



Sunday, March 12

Check into hotel

After
3:00 pm

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

Attendees will carpool to dinner from the hotel (meet in the hotel lobby at 7:00 pm)

7:30 pm

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

Monday, March 13

Seminar Room, 1st floor of Comer Geochemistry Building

8:00 am

Carpool from **Holiday Inn** to LDEO

8:30 am

Check in

9:00 am

Opening Remarks

Session I: Imaging Across Depths

9:30 am

Constraints on radial and azimuthal anisotropy in the central Pacific upper mantle from the NoMelt OBS array

Josh Russell

LDEO

10:00 am

Inner core boundary topography explored with reflected and diffracted P waves

Susini de
Silva

University of
Connecticut

10:30 am

Discussion Session

11:30 am

Coffee and snacks

12:00 pm

Special talk - Planetary seismology

Philippe
Longnonne

Institut de Physique
du Globe de Paris

1:00 pm	Lunch		
<i>Session II: Non-traditional Seismology</i>			
2:00 pm	Recent glacial earthquakes in Greenland	Kira Olsen	LDEO
2:30 pm	Simulation of porosity waves formation in ductile shale layers in improved shale oil recovery by CO2 huff-n-puff	Ekaterina Bolotskaya	MIT
3:00 pm	Listening to drought with the ambient seismic field	Tim Clements	Harvard University
3:30 pm	Poster Session I		
<i>Session III: Receiver Functions</i>			
5:00 pm	3D passive-source reverse time migration imaging of the mantle transition zone in the Yellowstone region	Jiahang Li	University of Rhode Island
5:30 pm	Imaging the lithosphere-asthenosphere boundary beneath South Island of New Zealand by Sp receiver function	Junlin Hua	Brown University
6:00 pm	Discussion Session - Career and Professional Development		
7:00 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		

Tuesday, March 14

Seminar Room, 1st floor of Comer Geochemistry Building

8:30 am	Carpool from Holiday Inn to LDEO		
<i>Session IV: Regional Tomographic Imaging</i>			
9:00 am	Vp-Vs relationships in the continental United States from a joint inversion of body waves and surface waves	Eva Golos	MIT
9:30 am	Seismic structure of the crust and upper mantle of western Tibet from Rayleigh wave dispersion, receiver functions, and virtual deep seismic sounding	Harry Matchette-Downes	MIT
10:00 am	Lithospheric structure beneath western and eastern United States	Chengping Chai	Penn State University
10:30 am	Pop up Talks - Research Methods		

Session V: Earthquakes I - Rifting

11:30 am	Pre-eruptive signals at Axial Seamount	Yen Joe Tan	LDEO
12:00 pm	Comparison of magmatic and amagmatic rift zone kinematics using full moment tensor inversions of regional earthquakes	Sarah Jaye Oliva	Tulane University
12:30 pm	Lunch		

Session VI: Earthquakes II - Lab to Life

1:30 pm	Velocity structure of the Alpine Fault, New Zealand: The effects of mechanical deformation and clay content	Tamara Jeppson	University of Wisconsin
2:00 pm	Biomarker thermal maturity at seismic timescales in high-velocity rotary shear experiments	Hannah Rabinowitz	LDEO
2:30 pm	Coffee		

Session VII: Earthquakes III - Subduction

3:00 pm	Earthquake simulation using discrete element method: a window into elusive subduction zone processes	David Blank	Rice University
3:30 pm	High-resolution microseismic detection and location with large-N arrays	Zefeng Li	Georgia Institute of Technology
4:00 pm	Poster Session II		
5:30 pm	Concluding Remarks		
6:00 pm	Dinner in Comer		

Seismology student workshop 2017 poster sessions

Session I - Monday 3:30 pm

Xiaoran Chen: Detailed study of seismic anisotropy in the upper mantle of eastern North America

Jordyn Cloud: Long-period Rayleigh wave phase velocity tomography using USArray

Genevieve Coffey: Along-strike fault complexity as demonstrated along the Muddy Mountain thrust, Nevada

Neala Creasy: Forward modeling of shear wave splitting beneath Australia in the lowermost mantle

Alan Juarez: Construction of coherent Fréchet kernels for full-3D tomography

Cong Li: Resolving crust structure beneath the northeastern United States using Ps receiver function analysis

Maeva Pourpoint: High resolution shear-wave velocity structure of Greenland from earthquake and ambient noise surface wave tomography

David Soto: P and S body wave tomography of the west Antarctic rift system: evidence for Cenozoic rifting?

Jiuxun Yin: 4D source analysis of the 2015 Illapel, Chile Mw 8.3 Earthquake

Session II - Tuesday 4:00 pm

Natalie Accardo: Constraints on the 3D sediment and crustal architecture of the weakly extended Malawi Rift from the onshore/offshore wide-angle refraction experiment

David Chas Bolton: An experimental investigation of Gutenberg-Richter statistics from acoustic emissions in simulated fault gouge

Celia Eddy: Radial and azimuthal anisotropy in the Pacific upper mantle from inversion of a surface-wave dispersion dataset

Ketzallina Flores: The long duration, April 18, 2002 (Mw 6.7), Mexico earthquake; a small tsunami earthquake next to the Guerrero Gap

Helen Janiszewski: Shoreline-crossing shear-velocity structure of the Juan de Fuca plate and Cascadia subduction zone from surface waves and receiver functions

Jonas Kintner: Relative earthquake locations using surface waves in continental regions

Rachel Marzen: Variations in crustal structure in the Southeastern United States from the SUGAR refraction seismic experiment

Estefania Ortiz: Deciphering Equatorial Pacific deep sea sediment transport regimes by core-log-seismic integration

Austin White-Gaynor: High-Resolution Body Wave Tomography of the Ross Sea Embayment, Antarctica