PRELIMINARY AGENDA
6th Annual Northern California Earthquake Hazards Workshop
January 20-21, 2009
USGS, Bldg. 3, 2nd Floor Conference Room 3-240, Menlo Park, CA

TUESDAY JANUARY 20

REGISTRATION ***8:00 - 8:45 AM***

Welcoming Remarks-Tom Brocher, Earthquake Hazards Chief ***8:45 - 8:50 AM***

Opening - David Schwartz, Acting No. California NEHRP Coordinator ***8:50 – 9:00 AM***

Seismic Monitoring – Moderator: Bill Ellsworth (USGS) ***9:00 – 10:15 AM***

David Oppenheimer (USGS)
The NetQuakes Project
Peggy Hellweg (UC Berkeley)
Operation of the Northern California Earthquake Management Center (NCEMC): Collaboration between UC Berkeley and the USGS Menlo Park, CA
Felix Waldhauser (Lamont Doherty Erath Observatory)
Near-Real-Time Double-Difference Earthquake Locations for Northern CA
Jeanne Hardebeck (USGS)
Earthquake Stress Drop and Fault Strength of the Hayward Fault
Linda Seekins (USGS)
Rupture Directivity of Moderate Earthquakes in Northern California

COFFEE BREAK – Poster Viewing ***10:15 – 10:45 AM***

East Bay Earthquake Faults – Moderator: Jim Lienkaemper (USGS) ***10:45 – 12:00 PM***

Tom Brocher (USGS)
Commemoration of the 140th Anniversary of the 1868 Hayward Earthquake
Roland Burgmann (UC Berkeley)
Earthquake Potential on the Hayward fault from Space Geodetic Measurements and Seismicity
Pat Williams (San Diego State University)
Neotectonics, Structure, and Geological slip rate, northern Hayward Fault
Mike Rymer (USGS)
Seismic Imaging of the Mission Fault in Fremont, Alameda County, California
Jack Boatwright (USGS)
The Amador Valley earthquake of July 3, 1861

LUNCH AND POSTER VIEWING ***12:00 – 2:00 PM***

Northern California Faults– Moderator: David Lockner (USGS) ***2:00 – 3:45 PM***

Bob Jachens (USGS)
3D Geologic, Tectonic, Kinematic Map of Coastal Central California
Carol Prentice (USGS)
Update on Northern California LiDAR and the Crystal Springs Paleoseismic Site
Janet Sowers (William Lettis & Associates)
LiDAR Mapping of the Southern Maacama Fault
Jim Lienkaemper (USGS)
The 170-km-long Bartlett Springs fault: it creeps but can it produce major earthquakes too?
Diane Moore (USGS)
Weakening of serpentinite sheared against quartzofeldspathic rocks under hydrothermal conditions: implications for fault creep
Chris Goldfinger (Oregon State University)
Further refinements of potential stress linkage between Cascadia and the NSAF
Taka'aki Taira (UC Berkeley)
Seismic Evidence for Remote Triggering of Fault-Strength Changes on the San Andreas Fault at Parkfield

BREAK – Poster Viewing ***3:45-4:15 PM***

Earthquake Warning and Education – Moderator: Paul Spudich (USGS) ***4:15 – 5:30 PM***

Richard Allen (UC Berkeley)
ElarmS-RT: Realtime Statewide Testing for Earthquake Warning
Nicholas Houlie (UC Berkeley)
The BARD continuous GPS network
Chris Wills (CA Geological Survey)
Investigation of Geographic rules for improving site-conditions mapping
Steve Walter (USGS)
The California Post-Earthquake Information Clearinghouse: A Plan to Learn from the Next Large California Earthquake
Phil Stoffer (USGS)
Outdoor science education collaborations? Let's put fun back into the education equation (in 3D)

Adjourn ***5:30 PM***
Group Dinner for those Interested ***6:00 PM***

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WEDNESDAY JANUARY 21

Future Earthquakes – Moderator: David Schwartz (USGS) ***9:00 – 9:45 AM***

David Schwartz (USGS)
Bay Area Earthquake Probabilities: 2003 vs.2008 vs. 20XX
Fred Pollitz (USGS)
Probabilistic seismic hazard in the San Francisco Bay area based on synthetic seismicity simulation
Brad Aagaard (USGS)
Ground motion simulations of scenario earthquakes on the Hayward fault

COFFEE BREAK – Poster Viewing ***9:45-10:15 AM***

Panel Discussion- Bay Area Infrastructure: 20 Years after Loma Prieta ***10:15 – 11:45 AM***

Bill Cain, EBMUD; Tom Horton/Tracy Johnson, BART; Tom Shantz, Caltrans; Luke Cheng, SFPUC; Tom Tobin, CAPSS

Lunch and Poster Viewing ***11:45-12:45 PM***

Break-Out Sessions ***12:45-2:15 PM***

Ground Motion: How Do We Upgrade the Bay Area 3D Model? (led by Brad Aagaard)

Bay Area Deformation (led by Roland Burgmann)

Seismic Monitoring: Will Calaveras Fault Seismicity Proceed the Next Hayward Fault Earthquake? (led by David Oppenheimer)

Mitigation: Twenty Years on from the Loma Prieta Earthquake (led by Jack Boatwright)

Northern California LiDAR and Earthquake Geology (led by Carol Prentice)

COFFEE BREAK – Poster Viewing ***2:15-2:45 PM***

Break Out Summaries (1 or 2 most important/doable elements) ***2:45-3:45 PM***

Close –Jack Boatwright ***3:45-4:00 PM***

Posters (Alphabetical Order by First Author)

Michael Barall (USGS/InvisibleSoft)
3D Spontaneous Rupture Models of Large Earthquakes on the Hayward Fault, California

Christopher Bowles (UC Davis)
New visualization tools for LiDAR data

Howard Bundock (USGS)
The 1898 Mendocino Earthquake

Tim Dawson (CA Geological Survey)
Paleoseismic record of earthquakes on the Santa Cruz Mountains segment of the San Andreas fault

Art Frankel (USGS)
Basin Surface Waves and Ground-Motion Amplification Observed on Seismic Arrays in San Leandro and Pleasanton

Gareth Funning (UC Riverside)
GPS reconnaissance of the Rodgers Creek-Maacama stepover region

Tom Holzer (USGS)
Liquefaction predictions for a repeat of the 1868 Hayward Fault earthquake

Rich Koehler (Univ. Nevada, Reno)
Paleoseismolgy of the northern San Gregorio fault, Half Moon Bay, California

Robert McLaughlin (USGS)
Evidence for maximum displacement on Maacama Fault

Jessica Murray-Moraleda (USGS)
Assessment of creep on the Bartlett Springs fault using GPS and Alinement array measurements

Ingrid Johanson (UC Berkeley)
Deformation and Earthquake Potential of the Eastern Coast Ranges from PS-InSAR Measurements

Malcolm Johnston (USGS)
A high-resolution borehole fault Monitoring System in the San Francisco Bay Region

Geoffrey Phelps (USGS)
3D Geologic map of the Northern San Andreas fault

Liam Reidy (UC Berkeley)
Vegetation change and the AD 1250 earthquake at Bolinas Lagoon, Marin County, California

Lew Rosenberg (Tierra Geoscience)
Map of Reliz-Rinconada Fault

Ashley Streig (William Lettis & Associates)
Paleoseismic record of earthquakes on the Santa Cruz Mountains segment of the San Andreas fault

Steve Walter (USGS)
Earthquake Swarms Near the Northern End of the Calaveras Fault