

Seminar Schedule

The BSL Seminar regularly takes place Tuesdays at 4:00pm in 220 McCone Hall. **For the duration of the "shelter in place" order, the seminar will take place via Zoom, and there will be a Zoom option for the rest of the 2020 Spring Semester.**

Spring 2020 Seminars

	Speaker	Affiliation	Title
January 21	Arthur Rodgers	LLNL	Toward Exascale Earthquake Ground Motion Simulations: Mw 7.0 Hayward Fault Ruptures
January 28	Heather Shaddock	UC Santa Cruz	Burst-type Repeating Earthquakes as a Proxy for Transient Aseismic Slip
February 4	Max Wyss	ICES International Centre for Earth Simulation Foundation	Estimating fatalities in earthquakes, and why probabilities of large earthquakes cannot be estimated based on the Gutenberg-Richter relation
February 11	Sue Hough	USGS, Pasadena	Earthquake Ground Motions and Building Damage: The Long and Short of It
February 18	Tarje Nissen-Meyer	Oxford University (visiting at Stanford)	Good Vibrations? Deciphering complex wavefields for deep Earth, shallow planets, explosions and elephants
February 25	Vashan D. Wright	LSU (BSL visitor)	Neotectonics and Aging Sands: A Jamaican Story
March 3	Federico Munch	BSL postdoc	Determining Earth's mantle thermo-chemical structure from joint analysis of seismic and electromagnetic sounding data
March 10	Seminar canceled		
March 17	Yann Klinger	BSL/IPGP	The Dead Sea fault, a strike-slip fault model
	(Presented remotely via Zoom.)		
March 24	Spring Recess - no seminar		
March 31	Avinash Nayak (presented via Zoom only)	LBNL	Joint inversion of body-wave travel times and surface-wave dispersion in Central California and identification of higher mode Rayleigh waves (Video Recording) (https://drive.google.com/file/d/16FP1oDBK2mkFSkFTleMjgTRn6o6oVBOG/view)
April 7	Luca Dal Zilio	Caltech	Building of the Himalaya Across Scales: From Tectonics to Earthquakes (Video Recording) (https://drive.google.com/a/berkeley.edu/file/d/1Ppy7mDHakYsXOYniUDGReeoCh6_vak_W/view?usp=sharing)
April 14	Yen Joe Tan	Stanford	Axial Seamount as a unique laboratory to study how stress changes affect earthquake occurrence

April 21	Johanna M. Nevitt	USGS, Moffett Field	Mechanical controls on fault slip and deformation at Earth's surface during the 2014 M6.0 South Napa earthquake
April 28	Eric Lindsey	Earth Observatory of Singapore	Unlocking the physics of earthquake hazards with geodesy: Megathrusts, mountains and Myanmar (Video Recording) (https://drive.google.com/a/berkeley.edu/file/d/1M8GgEYDs1RWrhYWhqKAcJFD6ipVNQL_c/view?usp=sharing)

Fall 2019 Seminars:

	Speaker	Affiliation	Title
September 3	Marco Bohnhoff	GFZ	Seismomechanical reservoir characterization and controlling induced seismicity: Recent examples from The Geysers/California and Helsinki/Finland geothermal projects
September 10	Robert Martin-Short	BSL	Multi-scale seismic imaging of the Alaskan subduction zone
September 17	Lauren Waszek	New Mexico State University	Thermochemical controls for the visibility of upper and mid-mantle discontinuities
September 24	Kathryn Materna	BSL	Seismic coupling on plate boundary faults at the Mendocino Triple Junction
October 1	Stuart Russell	Berkeley	Global seismic monitoring: A Bayesian approach
October 8	Chi-Yuen Wang	BSL	Earthquake effects on groundwater - studied with Earth tides
October 15	Men-Andrin Meier	Caltech	Harnessing the Power of Deep Learning Algorithms to Design the Next-Generation Seismic Monitoring System
October 22	Sylvain Barbot	USC	From the microphysics of faulting to subduction-zone dynamics: constitutive and structural controls on the seismic cycle
October 29	Amy Williamson	U Oregon	Coseismic or Landslide? The source of the 2018 Palu Tsunamis
November 5	Dan Frost	BSL	Dynamic history of the inner core constrained by seismic anisotropy
November 12	Camilla Emily Penney	Cambridge	The role of lateral rheology contrasts in the evolution of mountain ranges: insights from South East Tibet
November 19	Jeremy Maurer	JPL	Geodetic remote sensing constrains moment release from the 2017/2018 combined SSE and earthquakes near Guerrero, Mexico
November 26	THANKSGIVING - no seminar		
December 3	Jeff McGuire	USGS Menlo Park	Imaging the subducted Gorda plate from the deformation front to the ETS zone
December 10	AGU - no seminar		

December 17	Felipe Orellana	University of the Chinese Academy of Sciences	Thermo-chemical plume interactions with mantle viscosity layering and phase transformations: comparisons with seismic imaging
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Spring 2019 Seminars:

	Speaker	Affiliation	Title
January 29	Dr. Walter Mooney	USGS/Menlo Park	The Upper Mantle Beneath North America: A New View from USArray Data
February 5	Prof. William Frank	USC	Self Diagnostic low-frequency earthquakes and the slow slip that drives them
February 12	Prof. Michael Bostock	Univ. of British Columbia	Controls on Seismicity in Cascadia
February 19	Prof. Cliff Thurber	Univ. of Wisconsin	What lies beneath Laguna del Maule, Chile?
February 26	Camilla Cattania	Stanford U.	Crack models to explain seismic cycles at different scales: small repeating earthquakes and vertical strike slip faults
March 5	Dr. Arben Pitarka	LLNL	Ground Motion Simulations of the M7, 2016 Kumamoto, Japan Earthquake Using Physics Based Rupture Models
March 12	Prof. Philippe Lognonné	IPG Paris	SEIS on Mars: Development challenges and first observations Abstract (/gifs/SEISonMars_PL.pdf)
March 19	Prof. Ebru Bozdog	Colorado School of Mines	Imaging Earth's mantle with adjoint tomography: From measurements to interpretation
March 26	Spring Break		
April 2	Guang Zhai	BSL postdoc	Mechanical Modeling of Fluid-Rock Interactions: Volcano Deformation and Induced Seismicity
April 9	Felipe Gonzalez	EPS postdoc	Melting and stability of minerals at high pressure: consequences for Super-Earths and gas giants
April 16	Prof. Heather Ford	UC Riverside	Imaging the mantle structure of cratons: Implications for the formation and modification of the Wyoming lithosphere
April 23	Mark Jellinek	U. of British Columbia	Ice, fire or fizzle: The climate footprint of Earth's supercontinental cycles
Tuesday, April 30	Jill Banfield (Faculty Research Lecture) 4PM Sibley Auditorium Bechtel Engineering Center		Mysteries of the Invisible World of Microbes
May 7	Tushar Mittal	U.C Berkeley	Eruptive tempo and climatic impact of the Deccan Traps

[Previous Seminars \(pdf\) \(/docs/previousSeminarsThroughSpring2019.pdf\)](#)