

CASCADIA WORKSHOP - POSTERS

APRIL 4-6, 2012
PORTLAND, OREGON

First Name	Last Name	Department	Institution	Poster Title
Richard	Allen	Berkeley Seismological Laboratory	UC Berkeley	Multiscale imaging of Cascadia
Jean Paul	Ampuero		Caltech	3D dynamic modeling of subduction earthquake processes including slow slip and tremor phenomena
Justin	Ball	CIRES and Geological Sciences	University of Colorado Boulder	Estimated Shallow Crustal Shear Velocity Structure Off the South Island, New Zealand from Seafloor Compliance Measurements
Bran	Black	CEOAS	Oregon State University	Sub Bottom Profile Based Correlation of Cascadian Seismogenic Turbidites
Richard	Blakely	Geology and Geophysics Science Center	US Geological Survey	Upper-plate structure and its impact on subduction-zone segmentation
Paul	Bodin	Earth and Space Sciences	University of Washington	Realtime Onshore Monitoring of Cascadia Seismicity
Michael	Bostock		UBC	Dehydration Embrittlement Inhibited? - Relocation of Wadati-Benioff Events and LFE's near Southern Vancouver Island
Katharine	Cashman	School of Earth Sciences	University of Bristol	Holocene Mafic Volcanism in central Oregon
Corina	Cerovski-Darriau	Geology	University of Oregon	Shake, rattle and roll - tectonic and lithologic controls on sediment production in the Oregon Coast Range
Dave	Chadwell	Marine Physical Lab	Scripps Institution of Oceanography UCSD	Potential Contributions of Seafloor Geodesy to Understanding slip behavior along the Cascadia Subduction Zone
Christine	Chan	College of Earth, Ocean and Atmospheric Sciences	Oregon State University	Magmatic evolution within the lower arc crust: Insights from crystal zoning in the Tenpeak pluton, North Cascades crystalline core, Washington AB:
Richard	Conrey	GeoAnalytical Laboratory	Washington State University	Some Fundamental Problems in Oregon Western Cascade geology and petrology
Michele	Cooke	Geosciences	University of	The work of fault growth within the sandbox and within accretionary
Juliet	Crider	Earth and Space Sciences	University of Washington	Geometric evidence for depth of faulting beneath Umtanum Ridge Yakima folds WA

Susan	DeBari	Geology Department	Western Washington University	Mantle wedge processes in the northern Cascade arc from olivine-hosted melt inclusions
Herb	Dragert	Pacific Geoscience Center	Geological Survey of Canada	Tracking Hydrosphere Dynamics with Borehole Strainmeters: One Person's Noise = Another Person's Signal
Anne	Egger	Geological Sciences	Central Washington University	Opportunities for bringing research results into the classroom through InTeGrate
Simon	Engelhart	Earth and Environmental Science	University of Pennsylvania	Coastal subsidence during late Holocene great megathrust earthquakes beneath Cascadia tidal marshes, Siletz Bay, Oregon
Daniel	Eungard		Oregon State University	Ignimbrite Volcanism of the Deschutes Formation
Donald	Forsyth	Geological Sciences	Brown University	Seismic surface wave observations of the structure and anisotropy of mid-ocean ridges and Cascadia
Haiying	Gao		University of Rhode Island	Seismic evidence for 3D decompressional melting at the Cascadia subduction zone
Kimberly	Genareau	Earth and Environmental Sciences	Lehigh University	Quantifying the size of bubbles that burst to produce very fine ash during the May 18, 1980 eruption of Mount St. Helens
Abhijit	Ghosh	Earth & Space Sciences	University of Washington	Patches of asperity in the transition zone control evolution of slow earthquakes
Chris	Goldfinger	CEOAS	Oregon State University	Segmentation, clustering, and long term energy cycling of Cascadia great earthquakes
Andrew	Goodwillie		Lamont Doherty Earth Observatory	GeoPRISMS Data Portal
Nicholas	Graehl	Geology	Humboldt State University	LATE HOLOCENE PALEOSEISMICITY, TSUNAMIS, AND RELATIVE SEA-LEVEL CHANGES IN YAQUINA BAY, CENTRAL COASTAL OREGON
Anita	Grunder	CEOAS	Oregon State University	Cascadia Mantle Transect at 35 Ma through the Lens of Basalt Isotopic Signatures
Shuoshuo	Han	Lamont Doherty Earth Observatory	Columbia University	3D Multichannel Seismic Imaging of Off-Axis Melt Lenses at the East Pacific Rise: Potential Heat Sources for Ridge Flank Hydrothermal Fluid Circulation
Martin	Heesemann	NEPTUNE Canada	University of Victoria	TBD
Joseph	Henton	Geodetic Survey Division	Natural Resources Canada	Absolute gravity in the northern Cascadia Subduction Zone: The lighter (and heavier) side of long-term and transient deformation monitoring
Emilie	Hooft	Dept Geological Sciences	University of Oregon	Cascadia Initiative Offshore OBS Deployments
Heidi	Houston	Earth and Space Sciences	Univ of Washington	Tremor Propagation Patterns in Cascadia ETS

Yan	Hu	Geophysical Institute	University of Alaska Fairbanks	Earthquake Cycle Deformation of Great Cascadia Megathrust Earthquakes
Eugene	Humphreys	Geological Sciences	University of Oregon	Accretion of Siletzia
Roy	Hyndman	Pacific Geoscience Centre	Geological Survey of Canada	A summary of the seven constraints to the downdip limit of rupture in Cascadia great earthquakes.
Garrett	Ito	Dept. of Geology and Geophysics	University of Hawaii	Mantle Flow and Seismic Anisotropy Associated with Plume-Plate Interaction
Timothy	Kane	College of Oceanic and Atmospheric Sciences	Oregon State University	Patterns of deformation in the Cascadia forearc and implications for plate coupling and stress field orientation
Adam	Kent	CEOAS	Oregon State University	The explosive eruptive history of the early modern Cascades
Kerry	Key		Scripps Institution of Oceanography	Mapping fluids in the Cascadia subduction zone using marine electromagnetics
Chris	Kincaid	Oceanography	University of Rhode Island	Laboratory models of plume versus non plume models for the Cascadia Subduction System
Christina	King	Graduate School of Oceanography	University of Rhode Island	Ambient Noise Non-Linear Time Correction for Ocean Bottom Seismometers
Alison	Koleszar	College of Earth Ocean and Atmospheric Sciences	Oregon State University	Magma mixing and potential magmatic sources below Mount Hood, Oregon
Randy	Krogstad	Geological Sciences	University of Oregon	Long-term strain accumulation in the Cascadian slow slip zone constrained by leveling and tide gauge data
Lonnie (Elana)	Leithold	Marine Earth Atmospheric Sciences	North Carolina State University	The upland response to great subduction earthquakes in Cascadia--potential signals from sedimentary archives
Alan	Levander	Earth Science	Rice University	The Seismic Structure of the Mantle Wedge under Cascade Volcanoes
Alan	Levander	Earth Science	Rice University	Illuminating the architecture of the greater Mount St. Helens magmatic systems from slab to surface
Matthew	Loewen	College of Earth Ocean and Atmospheric Science	Oregon State University	Trace metal behavior recorded in phenocrysts from 1980 eruptions of Mount St. Helens
Andrew	Meigs	CEOAS	Oregon State University	The Cascadia backarc story
Tim	Melbourne	Dept of Geological Sciences	CWU	GPS inferences of repeating ETS slip patches
Brendan	Miller	Earth and Space Science	University of Washington	
Robert	Miller	Geology	San Jose State University	Along-Strike Changes to Basement to the Northern Part of the Cascades Arc

Melissa	Moore-Driskell	CERI	University of Memphis	3D Velocity Tomography of the Nicaraguan and Costa Rican Subduction Zone
Seth	Moran	Cascades Volcano Observatory	US Geological Survey	Seismic monitoring at Cascade Range volcanoes
Ann	Morey	College of Earth, Ocean and Atmospheric Sciences	Oregon State University	Evidence of Cascadia Earthquakes in Lacustrine Sediments
Emily	Mullen	Earth and Ocean Science	University of British Columbia	High precision Sr-Nd-Hf-Pb isotopic data on northern Cascade arc basalts reveal spatial gradients in mantle source compositions and subducting sediment input
E M	Parmentier	Geological Sciences	Brown University	Thermal Structure of Convergent Plate Boundaries Incorporating the Heat of Melting and Crustal Accretion
Jason	Patton	college of earth oceanic and atmospheric sciences	Oregon State University	What the mismatch between current geodetic data and paleoseismic data in southern Cascadia can tell us about the earthquake cycle
Robert	Porritt		UC Berkeley	Investigation of Cascadia Segmentation with Ambient Noise Tomography
Evelyn	Roeloffs	Earthquake Science Center	US Geological Survey	Constraining the up-dip limit and rake of slip during Cascadia slow slip events using borehole strainmeter data
Michael	Rowe	School of the Environment	Washington State University	Trace metals as potential indicators for volatile exsolution beneath Mount St Helens WA
Philipp	Ruprecht		Lamont Doherty Earth Observatory of Columbia University	The Role of Mafic Recharge in Silicic Magma Systems
Daniel	Ruscitto	Earth and Environmental Sciences	Rensselaer Polytechnic Institute	Magmatic Processes Inferred from Olivine-hosted Melt Inclusions in Recent Cinder Cone Eruptions of Central Oregon
Adam	Schultz	College of Earth Ocean and Atmospheric Sciences	Oregon State University	Magnetotelluric Observations of Cascadia using Huge Arrays - fluids, ETS and the roots of arc volcanism [note - abstract to follow before deadline]
Anne	Sheehan	Geological Sciences and CIRES	University of Colorado	Utility of OBS/DPG Arrays for Physical Oceanography: Tsunami waveforms, Infragravity wave interferometry, and seafloor pressure anomalies
Yang	Shen	Oceanography	University of Rhode Island	Developing a comprehensive seismic velocity model for the Cascadia subduction zone
Brian	Sherrod	Dept of Earth and Space Sciences	US Geological Survey	TBD

Gerry	Simila	Geological Sciences	CSU Northridge	SEISMIC STRONG MOTION ARRAY PROJECT (SSMAP) TO RECORD FUTURE LARGE EARTHQUAKES IN THE NICOYA PENINSULA AREA, COSTA RICA
Robert	Skarbek	Geological Sciences	University of Oregon	Aseismic Slip in a 1-D Model of a Subduction Channel Shear Zone
Ralph	Stephen	Geology and Geophysics	WHOI	The Depth Dependence of Earthquake T-phases at an Ocean Acoustic Observatory
Danielle	Sumy		US Geological Survey	Constructing a comprehensive low-frequency earthquake catalog from a dense temporary deployment of seismometers along the Parkfield-Cholame segment of the San Andreas fault
Justin	Sweet	Earth and Space Sciences	University of Washington	Low-Frequency Earthquakes on the Cascadia Subduction Interface
Douglas	Toomey		University of Oregon	Status of the Ocean Bottom Seismology Component of the Cascadia Initiative
Anne	Trehu		Oregon State University	Thrust earthquakes on the central Oregon margin - an update
Wanda	Vargas	Earth and Atmospheric Research	Cornell University	Imaging the Middle America subduction zone with body waves extracted from ambient noise by seismic interferometry
John	Vidale	Earth and Space Sciences	University of Washington	Array of Array recording of slow slip in Cascadia
Kristina	Walowski	Geological Sciences	University of Oregon	Understanding magma formation and mantle conditions in the Lassen segment of the Cascade Arc: Insights from volatile contents of olivine-hosted melt inclusions
Kelin	Wang	Pacific Geoscience Centre	Geological Survey of Canada	Heterogeneous slip distribution of the 1700 Cascadia earthquake
Pei-Ling	Wang	School of Earth and Ocean Sciences	University of Victoria	Modeling Rupture in the 1700 Great Cascadia Earthquake Based on High-Quality Paleoseismic Observations
Karl	Wegmann	Marine Earth and Atmospheric Sciences	North Carolina State University	The upland response to great subduction earthquakes in Cascadia--potential signals from sedimentary archives
Ray	Wells		US Geological Survey	Tectonic Setting of Siletzia
Hongfeng	Yang	Geology and Geophysics	Woods Hole Oceanographic Institution	Effects of subducted seamounts on megathrust earthquakes and rupture propagation
Daniel	Zietlow	Geological Sciences	University of Colorado at Boulder	Determining Mantle Anisotropy at a Transform Plate Boundary via Ocean Bottom Seismometers: South Island, New Zealand