

**—Agenda—**  
**2016 CWP Annual Project Review Meeting**

**Monday, May 16, 2016**

**CWP Tutorial, Centennial Ballroom**

1:00 -- 5:00 **Michael Wakin, Department of Electrical Engineering and Computer Science,  
Colorado School of Mines**  
“Compressive sensing”

**2:00 -- 2:30 Refreshment Break, Centennial Ballroom**

**3:30 -- 4:00 Refreshment Break, Centennial Ballroom**

**6:00 -- 7:30 Dinner – Hosted by CWP, Centennial Ballroom**

**7:30 -- 9:00 Welcome Dessert Reception, Cheyenne Courtyard**

In case of inclement weather – Remington’s I/II

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**2016 CWP Annual Project Review Meeting**

**Tuesday, May 17, 2016**

**7:00 -- 8:00 Breakfast, Centennial Ballroom**

**Morning Session, Centennial Ballroom**

- 8:00 -- 8:15 **Paul Sava**  
Welcome and opening remarks
- 8:15 -- 8:45 **Daniel Rocha\*, Nicolay Tanushev (Z-Terra), and Paul Sava**  
Anisotropic elastic wavefield imaging using the energy norm
- 8:45 -- 9:15 **Lucas Almeida\*, Michael Wakin, and Paul Sava**  
Denosing and interpolation using sparse regularization
- 9:15 -- 9:45 **Ivan Lim Chen Ning\* and Paul Sava**  
Multicomponent distributed acoustic sensing
- 9:45 -- 10:15 **Vladimir Li\*, Hui Wang, Ilya Tsvankin, Esteban Díaz, and Tariq Alkhalifah (KAUST)**  
Gradients for VTI acoustic wavefield tomography

**10:15 -- 10:45 Refreshment Break, Centennial Foyer**

- 10:45 -- 11:15 **Nishant Kamath\*, Ilya Tsvankin, and Esteban Díaz**  
Elastic FWI for VTI media: A synthetic parameterization study
- 11:15 -- 11:30 **Qifan Liu\* and Ilya Tsvankin**  
Extended inverse Born modeling in TI media
- 11:30 -- 12:00 **Aaron Prunty\* and Roel Snieder**  
Memory effects in wave propagation

**12:00 -- 1:00 Lunch, Centennial Ballroom**

**Afternoon Session, Centennial Ballroom**

- 1:00 -- 1:30 **Satyan Singh\* and Roel Snieder**  
Strategies for imaging with Marchenko-retrieved Green's functions
- 1:30 -- 1:45 **Antoine Guitton**  
Sparse log-domain deconvolution with offset: A Gulf of Mexico example
- 1:45 -- 2:15 **Alex Jia\*, Antoine Guitton, Satyan Singh, and Roel Snieder**  
Marchenko imaging for subsalt field data

**2:15 -- 2:45 Refreshment Break, Centennial Foyer**

- 2:45 -- 3:15 **Thomas Rapstine\* and Paul Sava**  
Contactless seismic acquisition using stereo vision
- 3:15 -- 4:00 **Xinming Wu (TCCS, BEG, University of Texas at Austin)**  
3D automatic seismic interpretation – methods and applications

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**2016 CWP Annual Project Review Meeting**

**Wednesday, May 18, 2016**

**7:00 -- 8:00 Breakfast, Centennial Ballroom**

**Morning Session, Centennial Ballroom**

- 8:00 -- 8:30 **Yuting Duan\***, Paul Sava, and Antoine Guitton  
Elastic least-squares migration
- 8:30 -- 9:00 **Esteban Díaz, Satyan Singh, Roel Snieder, and Paul Sava**  
Imaging the model through wave equations
- 9:00 -- 9:30 **Tong Bai\*** and Ilya Tsvankin  
Waveform inversion for attenuation estimation in anisotropic media
- 9:30 -- 10:00 **Hui Wang\*** and Ilya Tsvankin  
Feasibility of FWI in acoustic orthorhombic media

**10:00 -- 10:30 Refreshment Break, Centennial Foyer**

- 10:30 -- 11:00 **Oscar Jarillo Michel\*** and Ilya Tsvankin  
Anisotropic waveform inversion for microseismic velocity analysis and event location
- 11:00 -- 11:30 **Daniel Rocha\***, Paul Sava, and Jeffrey Shragge (University of Western Australia)  
Passive wavefield imaging using the energy norm
- 11:30 -- 12:00 **Vladimir Grechka\*** (Marathon Oil) and Sergey Yaskovich (Novosibirsk State University)  
Anisotropic velocity-model building in downhole microseismic monitoring

**12:00 -- 1:00 Lunch, Centennial Ballroom**

**Afternoon Session, Centennial Ballroom**

- 1:00 -- 1:30 **Satyan Singh\*** and Roel Snieder  
Beyond Marchenko - Obtaining virtual receivers and virtual sources in the subsurface
- 1:30 -- 2:00 **Esteban Díaz, Satyan Singh, and Paul Sava**  
Extended imaging, deconvolution, and two-way wavefields
- 2:00 -- 2:30 **Antoine Guitton**  
Full-waveform inversion in a VTI elastic Earth: A parameterization and crosstalk study
- 2:30 -- 3:00 **Elias Arias**  
Holographic computing in geophysics

**3:00 -- 3:30 Refreshment Break, Centennial Foyer**

- 3:30 -- 4:00 **Yuting Duan\*** and Paul Sava  
3D angle decomposition for elastic reverse time migration
- 4:00 -- 4:30 **Jon Claerbout (Stanford University)**  
Invitation to Futterman inversion

**6:00 -- 8:00 Dinner - Hosted by CWP, Centennial Ballroom**

**—Agenda—**  
**2016 CWP Annual Project Review Meeting**

**Thursday, May 19, 2016**

**7:00 -- 8:00 Breakfast, Centennial Ballroom**

**Morning Session, Centennial Ballroom**

- 8:00 -- 8:45 **Roel Snieder\***, **Christoph Sens-Schönfelder (GeoForschungsZentrum)**, and **Renjie Wu**  
Variations and healing of the seismic velocity
- 8:45 -- 9:15 **Sonali Pattnaik\***, **Tariq Alkhalifah (KAUST)**, **Ilya Tsvankin**, and **Hui Wang**  
Full-waveform inversion with reflected waves for 2D VTI media
- 9:15 -- 9:45 **Thomas Planès\***, **Roel Snieder**, and **Satyan Singh**  
Model-based redatuming: An inverse filter approach

**9:45 -- 10:15 Refreshment Break, Centennial Foyer**

- 10:15 -- 10:45 **John Stockwell**  
OpenSeaSeis
- 10:45 -- 11:15 **Paul Sava**  
CWP Business Meeting