

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

# Forensic Seismology for Situational Awareness: Seismic Monitoring Beyond Earthquakes

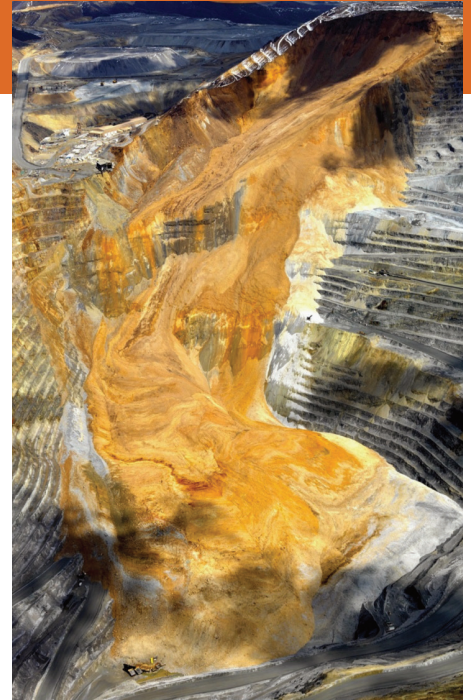
**Tuesday, June 19, 2018 from 9:30 to 10:30 a.m.**

Capitol Visitor Center, Room SVC 215

Seismic monitoring is an essential part of how we make rapid informed decisions. This briefing will highlight how seismic monitoring and networks are used to address issues beyond just earthquakes. Not only is seismic monitoring a key to deciphering natural hazards such as tsunamis, landslides, and volcanoes, it is also an essential forensic tool for issues ranging from industrial accidents and terrorism to protecting critical infrastructure and facilities. If it is big enough to shake the earth, seismic monitoring provides a tool to explain why.

**RSVP by June 15, 2018 to: [policy@seismosoc.org](mailto:policy@seismosoc.org)**

*Breakfast will be served. Space is limited at this widely attended public event. Enter through the general Capitol Visitor Center entrance for access to the Senate side and Room SVC 215. Please allow 15 minutes for security check.*



## PRESENTERS:

### **Keith Koper**

*University of Utah,  
Utah Seismic Safety Commission*

Koper is a Professor in the Department of Geology and Geophysics at the University of Utah and Director of the University of Utah Seismograph Stations, which focuses on research, education and public service related to earthquakes and seismic monitoring. He also serves as Vice Chair of the Utah Seismic Safety Commission. Koper received his Ph.D. in Geophysics from Washington University in 1998. His research interests include forensic seismology and detecting exotic sources of seismic activity, imaging large earthquake ruptures, study of the Earth's core, seismicity of the intermountain West and earthquakes induced by mining activity. He has been the Principal Investigator on grants totaling \$10.3 million from the National Science Foundation, the United States Geological Survey and the Air Force Research Laboratory.



### **Michael West**

*Alaska Earthquake Center,  
University of Alaska Fairbanks*

Michael West serves as the State Seismologist for Alaska and directs the Alaska Earthquake Center. The center's mission is to enhance earthquake resilience through monitoring, research, and public engagement. The center reports roughly 40 thousand earthquakes each year, produces the state's tsunami hazard map products, and supports Alaska's volcano monitoring mission. West, a research professor at the University of Alaska Fairbanks, received a Ph.D. with distinction from Columbia University in 2001. He holds an undergraduate degree in Physics from Colorado College and attributes his teaching and outreach style to his years spent teaching high school. He serves on several professional committees tied to the Alaska Seismic Hazards Safety Commission, the Advanced National Seismic System, the Seismological Society of America and the IRIS academic seismology consortium.

