



AGU 2017

EARTHSCOPE-RELATED
PRESENTATIONS

*Explore the variety of research fueled by
EarthScope data*

FRIDAY, 15 DECEMBER 2017

POSTERS

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

[G51B-0751 Seasonal and Surface Hydrologic Loading Signals at GPS Stations Processed by the GAGE Facility](#)

Christine Maria Puskas, Charles M Meertens, and David Phillips, UNAVCO

[DI51C-0321 Hunting Mid-Mantle Scatterers Beneath South America](#)

Luis Velez and Elizabeth Vanacore, Universidad de Puerto Rico

[DI51C-0322 Mapping the influence of the deep Nazca slab on the geometry of the 660-km discontinuity beneath stable South America](#)

Marcelo Belentani de Bianchi, Marcelo Assumpcao, IAG Institute of Astronomy, Geophysics and Atmospheric Sciences; and Jordi Julià, UFRN Federal University of Rio Grande do Norte

[DI51C-0332 Upper mantle low velocity heterogeneities beneath NE China revealed by source- and receiver-side converted waves](#)

Zhe Guan and Fenglin Niu, Rice University

[G51B-0749 Long-Period Signals Observed in the Plate Boundary Observatory Borehole Strainmeters](#)

Zhou Lu, University of Science and Technology of China; Lianxing Wen, University of Science and Technology of China, Stony Brook University

[IN51A-0002 Development of the AuScope Australian Earth Observing System](#)

Tim Rawling, Parkville, VIC, Australia

[SA51A-2377 Using GPS TEC measurements to probe ionospheric spatial spectra at mid-latitudes](#)

Erin H Lay, Peter A Parker, Max E Light, Los Alamos National Laboratory; Charles Salvatore Carrano, Boston College; Shantanab Debchoudhury, Virginia Polytechnic Institute and State University; Robert A Haaser, Los Alamos National Laboratory

[S51D-0621 Double-Difference Global Adjoint Tomography](#)

Ridvan Orsvuran, University of Cote d'Azur; Ebru Bozdogan, Colorado School of Mines; Wenjie Lei, Princeton University; and Jeroen Tromp, Princeton University

[S51D-0642 Multi-mode phase speed measurements with array-based analysis: Application to the North American continent](#)

Hitoshi Matsuzawa and Kazunori Yoshizawa, Hokkaido University

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

[PP53A-1112 Synchronizing Greenland ice-core records and the Meerfelder maar sediment record via the global cosmogenic radionuclide signature and insights on climate around 11.230 years BP](#)

Florian Mekhaldi, Lund University; Markus Czymzik, Lund University; Achim Brauer, GFZ German Research Centre for Geosciences; Celia Martin-Puertas, Royal Holloway University of London; Ala Aldahan, United Arab Emirates University, Göran Possnert, Uppsala University; Raimund Muscheler, Lund University

[S53B-0667 Short-Period Surface Wave Based Seismic Event Relocation](#)

Austin White-Gaynor, Pennsylvania State University Main Campus; Michael Cleveland, Los Alamos National Laboratory; Andrew Nyblade, Jonas A. Kintner, Kyle Homman and Charles J Ammon, Pennsylvania State University

PRESENTATIONS

Friday, 08:45 - 09:00 | Location: 203-205

[DI51D-04 Crust and Mantle Deformation Revealed from High-Resolution Radially Anisotropic Velocity Models](#)

Aibing Li, Riddhi Dave and Yao Yao, University of Houston

Friday, 15:10 - 15:25 | Location: 211-213

[T53B-07 One billion year-old Mid-continent Rift leaves virtually no clues in the mantle](#)

Andrew W Frederiksen, University of Manitoba; Trevor A Bollmann, Chevron Corporation Covington; Suzan van der Lee, Northwestern University; Emily Wolin, Northwestern University; Justin Revenaugh, University of Minnesota; Douglas Wiens, Washington University in St Louis; Fiona Ann Darbyshire, University of Quebec at Montreal UQAM; Ghassan I Aleqabi, Washington University in St Louis; Michael Edward Wyssession, Washington Univ; Seth Stein, Northwestern University; Donna M Jurdy, Northwestern University

Friday, 16:30 - 16:45 | Location: 208-209

[V54A-03 Intraplate mafic magmatism: New insights from Africa and N. America \(Invited\)](#)

Cynthia J Ebinger, Tulane University of Louisiana; **Suzan van der Lee**, Northwestern University; **Gabrielle Tepp**, Alaska Volcano Observatory Anchorage; and **Sidney Pierre**, New Orleans Center for Science and Math High School

Friday, 16:45 - 17:00 | Location: 222

[S54B-04 Lg Attenuation Anisotropy Across the Western US](#)

W. Scott Phillips, Charlotte A Rowe, Richard J Stead, and Michael L Begnaud, Los Alamos National Laboratory

Friday, 17:00 - 17:15 | Location: 210

[T54A-05 Stress concentration on Intraplate Seismicity: Numerical Modeling of Slab-released Fluids in the New Madrid Seismic Zone](#)

Arushi Saxena, Eunseo Choi and Christine Ann Powell, University of Memphis

Friday, 17:45 - 18:00 | Location: 210

[T54A-08 Lithospheric buckling and far-foreland deformation during the Laramide and Appalachian orogenies \(Invited\)](#)

Basil Tikoff, University of Wisconsin and Christine S Siddoway, Colorado College