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