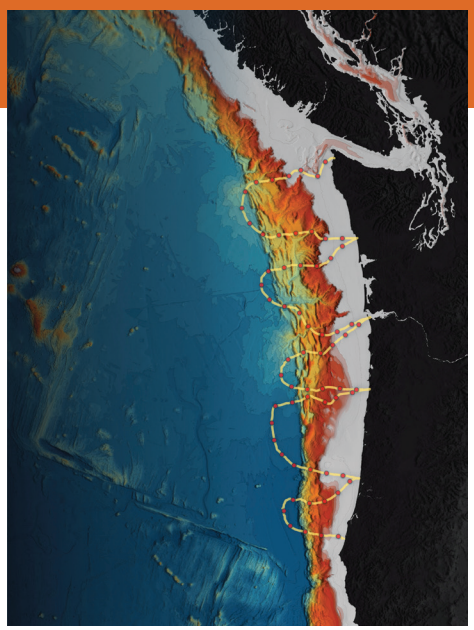
The Seismological Society of America (SSA) cordially invites you to a briefing on Capitol Hill

Seafloor Seismology: Understanding Earthquakes Beneath the Waves



Wednesday, February 26, 2020 • 10–11 AM

CAPITOL VISITOR CENTER, ROOM SVC 203

Enter through the general Capitol Visitor Center entrance for access to the Senate side and Room SVC 203.

Please allow 15 minutes for security check.

Earthquake science doesn't stop at the shoreline. Seafloor seismic activity can produce earthquakes and, in some cases, tsunamis that affect coastal and inland communities. Researchers monitor this seismic activity to improve their understanding of earthquake processes, particularly those at the edge of tectonic plates that produce the globe's largest and most devastating earthquakes. A better understanding of this seismicity, through the deployment of long-term seafloor seismometers, can identify communities at seismic risk and help them better prepare to address those hazards.

RSVP by 5 PM on February 24 to: policy@seismosoc.org

Breakfast will be served. Space is limited at this widely attended public event.

PRESENTERS:

Diego Melgar
University of Oregon

Diego Melgar is an Assistant Professor of Geophysics in the Department of Earth Sciences at the University of Oregon. Melgar graduated from the Scripps Institution of Oceanography in 2014 with a Ph.D. in geophysics, where he researched the role of Global Positioning Systems in seismology. He spent three years at the University of California, Berkeley's Seismological Laboratory working on early warning systems. He now works on the physics of the rupture process of large earthquakes and how best to image it by using diverse kinds of onshore and offshore geophysical data. He researches the hazards associated with these large events, modeling tsunamis, coastal impacts and the generation of strong shaking. Melgar continues to work on early warning systems and collaborates on the ShakeAlert West Coast-wide earthquake early warning system as well as with NOAA on local tsunami warning.

Jeffrey Park
Yale University

Jeffrey Park is Professor of Geology and Geophysics at Yale University. His research includes global seismology, plate tectonics, geophysical signal processing and Earth's past climatic conditions. Park has authored over 100 articles in scientific journals, book chapters and technical reports. Within the Incorporated Research Institutions for Seismology (iris.edu), Park has served as Chair of the oversight committee for the Global Seismographic Network, which monitors earthquakes, man-made explosions and other seismic phenomena at more than 150 land-based stations world-wide. He is the former chairman of Yale's Environmental Studies Program. Park received his B.A. from Princeton University and his Ph.D. from the Scripps Institution of Oceanography. He is a Fellow of the American Geophysical Union.

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