

Northern California Earthquake Hazards Workshop Agenda

January 24-25, 2017

NASA Ames Conference Center, Building 3, Moffett Field, California

Tuesday, January 24

7:30-9:00am	Registration and Poster Setup
9:00-9:15am	Welcoming Remarks
	Steve Hickman (USGS)
	Matt Fladeland (NASA Ames)
	Jack Boatwright (USGS)
9:15-10:45am	Reducing Seismic Risk for Critical Facilities in Urban Areas Moderator: Jack Boatwright (USGS)
9:15am	<i>Utilization of earthquake simulations for nonlinear analysis and assessment of tall buildings</i> , Greg Deierlein (Stanford University)
10:00am	<i>The San Francisco Seawall</i> , Steven Reel (Port of San Francisco)
10:30am	<u>Panel Discussion</u> : Steven Reel (Port of San Francisco), Shahriar Vahdani (Applied GeoDynamics, Inc.), Craig Lewis (GHD Pty Ltd), Deron Von Hoff (Geotechnical Consultants, Inc.), Keith Knudsen (USGS)
11:00-11:15am	Break
11:15-12:15pm	Earthquake Hazards in the South Bay: Shaking, Liquefaction, and Landslides Moderator: Mark Murray
11:15am	Eric Thompson (USGS), Keith Knudsen (USGS), and Kate Allstadt (USGS)
12:00-1:00pm	Lunch & Poster Session
1:00-2:00pm	Lightning Talks (<i>1 slide and 3 min per speaker</i>) Moderator: Sarah Minson (USGS) <u>Speakers</u> : Roger Bilham (CIRES), Kathryn Materna (UC Berkeley), Joyce Blueford (Math Science Nucleus), Luther Strayer (CSU East Bay, Hayward), Michael Buga (Fugro), Volkan Sevilgen (Temblor), Randolph Langenbach (Conservationtech Consulting), Rufus Catchings (USGS), Jack Boatwright (USGS), Mitchell Craig (CSU East Bay, Hayward), Anne Wein (USGS), Chris Johnson (UC Berkeley), Russell Graymer (USGS), Suzanne Hecker (USGS), Carol Prentice (USGS), Patrick Williams (Williams Associates), Alena Leeds (USGS), Annemarie Baltay (USGS), Valerie Sahakian (USGS), Artie Rodgers (LLNL)
2:00pm-3:30pm	Poster Session

3:30-5:00pm	What Do Creep and Paleoseismology Tell Us About the Seismic Hazard of the Hayward Fault? Moderator: Jessica Murray (USGS)
3:30pm	<i>Hayward Fault: Long-term creep rates, geophysical properties and paleoearthquake record suggest controls on frequency and size of large earthquakes</i> , Jim Lienkaemper (USGS)
4:15pm	<i>Constraining creep and locking on the Hayward fault using InSAR and GPS</i> , Gareth Funning (UC Riverside)

Wednesday, January 25

9:00-10:30am	Seismic hazards for creeping faults Moderator: David Schwartz (USGS)
9:00am	<i>Beyond site-specific fault characterization: New developments in fault displacement hazard analysis (FDHA) for the mitigation of surface fault rupture</i> , Tim Dawson (California Geological Survey)
9:45am	<i>Sensitivity of hazard at PG&E facilities to source model assumptions for creeping faults</i> , [Norm Abrahamson (PG&E Geosciences)]
10:30-10:45am	Break
10:45-12:15pm	Uses of earthquake early warning Moderator: Jennifer Strauss (UC Berkeley)
10:45am	<i>Building the ShakeAlert User Community: The Path to Limited Public Rollout</i> , Robert de Groot (USGS)
11:30am	<i>"User Benefit Pathways and Perceptions for California's Earthquake Early Warning System"</i> Laurie Johnson and Sharyl Rabinovici, Pacific Earthquake Engineering Research Center (PEER)
12:15-1:15pm	Lunch and Poster Session
1:15-2:45pm	Unmanned aerial vehicles for earthquake response Moderator: Ben Brooks (USGS)
1:15pm	<i>The Use of Unmanned Aerial Vehicles in Recent Post-Earthquake Geotechnical Reconnaissance</i> , Kevin Franke (Brigham Young University)
2:00pm	<i>UAVs in support of NASA Earth System Science</i> , Matt Fladeland (NASA Ames)
2:45-3:00pm	Wrapup Jack Boatwright (USGS)