UJNR 5th Earthquake Research Panel Meeting

October 12-16, 2004

Asilomar Conference Center & Parkfield Field Trip

Tuesday 12 October 2004

1030 Meet Japanese at SFO with bus

1100 Stop at USGS, Menlo Park to pick up others

1400 Arrive in Monterey for lunch and tour of Monterey Bay Aquarium (additional $18 cost)

1630 Bus group to Asilomar Conference Center

1700 Registration and settle into assigned lodging

1800 Dinner in Crocker Dining Hall

1930 Post-dinner beverages available in "Evergreen" Room

Wednesday 13 October 2004

0730 Breakfast in Crocker Dining

0830 Opening Session- "Kiln" room- Session Chairs Mary Lou Zoback and Shin-ichi Noguchi

Welcoming Remarks by Panel Co-Chairs Bill Ellsworth and Shigeki Watanabe

0850 Jeanne Hardebeck , The 2003 M6.5 San Simeon and 2004 M6.0 Parkfield earthquakes in central California.

0910 Yoshimitsu Okada, The southeastern Kii Peninsula earthquake (M=7.4) of September 5, 2004, A Quick Report.

0930 David Wald, Rapid post-earthquake information tools from ANSS.

0950 Shin-ya Tsukada, The challenge of earthquake disaster prevention- Earthquake early warning and estimated seismic intensity.

1010 Break

1030 Shin-ichi Noguchi, The Kanto subduction zone: Seismicity, slab deformation and earthquake potential in and around two subducting oceanic plates.

1045 Dave Okaya, Imaging of the earthquake source fault beneath the Tokyo metropolitan region.

1100 Ross Stein, Progress towards a probabilistic hazard analysis for the Kanto region.

1115 Hiroyuki Fujiwara, National seismic hazard mapping project of Japan.

1130 Mary Lou Zoback, USGS Earthquake Hazards Program in Northern California – Probabilities to Prediction.

1145 Ned Field, Collaborative SCEC/USGS efforts to improve seismic hazard analysis: RELM and OpenSHA.

1200 Lunch in Crocker Dining Hall

1330 Afternoon Session- Chairs Eikichi Tsukada and Greg Beroza
Ray Weldon, From isolated sites to complex ruptures; the next hurdle for paleoseismology on the southern San Andreas fault.

1350 Eikichi Tsukuda, Active fault evaluation and development in paleoseismology, recent progress in Japan.

1410 Joel Johnson, Long-term Paleoseismic earthquake records along the Cascadia subduction zone, and northern SAF based on turbidite stratigraphy.

1430 Takashi Azuma, Importance of the geological investigations of paleoseismology in areas with short history.

1445 Tony Crone, Thrust faults in transpressive strike-slip environments- Role of the Susitna Glacier in the Denali earthquake.

1500 Break

1520 David Schwartz, Earthquake Geology of the Denali Fault System, Alaska

1540 Atsushi Yamagiwa, New GEONET system- Japanese dense GPS observation network for crust monitoring.

1600 Egill Hauksson, Imaging the source region of the San Simeon Earthquake within the weak Franciscan Subduction Complex, central California.

1620 Eric Dunham, Supershear rupture transient recorded during the 2002 Denali fault earthquake.

1640 Paul Sommerville, Differences in earthquake source and strong ground motion characteristics between shallow and buried faulting.

1700 Greg Beroza, Evidence of non-linear strong ground motion from repeating micro-earthquakes.

1720 Free Time

1830 Opening Banquet & No-Host Bar in Seascape Dining Hall

No-Host Bar (wine & beer) from 1800-2000

Thursday 14 October 2004

0730 Breakfast in Crocker Dining Hall

0830 Morning Session- Chairs Tom Jordan and Masaru Kaidzu
Kazushige Obara, Slow earthquake families in the Nankai Trough subduction zone: Non-volcanic tremor, slow slip, and very low frequency earthquakes.

0850 Wendy McCausland, Observations of deep, non-volcanic tremors in Cascadia.

0910 Hitoshi Hirose, Repeating short- and long-term slow slip events with deep tremor activity in the southwest Japan subduction zone.

0930 Akio Katsumata, Low-frequency tremor and slow slip around the probable source region of the Tokai earthquake: A new indicator for the Tokai earthquake prediction provided by unified seismic networks in Japan.

0950 Don Turcotte, Research in earthquake physics, forecasting, and simulation-based probabilistic hazard assessment at UC-Davis.

1010 Break

1030 Noriko Kamaya, New system of information about Tokai earthquake based on pre-slip model.

1050 Eric Calais, Search for precursors and coseismic signals: EM data, GPS TEC, Thermal mapping of Southern California faults.

1110 Margaret Glasscoe, QuakeSim: Simulation and analysis tools for creating a solid earth science framework for understanding and studying active tectonic and earthquake processes.

1130 Masaru Kaidzu, Conventionally detected crustal deformation in Tokai.

1150 Tom Jordan, Foreshock sequences and short-term earthquake predictability on East Pacific Rise transform faults.

1210 Lunch in Crocker Dining Hall

1330 Afternoon Session- Chairs Yoshimitsu Okada and David Hill
Evelyn Roeloffs, Effects of fluid pressure changes on borehole strainmeter data: Studies in preparation for the Earthscope Plate Boundary Observatory.

1350 Shoji Sakata, In situ measurement of rock viscosities by Sakata-type three-component strainmeters.

1410 Kristine Larson, Modeling the the rupture process of the 2003 Tokachi-Oki earthquake using 1-Hz GPS data.

1430 Naoji Koizumi, Hydrological changes induced by the 2003 Tokachi-oki earthquake, Japan.

1445 Dave Hill, Earthquakes and mass transport in the crust beneath the Long Valley Caldera - Mammoth Mountain magmatic systems.

1500 Break

1520 Akio Kobayashi, Loosening of the interplate coupling in the focal region of the anticipated Tokai earthquake induced by the 2000 seismo-volcanic event in the northern Izu islands.

1540 Tetsurou Imakiire, A study on seasonal variation of leveling data in the Omaezaki region.

1600 Rob Wesson, Interpretation of stress orientation in the Peninsular Ranges and Coachella Valley region of Southern California.

1620 Yoshimitsu Okada, Recurrence of earthquake swarms off eastern Izu Peninsula, central Japan.

1640 Steve Hickman, SAFOD: status and results.

1700 Mark Zoback, SAFOD: Testing fundamental theories.

1720 Free Time

1830 Hawaiian Luau Buffet and No-Host Bar (1800-2200) at Bonfire Area

Friday 15 October 2004

0730 Breakfast in Crocker Dining Hall

0830 Morning Session- Chairs Jim Dieterich and Shin-ya Tsukada
Jim Dieterich, Stress changes and non-linear scaling of slip on faults with fractal roughness: Implications for modeling of fault systems.

0850 Koji Masuda, Experimental and geological studies on slip processes in the deep extensions of seismogenic faults.

0910 Ken Hudnut, Measuring fault slip- why and how?

0930 David Jackson, Does fault size limit earthquake size?

0950 Brad Aagaard, What controls slip heterogeneity- prestress, fracture energy, or sliding friction?

1010 Break

1030 Frank Webb, GPS Data Products for Solid Earth Science.

1050 Akira Hasegawa, An attempt to image earthquake fault plane and asperities by DD tomography for three large shallow inland earthquakes in Japan.

1110 Tom Jordan, The community modeling environment of SCEC: An information infrastructure for EQ science.

1200 Collect box lunches and complete check-out

1230 Board Bus – depart for SAFOD, Paso Robles

1500 Arrive SAFOD

1800 Arrive in Paso Robles – Check into the Hampton Inn

1915 Board bus for short drive to Paris Restaurant

1930 Dinner at Paris Restaurant, Paso Robles, hosted by Southern California Earthquake Center

Saturday 16 October 2004

0730 Breakfast at participants choice of location

0900 Board Bus for field trip to San Andreas Fault and Parkfield

1230 Lunch at Parkfield Cafe

1400 Board Bus & depart for San Francisco

1800 Bus arrives USGS, Menlo Park and Hyatt Regency hotel, Burlingame (SFO)