



Wednesday, March 14

Check into hotel

After
3:00 pm

Holiday Inn - Orangeburg
329 Route 303,
Orangeburg, New York, 10962

8:00 pm

Attendees will carpool to dinner from the hotel (meet in the hotel lobby at 7:30 pm)

Dinner at **Mountain House Pizza**
330 Route 340, Sparkill, NY, 10976

Thursday, March 15

Seminar Room, 1st floor of Comer Geochemistry Building

8:00 am

Carpool from **Holiday Inn** to LDEO and check in

8:30 am

Opening Remarks

Session 1: Mantle Studies

9:00 am

High-Resolution Body Wave Tomography of the
Ross Sea Embayment, Antarctica

Austin
White-Gaynor

Penn State

9:30 am

Constraining the Mechanism of D'' Anisotropy:
Diversity of Observation Types Required

Neala Creasy

Yale

10:00 am

Coffee and introductions

Session 2: Imaging California

11:30 pm

A receiver function study to investigate crust and
lithosphere beneath Southern California using
Wavefield Iterative Deconvolution

Ailiyasi
Ainiwaer

Texas
Tech

12:00 pm	Basin, Fault Zones, and Adjacent Mountain Ranges: Seismic Velocity Structure of the Coachella Valley, Southern California	Rasheed Ajala	Louisiana State
12:30 pm	Lunch		
<i>Session 3: Shallow Imaging</i>			
1:30 pm	Evidence for Terrane Accretion, Localized Rifting and Magmatism from the Crustal Velocity Structure of the Southeastern United States	Rachel Marzen	LDEO
2:00 pm	Tomographic evidence for reduced crustal seismic velocity in the Nemaha Fault Zone, Oklahoma, USA: an argument for fracture-enhanced permeability in a relatively aseismic structural uplift	Nathan Stevens	Cornell
2:30 pm	Multiscale Seismic Simulation in Fractured media and Compliance Estimation of proppant-filled Fractures	Edith Sotelo	Texas A&M
3:00 pm	Poster Session I		
<i>Session 5: Subduction</i>			
5:15 pm	Multiscale Imaging of the Alaskan Subduction Zone	Robert Martin-Short	UC Berkeley
5:45 pm	Corrugated megathrust revealed offshore Costa Rica	Joel Edwards	UC Santa Cruz
6:15 pm	Imaging the Subducting Juan de Fuca slab beneath Mount St. Helens	Michael Mann	Cornell
6:45 pm	Leave for dinner at Zapata Mexican Restaurant 779 Route 340, Palisades, NY, 10964		
After dinner attendees will carpool to the			
Holiday Inn - Orangeburg 329 Route 303, Orangeburg, New York, 10962			

Friday, March 16

Seminar Room, 1st floor of Comer Geochemistry Building

8:30 am	Carpool from Holiday Inn to LDEO		
<i>Session 6: Earthquake Physics</i>			
9:00 am	Exploring the relation between backprojection images and earthquake source processes	Jiuxun Yin	Harvard
9:30 am	Stress drop variability of intermediate-depth earthquakes in Japan	Shanna Chu	Stanford
10:00 am	Spatial distribution of Site Response and Building Damage in Mexico City resulting from the Puebla Earthquake 2017	Marshall Pontrelli	Tufts
10:30 am	Poster Session II		
12:30 pm	Lunch		
<i>Session 7: Ambient noise</i>			
1:30 pm	Rayleigh-wave source kernels of multicomponent crosscorrelations from traveltimes and waveform adjoints	Zongbo Xu	Boise State
2:00 pm	Tracking Groundwater Levels using the Ambient Seismic Field	Tim Clements	Harvard
2:30 pm	Shear wave structure of Mount St. Helens, WA region from ambient noise, earthquake surface waves and receiver functions	Kayla Crosbie	Cornell
3:00 pm	Coffee Break		
<i>Session 8: Long Period Seismicity</i>			
3:30 pm	Detecting slow earthquakes in Marianas subduction zone using OBS data	Amanda Price	Washington University
4:00 pm	Large geophone array studies of volcano seismicity at Mount St. Helens: volcanic-tectonic, low-frequency, and surface signals	Margaret Glasgow	University of New Mexico
4:30 pm	Poster Session III		
6:30 pm	Career Panel		
7:30 pm	Concluding Remarks		
7:45 pm	Dinner in Comer		

Poster Session I - Thursday 3 pm

Rhiannon Viece - Using Cross-Correlation Methods to Characterize Earthquakes Associated with the Socorro Magma Body

Junlin Hua - The lithosphere-asthenosphere boundary beneath the North Anatolian Fault

Kyle Homman - Crustal Structure across the Appalachian Basin

Cate Bressers - Upper mantle structure beneath the northern part of the East African Plateau using data from the NE Uganda temporary seismic network

Kelly Olsen - Development of a Shallow Decollement Along the South-Central Chile Margin from 2D Seismic Reflection Data

Wenpei Miao - Shallow structure S wave velocity model beneath the Gulf of Mexico passive margin by joint inversion of Rayleigh wave ellipticity and phase velocity

Alex Burky - Unraveling the Origin of the Bermuda Rise Using Receiver Functions: Insights from Mantle Discontinuity Structure

Zhenxin Xie - Crustal anisotropy beneath Northeastern margin of Tibet Plateau and its geodynamic implications

Yiran Li - Seismic Anisotropy Beneath Eastern North America: Results from Multi-Event Inversion

Eric Goldfarb - A New Method to Supplement Seismic Inversion Tomography; Computed Tomography Scanning of Drill Cuttings to Estimate Elastic Properties

Poster Session II - Friday 10:30 am

Mariah Hoskins - The role of structural heterogeneity and slip modes on the seismic swarm in the Esmeraldas, Ecuador

Caroline Seyler - Rupture to the trench? Frictional properties of incoming sediments at the Cascadia subduction zone

Brian Dye - Identifying Strombolian Eruptions in Seismic and Infrared Images through Cross-Correlation of Seismic and Image Luminosity on Mt Erebus, Antarctica

Brennan Brunsvik - Evaluation of the causes of L'Aquila earthquake interaction and patterns

Thomas W. Luckie - Validation of 3-component PASSCAL Texan data by direct comparison to collocated 3-component instrument (RT-130) data

James Benco - Possible Hydroseismic Triggering for Small Earthquakes Occurring within the Fox River Valley, Northeastern Illinois

Geovanni Martínez-Mendoza - Seismic amplifications in the Valle of Mexico using spectral ratios of teleseismic surface waves recorded with broadband stations.

Chenhao Yang - Significant effects of shallow seismic properties on Rayleigh phase velocities up to 25 s

Nawa Dahal - Determination of Depths of Small Magnitude Local and Regional Earthquakes Recorded by a Sparse Seismic Network

Austin Pierce - Seismic Study of Sediment Transport on the Irrawaddy River

Poster Session III - Friday 3:30 pm

Bar Oryan - An examination of upper plate aftershocks of the Tohoku-oki earthquake: Are they caused by a long-term change in the dip of the subducting plate?

Bing He - Deriving coseismic slip from the interseismic locking distribution in Nicoya Peninsula, Costa Rica

Carlos Herrera - Comprehensive comparison of ground motion prediction models for Chile and Canada with recent Chilean megathrust earthquakes

Fei Deng - Local earthquake tomography of Tengchong volcanic area

Isabella Gama Dantas - Bayesian inversion for upper mantle structure using surface waves and scattered body waves in Alaska

Sharif Morshed - Mathematical modeling of zero frequency seismic velocities of anisotropic cracked rock

Urbi Basu - Pn tomography and anisotropy study of the central United States

Xiaoran Chen - Looking for the Edge: Does Lateral Change in Azimuthal Anisotropy Mark the Limit of the North American Craton?

Yasemin Korkusuz Öztürk - Preliminary Results from 3D Dynamic Earthquake Fracture Simulations in the Sea of Marmara

Zeynep Coşkun - Moment Tensor Inversion of Earthquakes in the Sea of Marmara and Surroundings: Restraining Bend between the Ganos Fault and the Main Marmara Fault