

Jackson School Presenters at the 2013 SEG Annual Meeting

For SEG schedule, see <http://tinyurl.com/mrflqw9> (schedule is not searchable)

Monday, September 23, 2013

E-POSTER SESSIONS

INT E-P1 -- Stratigraphy and Reservoirs

Room: E-Poster Station: 1, Room 342 D

3:10 PM: Chronostratigraphy at the seismic scale: Rethinking Vail et al.'s basic assumption -- Yawen He* and Hongliu Zeng, U of Texas at Austin (INT E-P1.6)

POSTER SESSIONS

RP P1 -- Microstructure and Texture

Room: Level 3 Foyer

2:30 PM: Rock fabric characterization in a low resistivity pay zone from a Lower Cretaceous carbonate reservoir in the Middle East -- Ahmed Hassan* and Charles Kerans, U of Texas at Austin (RP P1.4)

ORAL SESSIONS

RC 1 -- Characterization of Unconventional Reservoirs

Room: General Assembly B

2:45 PM: Correlation between rock properties and spatial variations in seismic attributes for unconventional gas shales — A case study on the Haynesville Shale -- Meijuan Jiang* and Kyle Spikes, U of Texas at Austin (RC 1.4)

RC 1 -- Characterization of Unconventional Reservoirs

Room: General Assembly B

3:10 PM: Integrated reservoir characterization of an unconventional reservoir using 3D seismic and well log data: A case study of Balol field, India -- Sanjay Surya Yerramilli, Ramesh Chandra Yerramilli, Nimisha Vedanti, Mrinal K. Sen*, and R. P. Srivastava, CSIR-National Geophysical Research Institute (RC 1.5)

SPMI 1 -- Beam and Kirchhoff Migration

Room: General Assembly C

4:00 PM: Seismic diffraction imaging, one migration dip at a time -- Alexander Klovov* and Sergey Fomel, U of Texas at Austin (SPMI 1.7)

SPMI 1 -- Beam and Kirchhoff Migration

Room: General Assembly C

4:25 PM: Wave-equation time migration -- Sergey Fomel, U of Texas at Austin (SPMI 1.8)

Tuesday, September 24, 2013

POSTER SESSIONS

SPMI P2 -- Diffraction Imaging and Fracture Detection

Room: Level 3 Foyer

9:40 AM: Comparison of seismic diffraction imaging techniques: Plane wave destruction versus apex destruction -- Luke Decker , Alexander Klokov, and Sergey Fomel, U of Texas at Austin (SPMI P2.2)

INT P1 -- Reservoirs and Structures

Room: Level 3 Foyer

1:50 PM: Influence of tectonic geomorphology on sedimentary geomorphology: Applied to prediction of ultrathin sandstones -- Hongliu Zeng*, Bureau of Economic Geology, Jackson School of Geosciences, U of Texas at Austin; Ligui Xu and Guizhong Wang, BGP, CNPC; Xiugang Pu, Dagang Oilfield Company (INT P1.2)

ORAL SESSIONS

BG 2 -- Advances in Borehole Measurements and Interpretation

Room: 310 AD

9:45 AM: Detection and quantification of 3D hydraulic fractures with multi-component low-frequency borehole resistivity measurements -- Kai Yang*, Emin Celik, Carlos Torres-Verdín, and Ali E. Yilmaz, U of Texas at Austin (BG 2.4)

INT 3 -- Attributes and New Developments

Room: 351 ABDE

4:00 PM: Shingled reservoirs without a shingled reflection pattern: Origin and recognition -- Hongliu Zeng*, Bureau of Economic Geology, Jackson School of Geosciences, U of Texas at Austin (INT 3.7)

Wednesday, September 25, 2013

E-POSTER SESSIONS

INT E-P2 -- Attributes and Visualization

Room: E-Poster Station: 1, Room 342 D

9:40 AM: Computing volumetric-curvature attributes using predictive painting -- Parvaneh Karimi and Sergey Fomel, U of Texas at Austin (INT E-P2.2)

INT E-P2 -- Attributes and Visualization

Room: E-Poster Station: 1, Room 342 D

10:40 AM: Predictive coherency -- Parvaneh Karimi* and Sergey Fomel, U of Texas at Austin (INT E-P2.5)

POSTER SESSIONS

BG P1 -- Acquisition and Interpretation of Borehole Measurements

Room: Level 3 Foyer

1:30 PM: Electrical versus hydraulic rock types in clastic reservoirs: Pore-scale understanding verified with field observations in the Gulf of Mexico, U.S. -- Chicheng Xu*, Carlos Torres-Verdín, and Shuang Gao, U of Texas at Austin (BG P1.1)

ORAL SESSIONS

RC 4 -- Rock Physics-Based Characterization

Room: General Assembly B

9:45 AM: Joint rock physics inversion of well log and 3D VSP data to model CO₂ saturation and porosity at Cranfield field, Cranfield, MS -- Russell W. Carter* and Kyle T. Spikes, Jackson School of Geoscience, U of Texas at Austin (RC 4.4)

RC 5 -- General and Advanced Technology Applications

Room: General Assembly B

3:10 PM: Quantitative estimation of fracture parameters after removing anisotropic overburden effect -- Mohammed Alhussain* and Mrinal K. Sen (RC 5.5)

ACQ 3 -- Blending and Deblending

Room: General Assembly A

4:25 PM: Iterative deblending of simultaneous-source seismic data using shaping regularization -- Yangkang Chen*, Sergey Fomel, and Jingwei Hu, U of Texas at Austin (ACQ 3.8)

Thursday, September 26, 2013

E-POSTER SESSIONS

SPNA E-P2 -- Filtering

Room: E-Poster Station: 1, Room 342 D

9:20 AM: Random noise attenuation by f-x empirical mode decomposition predictive filtering -- Yangkang Chen, U of Texas at Austin; Jitao Ma, China U of Petroleum--Beijing (SPNA E-P2.1)

FWI E-P1 -- Development and Applications

Room: E-Poster Station: 4, Room 342 A

11:40: AM Wave-equation migration velocity analysis by non-stationary focusing -- Siwei Li*, U of Texas at Austin (FWI E-P1.8)

ORAL SESSIONS

ANI 1 -- Fractures, Shale, Well-Log Integration, and Case Studies

Room: 352 DEF

8:30 AM: Measurements of anisotropy parameters with variable frequency and stress in synthetic fractured media -- Mehdi E. Far, Bureau of Economic Geology, U of Texas at Austin; J. J. S. Figueiredo, CEP/UNICAMP, UFPA/INCT-GP; Robert R. Stewart and Nikolay Dyaur, U of Houston (ANI 1.1)

SVE 3 -- Tomography and More

Room: 351 CF

8:55 AM: A fast algorithm for 3D azimuthally anisotropic velocity scan -- Jingwei Hu* and Sergey Fomel, U of Texas at Austin; Lexing Ying, Stanford U (SVE 3.2)

SVE 3 -- Tomography and More

Room: 351 CF

9:20 AM: A robust approach to time-to-depth conversion in the presence of lateral-velocity variations -- Siwei Li* and Sergey Fomel, U of Texas at Austin (SVE 3.3)

SI 3 -- Case Studies

Room: 330 AB

9:20 AM: Inversion of elastic properties of fractured rocks from AVOAz data— Marcellus Shale example -- Mehdi E. Far*, Bob Hardage, and Don Wagner, Bureau of Economic Geology, U of Texas at Austin (SI 3.3)

RP 5 -- Carbonate Models and Measurements

Room: 350 DEF

10:35 AM: Fracture compliance measurements in synthetic fractured media -- Mehdi E. Far, Bureau of Economic Geology, U of Texas at Austin; J. J. S. Figueiredo, CEP/UNICAMP, UFPA/INCT-GP; Robert R. Stewart and Nikolay Dyaur, U of Houston (RP 5.6)

SPMI 6 -- Advanced Migration Algorithms

Room: General Assembly C

10:35 AM: Low-rank one-step wave extrapolation -- Junzhe Sun and Sergey Fomel, U of Texas at Austin (SPMI 6.6)

Friday, September 27, 2013

SEG Houston Post-convention Workshop

“Are we able to detect and characterize fractures?”

W-15: George R. Brown Convention Center, Room 352 DEF

Organizers: Ali Tura (ConocoPhillips), Colin Sayers (Schlumberger), Jim Gaiser (CGG)

8:30am Introduction to workshop

Geological and Engineering Overview of fractured media

8:40am Steve Laubach, UT Austin. The geology of natural fractures