



AGU 2017

EARTHSCOPE-RELATED
PRESENTATIONS

*Explore the variety of research fueled by
EarthScope data*

Join us for the EarthScope Town Hall Meeting
Wednesday, 12:30 - 13:30
New Orleans Ernest N. Morial Convention Center - 225-227
[TH33D EarthScope Science and Synthesis](#)

TUESDAY, 12 DECEMBER 2017

POSTERS

08:00 - 12:20 | Poster Hall D-F

[S21C-0733 Backprojection of tropical cyclones in the Atlantic](#)

Annie Valovcin and Toshiro Tanimoto, University of California Santa Barbara

[T21B-0563 Rayleigh and Love Wave Phase Velocities in the Northern Gulf Coast of the United States](#)

Yao Yao and Aibing Li, University of Houston

[T21B-0564 Geophysical Data Define Boundaries and Sub-Regions of the Northern Gulf of Mexico Basin: Structural Histories and Causes are Hypothesized.](#)

Gary L Kinsland, University of Louisiana at Lafayette

[A21F-2220 TLALOCNet continuous GPS-Met Array in Mexico supporting the 2017 NAM GPS Hydrometeorological Network.](#)

Enrique Cabral-Cano, Universidad Nacional Autónoma de México; Luis Salazar-Tlaczani, Universidad Nacional Autónoma de México; David K Adams, Universidad Nacional Autónoma de México; Enrique R Vivoni, Arizona State University; Michel Grutter, Universidad Nacional Autónoma de México; Yolande L Serra, University of Washington; Charles DeMets, University of Wisconsin Madison; John Galetzka, Karl Feaux, Glen S Mattioli, and M Meghan Miller, UNAVCO

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[T21A-0541 Frictional strengths of fault gouge from a creeping segment of the Bartlett Springs Fault, northern California](#)

Jerlyn L Swiatlowski, University of California Riverside; Diane E Moore and David A Lockner, U.S. Geological Survey, Earthquake Science Center

13:40 - 18:00 | Poster Hall D-F

[DI23A-0403 Lithospheric Layering beneath the Contiguous United States Constrained by S-to-P Receiver Functions](#)

Lin Liu, Kelly Hong Liu, Fansheng Kong, and Stephen S Gao, Missouri University of Science and Technology

[SA23A-2541 Subgrid geoelectric field specification for GIC modeling](#)

Mark Butala¹, Matthew Grawe, University of Illinois at Urbana Champaign; Farzad Kamalabadi and Jonathan J Makela, University of Illinois

[SA23A-2542 Mapping Earth's electromagnetic dimensionality](#)

Jeffrey J Love, USGS Central Region Offices Denver; Anna Kelbert, Geologic Hazards Science Center Denver and Paul Bedrosian, USGS

[SA23A-2546 Geoelectric field estimation and power-line integration using a 3D electrical conductivity model of the United States](#)

Anna Kelbert, USGS Central Region Offices Denver; Christopher C Balch, NOAA Boulder; Greg Lucas, USGS Geologic Hazards Science Center; Erin Joshua Rigler, USGS

[S23A-0774 Accessing the uncertainties of seismic velocity and anisotropy structure of Northern Great Plains using a transdimensional Bayesian approach](#)

Chao Gao, University of Maryland College Park and Vedran Lekic, University of Maryland

[S23B-0802 Towards a Systematic Search for Triggered Seismic Events in the USA](#)

Vivian Tang, Kevin Chao, and Suzan Van der Lee, Northwestern University

[S23C-0826 Seismicity in Oklahoma Before Prague](#)

Andrew A Delorey and Paul A Johnson, Los Alamos National Laboratory

[T23F-0682 PBO Borehole Strainmeters: 2017 Episodic Tremor and Slip Event for Southern Vancouver Island, BC, Canada through Olympia, WA, USA](#)

Elizabeth J Van Boskirk, Kathleen Marian Hodgkinson, Michael H Gottlieb, Wade Johnson, David B Henderson, David Mencin and Glen S Mattioli, UNAVCO

[G23A-0879 Exploring cloud and big data components for SAR archiving and analysis](#)

Scott Baker, Christopher J Crosby, Charles Meertens and David Phillips, UNAVCO

PRESENTATIONS

Tuesday, 09:00 - 09:15 | Location: 215-216

[T21D-05 Tomotectonic constraints on deformation of Cordilleran North America since Late Jurassic \(Invited\)](#)

Mitchell G Mihalynuk, British Columbia Geological Survey; Karin Sigloch, University of Oxford

Tuesday, 10:20 - 10:35 | Location: 203-205

[DI22A-01 Rifting the continental lithosphere: case studies of the lithosphere-asthenosphere system in rifted settings across the western U.S. and in the southern East African Rift \(Invited\)](#)

Emily Hopper, James B Gaherty, and Donna J Shillington, Columbia University of New York

Tuesday, 10:35 - 10:50 | Location: 252-254

[SA22A-02 Induction Hazard Assessment: The Variability of Geoelectric Responses During Geomagnetic Storms Within Common Hazard Zones](#)

Stephen W. Cuttler, Colorado School of Mines; Jeffrey J Love, USGS Geologic Hazards Science Center; and Andrei Swidinsky, Colorado School of Mines

Tuesday, 13:40 - 13:55 | Location: 220-221

[S23E-01 One to Large N Gradiometry \(Invited\)](#)

Charles A Langston, University of Memphis

Tuesday, 14:40 - 14:55 | Location: 210

[T23G-05 Investigation of the lithosphere of the Texas Gulf Coast using phase-specific Ps receiver functions produced by wavefield iterative deconvolution](#)

Harold Gurrola, Andrew Berdine, Texas Tech University and Jay Pulliam, Baylor University

Tuesday, 14:40 - 14:55 | Location: 211-213

[V24D-01 Seismic perspectives from the western U.S. on the evolution of magma reservoirs underlying major silicic eruptions \(Invited\)](#)

Brandon Schmandt, University of New Mexico Main Campus; Hsin-Hua Huang, Academia Sinica; Jamie Farrell, Univ Utah-Geology & Geophysics; Steve M Hansen, CIRES; Chengxin Jiang, Macquarie University