Seminar Schedule

The BSL Seminar regularly takes place Tuesdays at 4:00pm (PST) unless otherwise noted. **Seminars will be hybrid with in-person people joining from the BSL Conference Room (220 McCone Hall) and many others joining virtually.** Please email Barbara Romanowicz (barbarar@berkeley.edu) to be added to the mailing list to receive the Zoom link.

Spring 2024 Seminars

	Name	Affiliation	Title
January 23	**Mengsu HU**	Lawrence Berkeley National Laboratory	Modeling chemo-mechanical effects on multiscale roughness
January 30	**No Seminar- USGS Hazards Workshop**		
February 6	**Rudy Wenk**	UC Berkeley	Seismic anisotropy of rocks: from serpentine to hydrous mantle phases
February 13	**Mark Richards**	UC Berkeley	Chasing Darwin’s Shadow: Geophysics and Evolution in the Galapagos
February 20	**Aaron Micallef**	Monterey Bay Aquarium Research Institute	A paradigm shift towards finer scale field measurements in seafloor geomorphology
February 27	**Max Rudolph**	UC Davis	Cracks and eruptions on icy moons
March 5	**Jeremy Rekier**	Obs. Royal de Belgique	Free oscillations in the Earth's liquid core, an overview
March 12	**Arben Pitarka**	Lawrence Livermore National Laboratory	Physics-based Ground Motion Modeling and Simulations in the San Francisco Bay Area using High Performance Computing
March 19	**Eric Dunham**	Stanford	Forensic seismic analysis and source modeling of the 2022 Nord Stream gas pipeline sabotage

March 26	**Spring Break**		
April 2	**Larry Hutchings**	Lawrence Berkeley National Laboratory	Rock Physics Applied to Interpreting Tomographic Images of Elastic Parameters for Geothermal Reservoir Identification and Characterization in the Philippines and Taiwan
April 9	**Robert Skoumal**	USGS Moffett Field	Improving focal mechanisms with machine learning
April 16	**Solene Antoine**	NASA Jet Propulsion Laboratory	Kilometer-wide shallow bulk plastic yielding around continental active faults, and its relation to the earthquake source and fault structure
April 23	**Betsy Madden**	San Jose State University	Contributions and challenges of fault and earthquake modeling in seismic hazard assessment

2023 Seminars (pdf) (/docs/BerkeleySeismoLabPreviousSchedule-2023.pdf)

Previous Seminars (pdf) (/docs/BerkeleySeismoLabPreviousSchedulePre-2022.pdf)

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Fall 2023 Seminars

	Name	Affiliation	Title
August 29	**Zach Ross**	Caltech	Insights on magma transport and the state of stress in the mantle sill complex beneath Pahala, Hawai‘i
September 5	**Sonia Tikoo**	Stanford	Origins of lunar magnetic records and implications for the Moon's dynamo history
September 12	**Joe Byrnes**	Northern Arizona University	Lithosphere-Asthenosphere Coupling and the Depth Extent of Anisotropy Beneath the Pacific Ocean
September 19	**Sin-Mei Wu**	Lawrence Berkeley National Laboratory	From Hydrothermal to Magmatic Systems: Probing the Subsurface with Dense Array Seismology
September 26	**Jenny Suckale**	Stanford	Why do persistently degassing volcanoes erupt? Preliminary insights from multi-scale, multi-physics modeling
October 3	**Wenyuan Fan**	UC San Diego	Very low frequency earthquakes in between the seismogenic and tremor zones in Cascadia
October 10	**Rodrigo Chi-Duran**	UC Berkeley	Waveforms, First Motions and SAR: Revealing North Korea's Nuclear Tests
October 17	**Gaspard Farge**	UC Santa Cruz	Sounds of the subduction plumbing system — How transient fluid circulation processes in the subduction shape patterns of seismic tremor
October 24	**John Vidale**	University of Southern California	Earth's inner core is noticeably both rotating and changing

October 31	**No Seminar- Happy Halloween!**		
November 7	**Alice Gabriel**	UC San Diego	Rupture Dynamics of Large, Multi-fault Earthquakes: Understanding the physics of the 2023 Kahramanmaraş, Turkey, earthquake doublet using early observations
November 14	**Magali Billen**	UC Davis	Linking long term deformation of sinking tectonic plates and earthquakes occurring in the deep mantle
November 21	**Marine Denolle**	University of Washington	Exploring the Synergy of Cloud Computing and Seismology
November 28	**Nori Nakata**	Lawrence Berkeley National Laboratory	Coupling effects of source-path-site for microseismicity characterization

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Spring 2023 Seminars

	Name	Affiliation	Title
January 17	**No Seminar**		
January 24	**Christina Morency**	Lawrence Livermore National Laboratory	Subsurface characterization based on seismic, electromagnetic and seismoelectric techniques https://youtu.be/StIKDf9oj0Q (https://youtu.be/StIKDf9oj0Q)
January 31	**No Seminar - NEHRP Meeting**		
February 7	**Dorian Soergel**	Berkeley Seismological Laboratory	Measuring azimuthal anisotropy in the Alps from ambient noise beamforming
February 14	**Peter Shearer**	Scripps Institution of Oceanography	Adventures in Measuring Variations in High-Frequency Radiation for Small to Moderate Earthquakes Link to video on BSL Internal webpage (https://seismo.berkeley.edu /internal /BSL_ONLY_Seminars.html)
February 21	**Kenichi Soga**	UC Berkeley	Distributed Sensing for Smart Infrastructure https://youtu.be/JnPVKu4RUuQ (https://youtu.be/JnPVKu4RUuQ)
February 28	**Fan-Chi Lin**	University of Utah	High-resolution crustal imaging using dense seismic arrays: geysers, volcanos, and seismic hazards

March 7	**Julia Correa**	Lawrence Berkeley National Laboratory	Autonomous and continuous seismic monitoring using distributed acoustic sensings (DAS) and surface orbital vibrators (SOV)
March 14	**Gareth Funning**	UC Riverside	Why you should consider studying the faults of northern California (if you aren't already!) https://youtu.be/IPr-fu8tRpo (https://youtu.be/IPr-fu8tRpo)
March 21	**Nathan Simmons**	Lawrence Livermore National Laboratory	The SPiRaL model and the next stage of global tomography at LLNL https://youtu.be/-XyUr6Ou8C0 (https://youtu.be/-XyUr6Ou8C0)
March 28	**No Seminar - Spring Break**		
April 4	**Josh Crozier**	United States Geological Survey	Earthquakes and magma resonance reveal the dynamics of a decade long eruption at Kīlauea Volcano< https://youtu.be/ju6wj_UnDuw (https://youtu.be/ju6wj_UnDuw)
April 11	**Max Schneider**	United States Geological Survey	Effective risk and uncertainty visualization for earthquake hazards Link to video on BSL Internal webpage (https://seismo.berkeley.edu /internal /BSL_ONLY_Seminars.html)
April 18	**No Seminar -SSA meeting**		
April 25	**Martin Karrenbach**	Monterey Bay Aquarium Research Institute	Long-Range Fine-Scale Distributed Acoustic Sensing - Challenges and Opportunities Link to video on BSL Internal webpage (https://seismo.berkeley.edu /internal /BSL_ONLY_Seminars.html)

Fall 2022 Seminars

	Name	Affiliation	Title
August 30	**Alicia J. Hotovec-Ellis**	USGS; California Volcano Observatory	Using earthquake-derived seismic velocity changes to monitor strain at volcanoes
September 6	**Yuankun Xu**	BSL	Remote sensing and hydromechanical characterization of landslides
September 13	**Daria Holdenried-Chernoff**	EPS	A statistical description of kinematic dynamos using field theory methods
September 20	**Alba Rodriguez Padilla**	UC Davis	The geologic fingerprint of multi-fault earthquakes in Southern California https://youtu.be/02sYuYsZfDY (https://youtu.be/02sYuYsZfDY)
September 27	**Eiichiro Araki** **(Presented remotely via Zoom)**	JAMSTEC	Very broadband low noise fiber optic sensing with seafloor cable off Muroto Nankai Trough, Japan. Development of sensing instruments and experiments Link to video on BSL Internal webpage
October 4	**Shujuan Mao**	Stanford	4D seismic interferometry: New constraints on groundwater monitoring and beyond https://youtu.be/UgIxUPgMnp4 (https://youtu.be/UgIxUPgMnp4)

October 11	**Kelian Dascher-Cousineau**	BSL	Earthquake Forecasting in a Data Rich Era https://youtu.be/66zU14wRdNI (https://youtu.be/66zU14wRdNI)
October 18	**So Ozawa**	Stanford	Mechanics of earthquakes on nonplanar faults https://youtu.be/_VZmCt6feC0 (https://youtu.be/_VZmCt6feC0)
October 25	**Chris Milliner** **(Presented remotely via Zoom)**	Caltech	Constraining the Frictional Strength and State of Stress Along Coseismic Fault Ruptures using 3D Geodetic Imaging Data https://youtu.be/AQ6kCWLZYD8 (https://youtu.be/AQ6kCWLZYD8)
November 1	**Ozgur Kozaci**	InfraTerra	Bi-modal behavior of the North Anatolian fault documented using paleoseismology, cosmogenic nuclide dating, dendroseismology and archeoseismology https://youtu.be/OIrp4fEOFQM (https://youtu.be/OIrp4fEOFQM)
November 8	**Sophie Coulson**	Los Alamos National Laboratory	Predicting and Observing Patterns of Modern Sea Level Change and Crustal Deformation https://youtu.be/wlce8vOnpSI (https://youtu.be/wlce8vOnpSI)

November 15	**Ahmed Ettaf Elbanna**	University of Illinois Urbana Champaign	Building the Earthquake Virtual Machine: Modeling sequences of earthquakes and aseismic slip in complex fault zones https://youtu.be/ZCWuQM1u-Ig (https://youtu.be/ZCWuQM1u-Ig)
November 22	**Johan (Yoshi) Gilchrist**	University of British Columbia	The collapse dynamics and terraced deposits of the largest explosive eruptions on Earth https://youtu.be/JsbOFdaWI_s (https://youtu.be/JsbOFdaWI_s)
November 29	**Andrea Chiang**	Lawrence Livermore National Laboratory	Regional Moment Tensor Inversion Using a Three-Dimensional Earth Model and its Application to the Western United States https://youtu.be/NlSyGyK6ePE (https://youtu.be/NlSyGyK6ePE)

Spring 2022 Seminars

	Name	Affiliation	Title
January 25	**Li-Wei Chen** **(Presented remotely via Zoom)**	UC Berkeley Exit Seminar	Accelerating full-waveform inversion at the global scale via source stacking followed by cross-correlations
February 1	**Nicolas Coltice** ****12 Noon PST** **(Presented remotely via Zoom)**	ENS, Paris	Tectonics is a hologram
February 8	**Wenbo Wu** **(Presented remotely via Zoom)**	WHO	Seismic ocean thermometry - challenges and opportunities
February 15	**Sujoy Mukhopadhyay**	UC Davis	There and back again: A Story of Earth's volatile accretion and evolution
February 22	**Max Rudolph**	UC Davis	Earth's mantle viscosity and the evolution of large-scale structure
March 1	**Heather Shaddox**	BSL	Seismic detection of oceanic internal gravity waves

March 8	**Julien Aubert** **** 12 Noon PST** **(Presented remotely via Zoom)**	PG Paris	Rapid geomagnetic variations - a new core message to decipher
March 15	**Neala Creasy**	LANL	Seismic Anisotropy from Crust to Core with 3D Forward Wave Simulations and Full Waveform Inversion
March 22	**No Seminar**		Spring Break
March 29	**Sarah Lambart**	Univ. of Utah	Melt2Mantle - New proxy to constrain the lithological makeup of the mantle
April 5	**Yifang Chen**	BSL	Volumetric interactions between major ruptures and fault zones illuminated by small earthquake properties
April 12	**Jin Zhang** ****12 Noon PDT****	Univ. of New Mexico	Toward quantitative understanding of the volatile storage and transport in the Earth's interior
April 19	**Rishav Mallick**	Caltech	Understanding lithosphere deformation by bridging timescales from earthquake sequences to geodynamics
April 26	**William Barnhart**	USGS-Moffet	Earth's Rapid and Permanent Deformation: The View From Low Earth Orbit
May 3	**Robert Bridges, Matt Lee, & Chris Sine**	California Resources Corporation	Active Source Seismic in the Upstream Energy Business

Fall 2021 Seminars

	Name	Affiliation	Title
August 31	**Ruijia Wang** **(Presented remotely via Zoom)**	University of New Mexico	Complexity and Simplicity of Injection-induced Earthquakes in the Raton Basin https://youtu.be/7ix3V9npLa4 (https://youtu.be/7ix3V9npLa4)
September 7	**Grzegorz Kwiatek** ****9:00 AM PDT**** **(Presented remotely via Zoom)**	GFZ Potsdam	Adaptive stimulation strategy, reservoir structure and stress conditions as key factors contributing to successful 2018 and 2020 hydraulic stimulations performed in a frame of St1 Deep Heat project in Helsinki, Finland https://youtu.be/s3_9U8VkICk (https://youtu.be/s3_9U8VkICk)
September 14	**Dennise Templeton** **(Presented remotely via Zoom)**	Lawrence Livermore National Laboratory	Recommended practices for managing induced seismicity associated with geologic carbon storage https://youtu.be/1DeJ-g1ZguQ (https://youtu.be/1DeJ-g1ZguQ)
September 21	**Curtis Baden**	Stanford University	Bridging Earthquakes and Mountain Building in the Santa Cruz Mountains, CA https://youtu.be/UAxodXQKyRw (https://youtu.be/UAxodXQKyRw)

September 28	**Masayuki Kano** ****4:30 PDT** (Presented remotely via Zoom)**	Tohoku University	Spatial slip behavior for short-term slow slip events and relation to megathrusts along the Nankai subduction zone Link to video on BSL Internal webpage
October 5	**Daniel Blatter**	UCSD	Constraining melt and volatiles at the lithosphere-asthenosphere boundary with efficient Bayesian sampling based on regularized inversion https://youtu.be/-5CNUK0RA04 (https://youtu.be/-5CNUK0RA04)
October 12	**Javier Fullea** **(Presented remotely via Zoom)**	Universidad Complutense de Madrid, Spain Dublin Institute of Advanced Studies	Upper mantle thermochemical heterogeneity from coupled geophysical–petrological inversion of terrestrial and satellite data https://youtu.be/CFp-d8EVDJw (https://youtu.be/CFp-d8EVDJw)
October 19	**Annemarie Baltay-Sundstrom**	USGS	Unraveling Earthquake Physics and Attenuation from Observed Ground Motions in California
October 26	**Junle Jiang** **(Presented remotely via Zoom)**	University of Oklahoma	Exploring connections between microseismicity, aseismic slip, and large earthquakes in Southern California https://youtu.be/evRZZnP1ykw (https://youtu.be/evRZZnP1ykw)
November 2	**No Seminar**		

November 9	**Valère Lambert**	UCSC	Absolute stress levels on mature faults: Bridging insight from the lab and field through physics-based modeling Link to video on BSL Internal webpage
November 16	**No Seminar**		
November 23	**Heather DeShon**	Southern Methodist University	Insights and conundrums stemming from induced earthquakes in Texas https://youtu.be/GF57_VLoLkM (https://youtu.be/GF57_VLoLkM)
November 30	**Luca Malagnini**	INGV Rome	Fluctuations of Crustal Permeability Inferred From Seismic Attenuation: Impacts on a Multi-Mainshock Sequence

Spring 2021 Seminars

	Name	Affiliation	Title
January 26	**No Seminar - ShakeAlert meeting**		
February 2	**No Seminar - Northern CA NEHRP meeting**		
February 9	**Rachel Abercrombie**	Boston University	Using Small Earthquakes to Probe the Controls on Earthquake Source Processes
February 16	**Zhongwen Zhan**	Caltech	Geophysical sensing on submarine cables: a cocktail for two communities
February 23	**Juliane Dannberg**	Univ. of Florida	The morphology, evolution and seismic visibility of partial melt at the core-mantle boundary: Implications for ULVZs

March 2	**Verónica Rodríguez Tribaldos**	LBL	Towards regional subsurface characterization and monitoring using Dark Fiber DAS: challenges and opportunities
March 9	**Naoki Uchida**	Tohoku University	A Decade of Lessons Learned from the 2011 Tohoku-oki Earthquake
March 16	**Christopher Johnson**	Los Alamos National Laboratory	Seismic noise is the signal: Learning the earthquake activity on the central San Andreas Fault
March 23	**No Seminar - Spring Break**		
March 30	**Lauren Waszek**	James Cook University	Constraints on structure, dynamics, and composition of the upper mantle using automated seismic waveform identification
April 6	**Saeko Kita**	Graduate Institute for Policy Studies	Intraslab earthquake, slow slip and repeating earthquake beneath Kii peninsula, southwestern Japan
April 13	**Whyjay Zheng**	UC Berkeley Statistics	The demise of Arctic ice caps: from glacier surge to ice stream
April 20	**No Seminar - SSA Meeting**		
April 27	**Kate Huihsuan Chen**	National Taiwan Normal University	The nature of a dip-slip creeping fault in Taiwan: How and where it creeps

Fall 2020 Seminars

	Name	Affiliation	Title
September 1	Matti Morzfeld	UCSD	What is Bayesian inference, why is it useful in Earth science and why is it challenging to do numerically?
September 8	Susan Schwartz	UCSC	Where's Waldo? The Application of Template Matching to Understanding Fault and Glacier Mechanics
September 15	Lars Stixrude	UCLA	Planetary magnetic fields produced by silicate dynamos
September 22	Sylvain Barbot	USC	Excitation of San Andreas tremors by thermal instability below the seismogenic zone
September 29	Kevin Kwong	U. Washington	Insights into seismic deformation and subducting slab structure beneath Ecuador using teleseismic relocation and tomography
October 6	Magali Billen	UC Davis	Deep slab seismicity limited by rate of deformation in transition zone
October 13	Laura Wallace	GNS Science, New Zealand and University of Texas Institute for Geophysics	Relationships between slow slip events, megathrust locking, and seismicity at the Hikurangi subduction zone, New Zealand
October 20	Ebru Bozdag	CSM	Investigation of the Earth's mantle & outer core with 3D wave simulations
October 27	Frederik Simons	Princeton University	Through the Ocean to the Mantle: Twenty Thousand Leagues Under the Seas with a Fleet of Floating Seismic Robots
November 3			No seminar

November 10	Dan Shim	Arizona State University	Calcium Dissolution in Bridgmanite in the Earth's Deep Mantle
November 17	Brandon Schmandt	University of New Mexico	Seismically imaging magma reservoirs under large silicic calderas
November 24	Alex Robson	UC Berkeley	Exit Seminar
December 1	Ved Lekic	University of Maryland	To Be Announced

Spring 2020 Seminars

	Speaker	Affiliation	Title
Janury 21	**Arthur Rodgers**	LLNL	Toward Exascale Earthquake Ground Motion Simulations: Mw 7.0 Hayward Fault Ruptures
January 28	**Heather Shaddox**	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** **(Presented remotely via Zoom.)**	BSL/IPGP	The Dead Sea fault, a strike-slip fault model
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/16FP1oDBK2mkFSkFTIeMjgTRn6o6oVBOG/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 Bohnoff**	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

Spring 2019 Seminars:

Title	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
March 19	**Prof. Ebru Bozdag**	Colorado School of Mines	Imaging Earth's mantle with adjoint tomography: From measurements to interpretation
March 26	**Spring Break**		
April 2	**Guang Zhai**	BSL postodc	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

Fall 2018 Seminars:

	Speaker	Affiliation	Title
August 28	**Kayla Kroll**	Lawrence	Testing the Efficacy of

February 14	**Han Yue**	Caltech	The 2016 Kumamoto Earthquake Sequence:how the main shock starts and stops
February 21	**Ana Aguiar Moya**	Lawrence Livermore National Laboratory	Data Mining Microseismicity using PageRank
February 28	**Pierre Dutilleul**	McGill University	Multi-frequential periodogram and correlation analyses of earthquake numbers and hypocenter depths in central California
March 7	**Bill Hammond**	University of Nevada, Reno	GPS Imaging of Earth's Vertical Motion: From Sierra Nevada to North America
Monday, March 13, special seminar Room 141 McCone (no seminar March 14th)			
March 13	**Harriet Lau**	Harvard	Tidal Tomography and Deep Mantle Buoyancy **(Monday seminar)**
March 21	**Asaf Inbal**	BSL	Transient aseismic deformation and deep seismicity along the San-Jacinto and the Newport-Inglewood faults
March 28		***spring break***	
April 4	**Yves Guglielmi**	Lawrence Berkeley National Laboratory	Exploring processes of induced seismicity from mesoscale field experiments
April 11	**Amir Allam**	University of Utah	The Denali Fault as a Plate Boundary: New Results from Double-difference Tomography, Receiver Functions, and Fault Zone Head Waves
April 18	**Matt Hornbach**	Southern Methodist University	Seismic Imaging of hydrates on US Margins (Arctic/Atlantic) with implications for hydrate/margin stability and climate
April 25	**Chris Johnson**	BSL	Exit Seminar
May 2	**Felipe Orellana Rovirosa**	BSL	Exit Seminar
May 9	**Anya Reading**	University of Tasmania	Ocean Microseisms and Antarctic Lithosphere: Seismological and Interdisciplinary Investigations

Fall 2016 Seminars:

	Speaker	Affiliation	Title
Aug 30	**Kuo Fong Ma**	National Central University, Taiwan	Investigation on fault zone and fluid migration activity after the 1999 M7.6 Chi-Chi, Taiwan, earthquake
Sept 6	**Janire Prudencio**	BSL	2D and 3D attenuation tomographies of active volcanoes
Sept 13	**William Walter**	Lawrence Livermore National Laboratory	Explosion Monitoring and the Source Physics Experiment (SPE)

March 31	**Estelle Chaussard**	UC Berkeley	Interseismic deformation and potential for larger earthquakes on the Hayward-Calaveras Fault system
April 7	**Jiayi Xie**	University of Colorado Boulder	Inferring the oriented elastic tensor from surface wave observations: Preliminary application across the Western US
April 14	**Sarah Bennett**	Stanford University	Dig a Little Deeper: Decoding Intermediate-depth Earthquakes
April 21 (Cancelled)	**Stephen Morris**	UC Berkeley	Modelling of slab-scale stresses caused by the olivine-spinel transformation
April 28	**Anne Obermann**	Swiss Seismological Service (SED) at ETH Zurich	Monitoring with ambient noise: applications to volcanoes, fault zones and injection wells

Fall 2014 Seminars:

	Speaker	Affiliation	Title
September 2	**Pierre Boue**	Stanford	Teleseismic body waves retrieval from ambient seismic noise correlation
September 9	**Allen McNamara**	ASU	Understanding the compositional structure of Earthâ©ràs mantle
September 16	**Yousef Bozorgnia**	UC Berkeley	NGA-West2 Research Project
September 23	**Angie Chung**	Stanford	Rapidly Evaluating Damage Using High Density Networks in Noisy Urban Environments
September 30	**Artie Rodgers**	LLNL	Simulations of Earthquake Ground Motions in the San Francisco Bay Area
October 7	**Justin Rubinstein**	USGS	Determining the Seismic Hazard of Natural and Induced Earthquakes
October 14	**Zhongwen Zhan**	UC San Diego	Rupture complexity of deep earthquakes: the large, the hot, and the fast
October 21	**Adrien Arnulf**	UC San Diego	Anatomy of an active submarine volcano using wavefield based techniques
October 28	**Ben Brooks**	USGS	Harvesting point clouds: Near field deformation from the South Napa Earthquake from Mobile Laser Scanning geodesy
November 4	**Meghan Miller**	USC	Imaging the upper mantle structure of northwest Africa: Influence of mantle flow on continental deformation
November 11	**NONE - Veterans Day**		
November 18	**Sang-Ho Yun**	JPL	InSAR Error Budget in the Air
November	**Diego Melgar**	UC Berkeley	Tsunami inundation prediction