TO Annual Meeting

November 8, 2011

- Program –

****New location: Poster Sessions, meals and breaks will be in Bechtel Mall****

Oral Presentations will be in Sharp Lecture Hall, 155 Arms

8:00 - 8:25	*Breakfast*
8:30 - 8:35	Introduction (Jean-Philippe)
8:35 - 9:15	Continental Tectonics (Brian/Jason)
9:15 - 10:00	Megathrust Slip from Geodesy and Paleogeodesy (Mark)
10:00 - 11:00	*Break/Poster Session*
11:00 - 11:45	Tohoku Oki Earthquake studies (Pablo/Don)
11:45 - 2:00	*Lunch & Poster Session*
2:00 - 2:45	Earthquake source physics and slip patterns (Nadia/Pablo)
2:45 - 3:30	Structure & Long Term Dynamics of Subduction zones (Rob/Mike)
3:30 - 4:30	*Break/Poster Session*
4:30 - 5:00	KISS connection: Remote Sensing/Earth Surface Evolution (JP)
5:00 - 5:15	Outreach Activities and Resources (Laurie)
5:15 - 6:00	*Poster Session*
6:00 - 8:00	*Dinner*

Contributions listed per theme

NB: The ordering under each theme is arbitrary. Coordinators (indicated in parenthesis) will organize each theme discussion.

Continental Tectonics (Brian/Jason)

Hollingsworth, James: Preliminary fault slip-rate estimate for the right-lateral Beng Co strike-slip fault, Central Tibet

Williams, Nneka: Crustal Deformation along the Nyainquentanglhe Detachment, Southern Tibet

Yin, An: A mid-crustal strain-transfer model for continental deformation: A new perspective from high-resolution deep seismic-reflection profiling across NE Tibet

Swanson, Erika: Temperatures and fluids on faults based on clumped isotope thermometry

Kidder, Steve: Rock constraints on crustal strength and rheology

Rousset, Baptiste: Crustal Rheology from post-seismic deformation following the 1999 Chi-Chi earthquake, Taiwan

Cecil, Robinson: Cryptic subsidence in the southeastern San Joaquin Basin associated with the downwelling and removal of a high-density keel from beneath the southern Sierra Nevada

Harvey, Janet: Deformation in the Southern Bristol Mountains: Late Oligocene/Early Miocene volcanism and titling to Later Neogene Strike Slip Faulting

Chapman, Alan: Slab flattening trigger for isotopic disturbance and magmatic flare-up in the southern Sierra Nevada batholiths, California

Veeraraghavan, Swetha: 3D Finite Element modeling of precariously balanced rocks

Megathrust Slip from Geodesy, Paleogeodesy and Seismology (Mark):

Rietbrock, Andreas Aftershock activity of the Maule, Chile

Lin, Nina: Postseismic slip due to the Maule Earthquake, a "mirror" of the Nias case

Ader, Thomas: Interseismic coupling on the Main Himalayan Thrust Fault

Chanard, Kristel: Modeling deformation induced by seasonal variations of continental water in the Himalaya region: sensitivity to Earth elastic structure

Wang, Yu: The general deformation pattern of the 1762 Arakan earthquake

Philibosian, Belle: Variations in the Seismic Cycle of the Sunda Megathrust from Coral Records

Tian, Xiangyan: Mechanisms of the aftershocks of the 2010 Mw 8.8 Maule, Chile earthquake

Jiang, Junle: A Bayesian Perspective on the Complementarity of Tsunami and Geodetic Observations in Models of Megathrust Earthquakes

Owen, Susan: The Advanced Rapid Imaging and Analysis for Earthquakes (ARIA-EQ) project: Imaging Tohoku and Christchurch Earthquakes

Tohoku Oki Earthquake studies (Pablo/Don)

Risheng Chu: Beginning of the Great Tohoku-Oki Earthquake

Rob Graves: Rupture roughness and 3D effects

Dunzhu, Li: Point-source Seismogram for earthquake sources using 2D staggered grid finite difference method

Zhongwen Zhan: Seismic waveform complexity caused by ocean-crustal interaction, Teleseismic

Bletery, Quentin: Bayesian earthquake modeling on an under constrained context: the 7.8 Tohoku-Oki aftershock

Wei, Shengji: Shaking and flooding by the Tohoku-Oki earthquake, a case of thermal pressurization

Cubas, Nadaya : Role of Thermal pressurization on Megathrust ruptures

Ortega, Francisco: Analysis of the Post-Seismic Deformation of the Great 11 March 2011 Tohoku-Oki (Mw 9.0) Earthquake

Meng, Lingseng The great Tohoku earthquake: rupture complexity at the bottom of seismogenic zone

Wenbo Wu Waveform modeling of scattered teleseismic P waves of the 2011 Tohoku-Oki earthquake due to 3D source-side structure

Earthquake source physics and slip patterns (Nadia/Pablo)

Chang, Shu-Hao: Frictional properties of the San Andreas Fault determined from dynamic modeling of afterslip

Barbot, Sylvain: Towards 'meteorological' earthquakes forecasting

Huang, Yihe: Pulse-like ruptures induced by low-velocity fault zones

Thomas, Marion: Quasi-dynamic versus fully-dynamic simulations of the slip accumulation on faults with heterogeneous friction properties

Ader, Thomas: Seasonal variations of seismicity in the Nepal Himalaya

Ramses Mourhatch: Generating Broadband Seismograms for a Suite of San Andreas Earthquake

Luo, Yingdi: Numerical simulation of tremor migration triggered by slow slip and rapid tremor reversals

Lambert, Valére: Elastostatic solutions for realistic slip and stress around shear cracks, implication for inverting geodetic measurements for fault slip

Jiang, Junle: The Effect of Thermal Pressurization on Long-Term Coseismic Behavior of Faults with Heterogeneous Compressive Stress.

Siriki, Hemanth: Generating Stochastic Source Models using Insights from Laboratory Earthquakes

Structure and Long Term Dynamics of Plate Boundaries (Rob/Mike)

Leng, Wei : Divergent pathways of subduction initiation and related volcanic eruptions

Burkett, Erin: Dangling Slab Dynamics

Chen, Ting: Three-dimensional attenuation and velocity tomography of Central and Southern Mexico

Heckman, Vanessa Surface wave tomography of Mexico from ambient seismic noise

Lin, Fan-Chi: Surface wave tomography with USArray based on phase front tracking and amplitude mapping: isotropic, anisotropic, intrinsic attenuation, and density

Perez-Campos, Xyoli: Upper Mantle Discontinuities underneath Central and Southern Mexico

Dougherty, Sara: Seismic evidence for fragmentation of the Cocos slab in central Mexico

Hassanzadeh, Jamshid: Subduction initiation along a passive continental margin: Story of the Mesozoic arc north of the Neo-Tethys in Iran

Ma, Yiran: Surface wave tomography in Southern Peru

Schmandt, Brandon: Broken and buoyant slabs beneath USArray

Skinner, Steve: Flat Slabs

Alisic, Laura: Multi-scale Dynamics and Rheology of Mantle Flow with Plates

Turner, Mark: Gplates and Global Modeling (2 posters)

Remote Sensing/Earth Surface Evolution (KISS connection) (JP)

Rubino, Vito: The feasibility of dynamic full-field earthquake measurements from space: a laboratory study

Agram, Piyush: InSAR analysis of the San Andreas Fault in Central California

Leprince, Sebastien: Surface rupture and slip variation induced by the 2010 El Mayor Cucapah earthquake, Baja California, quantified using COSI-Corr analysis on pre- and post-earthquake LiDAR acquisitions

Hollingsworth, James: Deformation during the 1975-84 Krafla rifting crisis, NE Iceland, measured by optical image correlation

Mackey, Ben: Integrating airborne LiDAR and historical aerial photographs to access the kinematics and evolution of a large, slow-moving landslide

Scheingross, Joel: Observations of slow-moving landslides in Central California using InSAR and UAVSAR

Ayoub, Francois: Sand dune migration and sand flux on Mars measured from optical images.

Limaye, Ajay: Automated detection and morphometry of river terraces using digital elevation models