



## **CWP Participants at the 2007 SEG Meeting, San Antonio, TX**

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

### **Monday afternoon, September 24**

#### **AVO 1: Case Studies and Methods, Room 214 CD**

- 2:20 PM – Xiaoxia Xu\*, Center for Wave Phenomena and ExxonMobil Upstream Research Co.; Ilya Tsvankin, Center for Wave Phenomena, Colorado School of Mines. A case study of azimuthal AVO analysis with anisotropic spreading correction. (AVO 1.3)

#### **SPMI 1: Reverse-Time Migration, Room 217A**

- 2:20 PM – Jia Yan\* and Paul Sava, Center for Wave Phenomena, Colorado School of Mines. Elastic wavefield imaging with scalar and vector potentials. (SPMI 1.3)
- 4:25 PM – Ivan Vasconcelos, Center for Wave Phenomena, Colorado School of Mines; Stewart T. Taylor, Duke University; Roel Snieder, Colorado School of Mines; J. Andres Chavarria, Paulsson Geophysical Services; Paul Sava, Colorado School of Mines; Petr Malin, Duke University. Broadside interferometric and reverse-time imaging of the San Andreas fault at depth. (SPMI 1.8)

#### **ST 1: Waves and Wavelets, Room 216B**

- 1:30 PM – Kees Wapenaar\*, Delft University of Technology; Roel Snieder, Colorado School of Mines. From order to disorder: A philosophical view on seismic interferometry. (ST 1.1)
- 2:20 PM – Jyoti Behura, Center for Wave Phenomena, Colorado School of Mines. Virtual Real Source. (ST 1.3)

#### **PSC 1: Studies, Room 218**

- 2:45 PM – Masatoshi Miyazawa\*, Colorado School of Mines; Anupama Venkataraman, ExxonMobil Upstream Research Co; Roel Snieder, Colorado School of Mines; Michael A. Payne, ExxonMobil Upstream Research Co. Analysis of micro earthquake data at Cold Lake and its applications to reservoir monitoring. (PSC 1.4).

### **Tuesday morning, September 25**

#### **ANI 1: Fractures Characterization and Borehole Imaging, Room 217D**

- 8:30 AM – Chaired by Mark Chapman and Ilya Tsvankin

## **TL 2: Processing, Room 210A**

- 11:00 AM – Kurang Mehta, Center for Wave Phenomena, Colorado School of Mines; Jonathan Sheiman, Shell Int'l E&P; Roel Snieder, Center for Wave Phenomena, Colorado School of Mines; Rodney Calvert, Shell Int'l E&P. The virtual-source method applied to Mars field OBC data for time-lapse monitoring. (TL 2.7)

## **Tuesday afternoon, September 25**

### **SPMI 3: Multiscale and Directional Analysis, Room 217A**

- 3:35 PM – Paul Sava, Center for Wave Phenomena, Colorado School of Mines. Stereographic imaging condition for wave-equation migration. (SPMI 3.6)

### **EM 3: CSEM Theory I, Room 217C**

- 4:00 PM – Evert Slob\* and Kees Wapenaar, Delft University of Technology; Roel Snieder, Center for Wave Phenomena, Colorado School of Mines. Interferometry in dissipative media: Addressing the shallow-sea problem for seabed logging applications. (EM 3.7)

### **TL 3: Acquisition, Modeling and Other Ideas, Room 210A**

- 1:55 PM – Rodrigo Felicio Fuck, Center for Wave Phenomena, Colorado School of Mines; Andrey Bakulin, Shell Int'l E & P; Ilya Tsvankin, Center for Wave Phenomena, Colorado School of Mines. Time-lapse traveltimes shifts above compacting reservoirs: 3D solutions for prestack data. (TL 3.2)
- 2:45 PM – Dave Hale, Colorado School of Mines. A method for estimating apparent displacement vectors from time-lapse seismic images. (TL 3.4)

### **MC 1: Inversion, Imaging and Acquisition, Room 212A**

- 2:20 PM – Kurang Mehta, Center for Wave Phenomena, Colorado School of Mines; Andrey Bakulin, Jonathan Sheiman, and Rodney Calvert, Shell Int'l E&P; Roel Snieder, Center for Wave Phenomena, Colorado School of Mines. Improving the virtual source method by wavefield separation. (MC 1.3)

## **Wednesday morning, September 26**

### **RC 3: Developing Techniques, Room 214 CD**

- 9:45 AM – Jyoti Behura, Center for Wave Phenomena, Colorado School of Mines; Nurul Kabir, Richard Crider, and Petr Jílek, BP E&P Technology Group; Ellen Lake, BP North American Gas Strategic Performance Unit. Density extraction from P-wave AVO inversion: Tuscaloosa trend example. (RC 3.4)

### **SVIP 1: Applications, Room 210A**

- 10:10 AM – Jia Yan\* and Ilya Tsvankin, Center for Wave Phenomena, Colorado School of Mines. AVO-sensitive semblance analysis for wide-azimuth data. (SVIP 1.5)

### **SI 3: Algorithms II, Room 213A**

- 11:00 AM – Norm Bleistein\*, Center for Wave Phenomena, Colorado School of Mines; Samuel H. Gray, CGGVeritas. Modeling, migration, and inversion with Gaussian beams, revisited. (SI 3.7)

### **ANI 2: Seismic Imaging, Room 217D**

- 9:20 AM – Laxmidhar Behera\*, Center for Wave Phenomena, Colorado School of Mines and Nat'l Geophysical Research Inst., India; Ilya Tsvankin, Center for Wave Phenomena, Colorado School of Mines. Migration velocity analysis and imaging for tilted TI media. (ANI 2.3)

### **VSP 1: Techniques, Room 218**

- 10:35 AM – Ivan Vasconcelos and Roel Snieder, Colorado School of Mines; Brian Hornby, BP America. Target-oriented interferometry: Imaging with internal multiples from subsalt VSP data. (VSP 1.6)

## **Wednesday afternoon, September 26**

### **SPMI 5: Two-way Versus One-Way, Room 217A**

- 4:00 PM – Paul Sava\*, Center for Wave Phenomena, Colorado School of Mines; Oleg Poliannikov, University of Colorado. Interferometric imaging condition for wave equation migration. (SPMI 5.7)

## **Short Courses**

- **September 22 – Mathematics of Modeling, Migration and Inversion with Gaussian Beams**
- Instructor: Norm Bleistein
- **September 22-23 – Seismic Anisotropy: Basic Theory and Applications in Exploration and Reservoir Characterization**

Instructors: Ilya Tsvankin and Vladimir Grechka