosciences; Ken Lerner, SEAM Board (and CSM); Peter Pangman, SEG. SEAM: High-value geophysical modeling. (SS1.5)

PSC 1: Event Location and Interferometry – Lagoon J

- 2:45 PM – Paul Sava, CSM. Micro-earthquake monitoring with sparsely-sampled data. (PSC 1:4)
- 3:35 PM – Yuanzhong Fan* and Roel Snieder, CSM. Source distribution in interferometry for wave and diffusion. (PSC 1:6)

TL 1: Time Lapse Case Studies – Lagoon B

- 4:00 PM – Dave Hale*, CSM; Barbara Cox and Paul Hatchell, Shell Int'l E&P. Apparent horizontal displacements in time-lapse seismic images. (TL1:7)

SPMI P1: Seismic Processing Migration: Techniques (Poster Session) -- Exhibit Hall

- 2:10 PM – Tongning Yang* and Paul Sava, CSM. Wave-equation extended images for semblance and depth focusing velocity analysis. (SPMI P1:3)

Tuesday morning, November 11

SPMI 1: Seismic Processing : Migration – Frontiers – Lagoon KL

- 9:45 AM – Jia Yan* and Paul Sava, CSM. Elastic wavefield separation for VTI media. (SPMI 1:4)

ANI 1: Anisotropy – Advances – Lagoon EF

- 8:55 AM – Prajnajyoti Mazumdar*, CSM; Albena Mateeva and Andrey Bakulin, Shell Int'l E&P. Azimuthal anisotropy characterization with multicomponent virtual shear sources at Rulison Field, Colorado. (ANI 1:2)

SS 3: Innovations in Geophysics: A Tribute to Rodney Calvert (Special Session) – Lagoon G

- 8:30 AM – Ken Lerner, CSM. Always looking to improve things is fun. (SS3.1)
- 9:20 AM – K. Wapenaar, J. van der Neut, E. Ruigrok, E. Slob, J. Thorbecke, Delft Univ.; and R. Snieder, CSM. Seismic interferometry by cross-correlation of deconvolution? (SS 3.3)
- 9:45 AM – K. van Wijk*, Boise State Univ.; A. Calvert, ION GX Technology; M. Haney, USGS Alaska Volcano Observatory; D. Mikesell, Boise State Univ.; R. Snieder, CSM. The critical angle in seismic interferometry. (SS3.4)

TL 2: Land, CO₂, and New Developments – Lagoon B

- 8:30 AM – Thomas L. Davis and Robert Benson, CSM. Tight gas sandstone monitoring, Rulison Field, Colorado. (TL 2:1)
- 8:55 AM – Alexandre Araman*, Matthew Hoffman and Thomas L. Davis, CSM. Thief zone identification through seismic monitoring of a CO₂ flood, Weyburn Field, Saskatchewan. (TL 2:2)

RP 1: Core to Field Scale Measurements and Models for Shales and Sands – Lagoon C

- 8:30 AM – Arpita Pal-Bathija*, M. Prasad, H. Liang, M. Upmanyu, N. Lu and M. Batzle, CSM. Elastic properties of clay minerals. (RP 1:1)
- 9:20 AM – Rituparna Sarker* and Michael Batzle, CSM. Effective stress coefficient for North Sea shale: An experimental study. (RP 1:e) ()

GM 1: 4D Gravity, Borehole and Interpretation – Lagoon D

- 9:20 AM – Richard Krahenbuhl* and Yaoguo Li, CSM. Joint inversion of surface and borehole 4D gravity data for continuous characterization of fluid contact movement. (GM 1:3)
- 9:45 AM – Kristofer Davis*, Andy Kass, Richard Krahenbuhl and Yaoguo Li, CSM. Survey design and model appraisal based on resolution analysis for 4D gravity monitoring. (GM 1:4)

Tuesday afternoon, November 11

INT 1: Integrated Studies -- Lagoon H

- 3:10 PM – Matthew Casey, CSM. Uncertainty reduction in reservoir modeling by joint inversion of seismic and geostatistics. (INT 1:5)

RC 3: Modeling, Monitoring, and Dispersion -- Lagoon I

- 3:35 PM – Ramses G. Meza* and Thomas L. Davis, CSM. Time-lapse V_p/V_s analysis for pressure mapping, Rulison Field, Colorado. (RC 3:6)

EM 2: Modeling and Inversion II – Lagoon J

- 3:35 PM – Kristopher MacLennan* and Yaoguo Li, CSM. Using the equivalent source technique to estimate noise in 4D TEM data. (EM 2:6)

Wednesday morning, November 12

AVO 1: Amplitude versus Offset – Lagoon EF

- 10:35 AM – Jyoti Behura* and Ilya Tsvankin, CSM. Estimation of interval anisotropic attenuation from reflection data. (AVO1:6)

SVIP 1: Velocity Anisotropy or Heterogeneity? – Lagoon B

- 11:25 AM – Xiaoxiang Wang* and Ilya Tsvankin, CSM. Interval anisotropic parameter estimation using velocity-independent layer stripping. (SVIP 1:8)

RP 2: Carbonate Rock Property Measurements and Modeling – Lagoon C

- 10:10 AM – G. Chen*, D. Chu, J. Zhang, S. Xu, M.A. Payne, ExxonMobil Upstream Research Co.; Ludmila Adam, CSM. Intrinsic P- and S-wave attenuation of carbonate reservoir rocks from seismic sonic to ultrasonic frequencies. (RP 2:5)

Wednesday afternoon, November 12

SPMI 3: Computational methods – Lagoon KL

- 4:25 PM – Norman Bleistein, CSM; Yu Zhang, CGGVeritas; and Guanquan Zhang, Academia Sinica. Asymptotically true-amplitude one-way wave equations in t . (SPMI 3:8)

INT 2: Attributes, Workflows, and Visualization – Lagoon H

- 2:20 PM – John Mathewson* and Dave Hale, CSM. Detection of channels in seismic images using the steerable pyramid. (INT 2:3)

RP 3: Unconventionals: Heavy Oil and Hydrate Applications and Modeling – Lagoon C

- 1:30 PM – De-hua Han and Jiajin Liu, Univ. of Houston; and Michael Batzle, CSM. Velocity and dispersion of heavy oils. (RP 3.1)
- 1:55 PM – Agnibha Das* and Michael Batzle, CSM. Elastic properties of heavy-oil saturated rocks: Comparison of modeled and measured results. (RP 3:2)

SS 6: Site Characterization and Geophysical Monitoring for CO2 Storage (Special Session) – Lagoon G

- 2:45 PM – Alexandre E. Araman*, Michael Hoffman and Thomas L. Davis, CSM. Thief zone identification through seismic monitoring of a CO2 flood, Weyburn Field – Saskatchewan. (SS6.4)

NSE 3: Near Surface and Environment – Seismic – Reef C

- 2:45 PM – Steven Smith* and Roel Snieder, CSM. Seismic modeling and analysis of the prototype heated nuclear waste storage tunnel, Yucca Mountain Nevada. (NSE 3:4)

Thursday morning, November 13

SS 8: Near Real-time UXO Discrimination (Special Session) – Reef C

- 9:20 AM – T.H. Asch*, D.L. Wright, C.W. Moulton, and T.P Irons, USGS; M.N. Nabighian, CSM. ALLTEM UXO detection and discrimination. (SS8.3)

Short Courses

- **November 8 – Mathematics of Modeling, Migration and Inversion with Gaussian Beams**
Instructor: Norm Bleistein
- **November 8 & 9 – Seismic Anisotropy: Basic Theory and Applications in Exploration and Reservoir Characterization**
Instructors: Ilya Tsvankin and Vladimir Grechka