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Professional Experience

University of Washington	Associate Professor	2013-present
University of Oregon	Associate Professor	2009-2012
University of Oregon	Assistant Professor	2003-2009
Stanford University	Postdoctoral Scholar	2003
University of California, Berkeley	Research Assistant	1997-2002

Education

Ph.D., Geophysics, University of California, Berkeley	2002
B.S., Physics, University of California, San Diego	1997

Teaching Experience

Instructor, ESS 490, Field Methods in Remote Sensing	2017
Instructor, ESS 311, Geomechanics	2017
Instructor, ESS 590, Cascadia Tectonics & Fault Mechanics Seminar	2016
Moderator, ESS 562, Observational Seismology Seminar	2016
Co-Instructor, CENV 499, Natural Hazards & Community Resilience Seminar	2015
Moderator, ESS 590, Southern Cascadia Reading Seminar	2015
Co-Instructor, ESS 490/590, Ground-Based LiDAR	2015
Instructor, ESS 490/590, Satellite Radar Interferometry	2014
Instructor, ESS 490/590, Crustal Deformation	2013
Instructor, GEOL 607, Graduate Seminar: Professional Skills & Science Ethics	2012
Instructor, GEOL 410/510, Satellite Interferometry, UO	2007, 2008, 2010
Instructor, GEOL 455/555, Mechanical Earth, UO	2006-2012
Instructor, GEOL 460/560, Crustal Deformation, UO	2005
Instructor, GEOL 202, Surface and Environmental Geology, UO	2004-2012
Instructor, GEOL 325 Geophysics, UO	2004-2006
Instructor, GEOL 467/567, Fault Mechanics, UO	2004, 2009, 2012
Moderator, GEOL 607, Themed Research Seminars, UO	2004, 2010, 2012

Professional Service

Workshop on Offshore Monitoring for Cascadia, co-organizer	2017
Red-team Proposal Review Committee for NGeo, UNAVCO	2016
Cascadia/Alaska Subduction Zone Observatory Webinar, co-facilitator	2016
PBO Station Prioritization for NGeo, UNAVCO, ad-hoc committee (invited)	2016
Geodetic Committee for Earthquake Early Warning	2016
Future of Seismic/Geodetic Facilities, Summary Report Writing Com. (invited)	2015
EarthScope National Speaker Series, featured presenter (invited)	2015
NASA Panel Committee Member (Earth Surface & Interior, appointed)	2014
UNAVCO Education & Community Engagement Committee (appointed)	2013-present
WInSAR, Executive Committee, Secretary, Vice-Chair (elected, 3 terms)	2008-2014
NSF Panel Committee Member (EAR-EarthScope, appointed, 3-year term)	2010-2012
UNAVCO, Inc., Strategic Planning Committee Member (appointed)	2008
Committee Chair, PBO Data Working Group (appointed)	2007-2010

USGS National Volcano Early Warning System, Deformation Working Group	2006
Proposal Reviewer for NSF(39), NASA(3), foreign(3)	2005-Present
UNAVCO, Inc., University Representative	2004-2012
Paper Reviewer (80) for <i>Geophys. J. Int.</i> , <i>Geophys. Res. Lett.</i> , <i>Tectonophysics</i>	2003-Present
Coordinator, Outstanding Student Paper Competition, Geodesy Section, AGU	2003
Session Convener/Chair, AGU Fall Meeting, ALOS Symposium, others	00/02/07/09/13/14

Departmental and University Service

Faculty Search Committee, Civil and Environmental Engineering, UW	2017
Faculty Search Committee, Applied Physics Laboratory, UW	2016
Departmental Graduate Preliminary Exam Committee, Co-chair	2015-2017
Panel Discussion on Resilience, College of Built Environment, Panelist	2015
Natural Hazards Seminar, College of the Environment, Assisted w/Planning	2015
Bassett Faculty Teaching Award Committee	2015
Chair's Responsibilities and Definition Committee	2015
Department Hiring Plan for Subduction, Lead Author	2015
Departmental Curriculum Committee	2014-2017
Departmental Oversight Committee	2014
ESS Departmental Fall Seminar, Coordinator	2013
Graduate Preliminary Exam Committee, Univ of Washington	2013
Faculty Search Committee, School of Oceanography, Univ of Washington	2013
Graduate Admissions Committee, University of Washington	2013
Faculty Judge, ESS Gala Student Symposium, University of Washington	2013
Graduate Director, Geological Sciences, University of Oregon	2010-2012
Departmental Curriculum Committee, Geological Sciences, Univ of Oregon	2010-2012
Departmental Website, Coordinator, Geological Sciences, Univ of Oregon	2007-2012

Professional Development

Best Practices in Hiring, UW Office of Faculty Advancement	2017
Media Training, UW Marketing & Communications, College of the Environ.	2016
Green Dot Training: Emotional First Aid for Students, UW Health & Wellness	2015
Complex Collaborative Proposal Workshop, UW Office of Research	2015
Science Communication Training, College of the Environment	2013

Publications (* indicates student as lead author)

- Bayer*, B., B., M. Mulas, A. Corsini, and D. Schmidt (*in review*), Deformation responses of slow moving landslides to seasonal precipitation in the Northern Apennines, measured by InSAR, Submitted to *Geomorphology*.
- Welch*, M., D. A. Schmidt (*in revision*), Separating Volcanic Deformation and Atmospheric Signals at Mount St. Helens Using Persistent Scatterer InSAR, Submitted to *J. Vol. Geotherm. Res.*
- Bayer*, B., D. Schmidt, and A. Simoni (2017), The influence of external digital elevation models on PS-InSAR and SBAS processing applied to slow moving landslides in the Northern Apennines (Italy), *IEEE Trans. Geosc. Rem. Sens.*, vol.PP, no.99, pp.1-14, doi: 10.1109/TGRS.2017.2648885.
- Wilcock, W., D. A. Schmidt, J. E. Vidale, M. J. Harrington, P. Bodin, G. S. Cram, J. R. Delaney, F. I. Gonzalez, D. S. Kelley, R. J. LeVeque, D. A. Manalang, C. McGuire, E. C. Roland, M. W. Stoermer, J. W. Tilley, C. J. Vogl (2016), "Designing an offshore geophysical network in the Pacific Northwest for earthquake and tsunami early warning and hazard research," *OCEANS 2016 MTS/IEEE Monterey*, Monterey, CA, 2016, pp. 1-8. doi: 10.1109/OCEANS.2016.7761291.

- Tong, X., and D. A. Schmidt (2016), Active movement of the Cascade landslide complex in Washington from a coherence-based InSAR time series method, *Rem. Sens. Env.*, 186, doi:10.1016/j.rse.2016.09.008.
- Bayer*, B., L. Bertello, A. Simoni, M. Berti, D. Schmidt, M. Generali, and M. Pizziolo (2016), Ground surface deformations induced by tunneling under deep-seated landslides in the Northern Apennines of Italy imaged using advanced InSAR techniques, *Landslides and Engineered Slopes. Experience, Theory and Practice, Proc. 12th Intl. Sym. Landslides (Napoli, Italy, 12-19 June 2016)*, Edited by S. Aversa, L. Cascini, L. Picarelli, and C. Scavia, DOI: 10.1201/b21520-35.
- Crowell, B. W., D. A. Schmidt, P. Bodin, J. E. Vidale, J. Gomberg, J. R. Hartog, Vi. C. Kress, T. I. Melbourne, M. Santillan, S. E. Minson, and D. G. Jamison, (2016), Demonstration of the Cascadia G-FAST Geodetic Earthquake Early Warning System for the Nisqually, Washington Earthquake, *Seism. Res. Lett.*, 87, DOI: 10.1785/0220150255.
- Bennett, G. L., J. J. Roering, B. H. Mackey, A. L. Handwerger, D. A. Schmidt, and B. P. Guillod (2016), Historic drought puts the brakes on earthflows in Northern California, *Geophys. Res. Lett.*, 43, doi:10.1002/2016GL068378.
- Gomberg, J., P. Bodin, J. Borgeois, S. Cashman, D. S. Cowan, K. Creager, B. Crowell, A. Duvall, A. D. Frankel, F. Gonzalez, H. Houston, H. P. Johnson, H. Kelsey, U. Miller, E. Roland, D. Schmidt, L. Staisch, J. Vidale, W. Willcock, and E. Wirth (2016), Planning for a subduction zone observatory, *Eos*, 97, doi:10.1029/2016EO052635.
- Bennett, G., S. Miller, J. Roering, and D. Schmidt (2016), Landslides, threshold slopes, and the survival of relict terrain in the wake of the Mendocino Triple Junction, *Geology*, DOI:10.1130/G37530.1.
- Krogstad*, R. D., D. A. Schmidt, R. J. Weldon, and R.J. Burgette (2016), Constraints on accumulated strain near the ETS zone in Cascadia, *Earth Planet. Sci. Letts.*, 439, 109-116, doi:10.1016/j.epsl.2016.01.033.
- Handwerger*, A. L., Roering, J. J., Schmidt, D. A., and Rempel, A.W. (2015). Kinematics of Earthflows in the Northern California Coast Ranges using Satellite Interferometry, *Geomorphology*, 246, doi:10.1016/j.geomorph.2015.06.003.
- Roering, J. J., B. H. Mackey, A. L. Handwerger, A. M. Booth, D. A. Schmidt, and C. Cerovski-Darriau, (2015), Beyond the angle of repose: Tracking landslides and landscape evolution using airborne lidar, satellite interferometry, historical air photos, cosmogenic radionuclides, suspended sediment records, and geomorphic process models, *Geomorphology*, 236, doi:10.1016/j.geomorph.2015.02.013.
- Vidale, J.E., D. A. Schmidt, S.D. Malone, A.J. Hotovec-Ellis, S.C. Moran, K.C. Creager, and H. Houston (2014), Deep long-period earthquakes west of the volcanic arc in Oregon: evidence of serpentine dehydration in the forearc mantle wedge, *Geophys. Res. Lett.*, doi:10.1029/2013GL059118.
- Weldon, R.J., D. A. Schmidt, L. J. Austin, El. M. Weldon, and T. E. Dawson (2013), Compilation of Creep Rate Data for California Faults and Calculation of Moment Reduction Due to Creep, Appendix D, in Uniform California earthquake rupture forecast, version 3 (UCERF3)—The time-independent model, *U.S. Geological Survey Open-File Report 2013–1165*, 97 p.
- Handwerger*, A., J. J. Roering, and D. A. Schmidt (2013), Controls on the seasonal deformation of slow-moving landslides, *Earth Planet. Sci. Lett.*, 377-378, doi: 10.1016/j.epsl.2013.06.047.
- Skarbek*, R. M., A. W. Rempel, and D. A. Schmidt (2012), Geologic heterogeneity can produce aseismic slip transients, *Geophys. Res. Lett.*, 39, L21306, doi:10.1029/2012GL053762.
- Riddick*, S., D. A. Schmidt, and N. I. Deligne (2012), An analysis of terrain properties and the location of surface scatterers from persistent scatterer interferometry, *ISPRS Journal of Photogrammetry and Remote Sensing*, doi: 10.1016/j.isprsjprs.2012.05.010.

- Dietterich*, H. R., M. P. Poland, D. A. Schmidt, K. V. Cashman, D. R. Sherrod, and A. T. Espinosa (2012), Tracking lava flow emplacement on the east rift zone of Kīlauea, Hawai‘i, with synthetic aperture radar coherence, *Geochem. Geophys. Geosyst.*, 13, Q05001, doi:10.1029/2011GC004016.
- Gao*, H., D. A. Schmidt, and R. Weldon (2012), Scaling relationships of source parameters for slow slip events, *Bull. Seism. Soc. Am.*, 102, 1, 352-360, doi:10.1785/0120110096. [Featured by SSA]
- Riddick*, S., and D. A. Schmidt (2011), Time-dependent changes in volcanic inflation rate near Three Sisters, Oregon, revealed by InSAR, *Geochem. Geophys. Geosyst.*, 12, Q12005, doi:10.1029/2011GC003826. [Editors' Choice]
- Wisely*, B. A., and D. A. Schmidt (2010), Deciphering vertical deformation and poroelastic parameters in a tectonically active fault-bound aquifer using InSAR and well level data, San Bernardino basin, California, *Geophys. J. Intl.*, 181, 3, DOI: 10.1111/j.1365-246X.2010.04568.x
- Calabro*, M. D., D. A. Schmidt, and J. J. Roering (2010), An examination of seasonal deformation at the Portuguese Bend landslide, southern California, using radar interferometry, *J. Geophys. Res.*, 115, F02020, doi:10.1029/2009JF001314.
- Schmidt, D. A. and H. Gao (2010), Source parameters and time-dependent slip distributions of slow slip events on the Cascadia subduction zone from 1998 to 2008, *J. Geophys. Res.*, 115, B00A18, doi:10.1029/2008JB006045.
- Gomberg, J., P. Bedrosian, P. Bodin, M. Bostock, M. Brudzinski, K. Creager, H. Dragert, G. Egbert, A. Ghosh, J. Henton, H. Houston, H. Kao, P. McCrory, T. Melbourne, S. Peacock, E. Roeloffs, J. Rubinstein, D. Schmidt, A. Trèhu, J. Vidale, K. Wang, and A. Wech (2010), Slow-slip phenomena in Cascadia from 2007 and beyond: A review, *GSA Bull.*, 122, 7-8, 963-978, DOI: 10.1130/B30287.1.
- Roering, J. J., L. L. Stimely, B. H. Mackey, and D. A. Schmidt (2009), Using DInSAR, airborne LiDAR, and archival air photos to quantify landsliding and sediment transport, *Geophys. Res. Lett.*, 36, L19402, doi:10.1029/2009GL040374.
- Chandrasekhar, D.V., R. Bürgmann, C. D. Reddy, P. S. Sunil, and D. Schmidt (2009), Weak Mantle in NW India Probed by Geodetic Measurements Following the 2001 Bhuj Earthquake, *Earth Planet. Sci. Lett.*, 280, 229-235, doi:10.1016/j.epsl.2009.01.039.
- Burgette*, R. J., R. J. Weldon, II, and D. A. Schmidt (2009), Interseismic uplift rates for western Oregon and along-strike variation in locking on the Cascadia subduction zone, *J. Geophys. Res.*, 114, B01408, doi:10.1029/2008JB005679.
- Schmidt, D. A., and R. Bürgmann (2008), Predicted reversal and recovery of surface creep on the Hayward fault following the 1906 San Francisco earthquake, *Geophys. Res. Lett.*, 35, L19305, doi:10.1029/2008GL035270.
- Wisely*, B. A., D. A. Schmidt, and R. J. Weldon II (2008), Compilation of surface creep on California faults and comparison of WG-07 deformation model to Pacific-North America plate motion, in The Uniform California Earthquake Rupture Forecast, Version 2, *USGS Open-File Report 2007-1437P*.
- Moran, S.C., Freymueller, J.T., LaHusen, R.A., McGee, K.A., Poland, M.P., Power, J.A., Schmidt, D.A., Schneider, D.J., Stephens, G., Werner, C.A., and R. A. White (2008), Instrumentation Recommendations for Volcano Monitoring at U.S. Volcanoes under the National Volcano Early Warning System, *USGS Scientific Investigations Report 2008-5114*, 47 p.
- Schmidt, D. A., and R. Bürgmann (2006), InSAR constraints on the source parameters of the 2001 Bhuj earthquake, *Geophys. Res Lett.*, 33, L022315, doi:10.1029/2005GL025109.
- Schmidt, D. A., Bürgmann, R., R. Nadeau, and d'Alessio (2005), The asiesmic slip-rate distribution on the Hayward fault inferred from seismic and geodetic data, *J. Geophys. Res.*, 110, B08406, doi:10.1029/2004JB003397.
- d'Alessio, M., I. A. Johanson, R. Bürgmann, D. A. Schmidt, and M. H. Murray (2005), Slicing up the San Francisco Bay Area: Block kinematics and fault slip rate from GPS-derived surface velocities, *J. Geophys. Res.*, 110, B06403, doi:10.1029/2004JB003496.

- Schmidt, D. A., and R. Bürgmann (2003), Time-dependent land uplift and subsidence in the Santa Clara valley, California, from a large interferometric synthetic aperture radar data set, *J. Geophys. Res.*, 108 (B9), 2416, doi: 10.1029/2002JB002267.
- Bürgmann, R., Schmidt, D., Nadeau, R. M., d'Alessio, M., Fielding, E., Manaker, D., McEvelly, T. V., and M. H. Murray (2000), Earthquake potential along the northern Hayward Fault, California, *Science*, 289, 1178-1182.

Reports and Data Products

- Aster, R. M. Simons, R. Burgmann, N. Gomez, W.C. Hammond, S. Holbrook, E. Chaussard, L. Stearns, G. Egbert, J. Hole, T. Lay, S. McNutt, M. Oskin, B. Schmandt, D. Schmidt, J. Vidale, L. Wagner, P. Winberry (2015), Future geophysical facilities required to address grand challenges in the Earth sciences, A Community report to the National Science Foundation.
- Schmidt, D. and R. Weldon (2007), Oregon Coast 2007 Campaign, UNAVCO, GPS Data Set, doi:10.7283/T5RR1WDR.
- Schmidt, D. and R. Weldon (2005), Oregon Coast 2005 Campaign, UNAVCO, GPS Data Set, doi:10.7283/T5N014PQ.

Funded Grants

- Chadwell, D., and D. Schmidt (recommended for funding, 2017-2020), Collaborative Research: Assessing the State of Locking on the Frontal Thrust of the Cascadia Subduction Zone with Seafloor Geodesy, NSF-MGG, \$50,640 (UW portion).
- Vidale, J., D. A. Schmidt, and W. Wilcock (2016-2018), An Offshore Geophysical Network Design for Earthquake and Tsunami Early Warning in the Pacific Northwest, Moore Foundation, \$1,000,000.
- Wilcock, W., D. A. Schmidt, and E. Roland (2016-2018), Collaborative: Constraints on interseismic deformation offshore Oregon from calibrated continuous pressure records, NSF-MGG, \$229,863 (UW portion).
- Vidale, J., D. A. Schmidt, and P. Bodin (2016-2017), MegaShake Alerts, Amazon Catalyst, \$300,000.
- Schmidt, D. A., X. Tong, and D. Sandwell (2015-2016), Develop InSAR LOS velocity maps for Southern California, Southern California Earthquake Center, \$27,997.
- Schmidt, D. A. (2013-2016), Constraints on slow slip behavior in Cascadia through the integration of PBO borehole strainmeters, GPS time series, and tremor locations, NSF-EarthScope, \$279,748.
- Roering, J. J., and D. Schmidt (2012-2015), Geomorphic change and hazard potential from landslides in a tectonically active landscape: Integrated investigations using InSAR, LiDAR, air photos, and ground-based studies, NASA: Earth Surface & Interior Program, \$399,309.
- Schmidt, D. A. (2012-2015), The detection and monitoring of volcanic deformation in the Cascades of the Pacific Northwest using InSAR, NASA: Geodetic Imaging, \$331,195.
- Rempel, A., and D. Schmidt (Sept 2011-2014), Slow slip at elevated pore pressures on brittle faults in a compliant subduction channel, NSF-Geophysics, \$257,468.
- Weldon, R. J., and D. A. Schmidt (April 2011-2012), Determining slip per event on the San Andreas fault from fold deformation at the Frazier Mountain site, USGS- National Earthquake Hazards Reduction Program, \$82,616.
- Schmidt, D. A., and R. J. Weldon (March 2011-2012), Evaluating the potential for long-term strain accumulation down-dip of the locked zone by quantifying the release of strain from slow slip on the Cascadia subduction zone, USGS- National Earthquake Hazards Reduction Program, \$78,189.
- Weldon, R. J., and D. A. Schmidt (June 2010-2011), RAPID: Observations of vertical deformation from tide time series for the 2010 slow slip event in Cascadia, NSF-EarthScope, \$48,443.
- Schmidt, D. A., R. J. Weldon, and D. Livelybrooks (April 2010-March 2011), Characterizing Time-Dependent Slow Slip on the Cascadia Subduction Zone from GPS, Strainmeters, and Tide Gauges, USGS- National Earthquake Hazards Reduction Program, \$77,325.

- Roering, J. J., and D. A. Schmidt (Sept 2009-Sept 2012), Sediment production via landsliding in the Waipaoa Basin, NZ: Temporal and spatial variability using InSAR, LiDAR, air photos, and Be-10, NSF- Margins Program, \$326,175.
- Weldon, R. J., and D. A. Schmidt (Dec 2008-Nov 2009), More accurate uplift rates for western Washington to constrain models of locking along the Cascadia subduction zone, USGS- National Earthquake Hazards Reduction Program, \$74,692.
- Roering, J. J., and D. A. Schmidt (2008-2011), Quantifying landslide movement over seasonal to millennial timescales: Coupled analyses using InSAR, airborne LiDAR, and cosmogenic radionuclides, NASA – Earth Surface and Interior Program, \$265,671.
- Toomey, D., D. Schmidt, E. Hooft, E. Humphreys, and J. Roering (March 2007-Feb 2009), Acquisition of a Computational Facility, Geological Sciences, University of Oregon, NSF- Instrumentation & Facilities (EAR-0651123), \$75,000.
- Schmidt, D. A. (Jul 2006- Jun 2011), CAREER: Global assessment of aseismic faulting: The search for a common mechanism among the world's faults, NSF- Career Program (EAR-0548272), \$459,320.
- Schmidt, D. A. (Feb 2006-Jan 2007), Interseismic strain near the San Bernardino and Coachella Valleys constrained by InSAR, Southern California Earthquake Center, \$15,000.
- Weldon, R. J., and D. A. Schmidt (Jan 2005-Dec 2007), Quantifying Cascadia's locked and transition zones with central Oregon leveling and tidal records, USGS- NEHRP (05HQGR0053), \$143,782.
- Schmidt, D. A. (Jan 2004-Dec 2006), Optimal Network Geometry for PBO, NSF–EarthScope Science (EAR-0346037), \$90,018.

Conference Abstracts (since 2003, * indicates student as lead presenter)

- Bayer*, B., D. Schmidt, A. Simoni, Alessandro, M. Mulas, L. Bertello, A. Corsini, Alessandro, and F. Bonacini, (2017), Optimizing the deformation signal caused by slow moving landslides in the Northern Apennines of Italy, Fringe 2017.
- Bayer*, B., A. Simoni, D. Schmidt, L. Bertello, and M. Berti (2016), Deformation responses of slow moving landslides to precipitation in the Northern Apennines (Italy), *Geophys. Res. Abs.*, 18, EGU2016-13096, EGU General Assembly 2016.
- Bennett, G., R. Roering, B. Mackey, A. Handwerger, B. Guillod, and D. Schmidt (2016), Geomorphic response to historic drought in Northern California, *Geophys. Res. Abs.*, 18, EGU2016-10247, EGU General Assembly 2016.
- Bennett, G., S. Miller, J. Roering, and D. Schmidt (2016), Landslides, threshold slopes, and the survival of relict terrain in the wake of the Mendocino Triple Junction, *Geophys. Res. Abs.*, 18, EGU2016-10330, EGU General Assembly 2016.
- Hall*, K., H. Houston, and D. Schmidt (2016), Spatial and Temporal Relationships between Tremor and Slip in 2010 Cascadia ETS, Abstract 94060, AGU Chapman Conference on Slow Slip Phenomena, Ixtapa, Mexico, February 21-25.
- Krogstad*, R., and D. Schmidt (2016), Evaluation of the Temporal and Spatial Relationship of Slip and Tremor during ETS events in Cascadia, Abstract 94175, AGU Chapman Conference on Slow Slip Phenomena, Ixtapa, Mexico, February 21-25.
- Schmidt, D., and H. Houston (2016), Cascadia Slow Slip Models Constrained by Tremor-Derived Slip Histories, Abstract 94174, AGU Chapman Conference on Slow Slip Phenomena, Ixtapa, Mexico, February 21-25.
- Tong, X., D. Sandwell, and D. Schmidt (2015), Interseismic deformation and creep along the Sumatran fault, Indonesia from InSAR time-series analysis, Abstract G23C-02 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 14-18 Dec.
- Tong, X., and D. Schmidt (2015), A survey of landslides activity in the Columbia River Gorge from InSAR, Abstract NH41B-1806 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 14-18 Dec.
- Hall*, K., H. Houston, and D. Schmidt (2015), Spatial and Temporal Relationships between Tremor and

- Slip in Cascadia, Abstract S31A-2720 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 14-18 Dec.
- Krogstad*, R., and D. Schmidt (2015), Assessing the updip spatial offset of tremor and slip during ETS events in Cascadia, Abstract S31A-2721 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 14-18 Dec.
- Han*, J., J. Vidale, D. A. Schmidt, K. C. Creager, and H. Houston (2015), Deep long-period earthquakes (DLPs) beneath Mount St. Helens, Abstract S51D-2722 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 14-18 Dec.
- Crowell, B. W., D. A. Schmidt, P. Bodin, J. E. Vidale, T. Melbourne, and V. Santillan (2015), The G-FAST geodetic earthquake early warning system: Operational performance and synthetic testing, Abstract S33B-2764 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 14-18 Dec.
- Vidale, J. E., J. R. Delaney, D. R. Toomey, P. Bodin, W. Wilcock, H. Houston, D. Schmidt, and R. Allen (2015), A real-time cabled observatory on the Cascadia subduction zone, Abstract T51D-2898 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 14-18 Dec.
- Welch*, M., and D. Schmidt (2015), Separating long-term deformation cycles and atmospheric signals at Mount St. Helens using PS-InSAR, Abstract G41A-1013 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 14-18 Dec.
- Hallet, B., A. Barker, and D. Schmidt (2015), The diverse important roles of permafrost and periglacial processes in shaping the highest mountains on earth, Abstract for GeoQuebec 2015 – the 68th Canadian Geotechnical Conference and the 7th Canadian Conference to the Permafrost, Quebec, Canada.
- Tong, X., and D. Schmidt (2014), Investigating Persistent and Distributed Scatterers to Better Resolve Low Amplitude Deformation with InSAR in Vegetated Terrains, Abstract G23B-0488 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.
- Schmidt, D., A. Barker, and B. Hallet (2014), The deformation of ice-debris landforms in the Khumbu region from InSAR, Abstract C44-04 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec. (oral)
- Welch*, M., and D. Schmidt (2014), An Investigation of pre-eruptive deformation for the 2004 eruption of Mount St. Helens using persistent scatterer interferometry, Abstract NH11A-3669 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.
- Bayer*, B., D. Schmidt, and A. Simoni (2014), Influence of the External DEM on PS-InSAR processing and results on Northern Apennine Slopes, Abstract NH11B-3690 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.
- Krogstad*, R., and D. Schmidt (2014), Characterizing the Relationship of Tremor and Slip During Recent ETS Events in Northern Cascadia using Strainmeters, GPS, and Tremor Observations, Abstract S53C-4513 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.
- Crowell et al. (2014), Synthetic testing of the Pacific Northwest earthquake early warning system, Abstract S41B-0480 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.
- Hudnut et al. (2014), The West Coast Earthquake Early Warning Global Navigation Satellite System Working Group, Abstract S32C-03 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.
- Bennett et al. (2014), Active Landsliding and Landscape Denudation in Response to Transient tectonic Uplift, Northern California, Abstract EP51G-03 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.
- Crowell, B. W., P. Bodin, D.S. Schmidt, and J.E. Vidale (2014), A Seismogeodetic Approach to Earthquake Early Warning in Cascadia, presented at the 3rd international Conference on Earthquake Early Warning, September 3-5, U.C. Berkeley, California.
- Krogstad*, R., and D. A. Schmidt (2014), Characterization of the August 2010 Cascadia ETS event using GPS, strainmeter, and tremor observations (2014), Vancouver, BC, Abstracts with Programs,

46, 6.

- Bennett, G., J. Roering, S. Miller, E. Kirby, and D. Schmidt (2014), Landslide response to rock uplift along the Mendocino Triple Junction, Northern California, Vancouver, BC, Abstracts with Programs, 46, 6.
- Schmidt, D.A., B. Hallet, and A. Barker (2014), Periglacial surface displacements of ice-debris landforms in the Khumbu Region from InSAR, Abstract presented at the 2nd International Conference on the Cryosphere of the HKH Region, ICIMOD, Kathmandu, Nepal, 13-16 May.
- Crowell, B. W., P. Bodin, J. E. Vidale, D. A. Schmidt, T. I. Melbourne, C. W. Scrivner, V. M. Santillan, W. M. Szeliga, S. E. Minson, Y. Bock, and D. Melgar (2013), Earthquake Early Warning using a Seismogeodetic Approach: An operational plan for Cascadia, Abstract S43C-06 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9-14 Dec.
- Krogstad*, R., and D. A. Schmidt (2013), Cross-validation of strainmeter observations in Cascadia using GPS and tremor-derived slip distributions, Abstract T41A-2554 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9-14 Dec.
- J.E. Vidale, S.D. Malone, A.J. Hotovec-Ellis, S.C. Moran, K.C. Creager, H. Houston, and D. A. Schmidt (2013), Deep long-period earthquakes west of the volcanic arc in Oregon: Direct evidence of fluid migration through the forearc mantle wedge, Abstract S21C-2436 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9-14 Dec.
- Handwerger*, A. L., J. J. Roering, and D. A. Schmidt (2013), Landslides that never go catastrophic: dynamics of self-regulating earthflows along the Eel River, CA, Abstract NH13D-05 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9-14 Dec.
- J.E. Vidale, D. Schmidt, S.D. Malone, A.J. Hotovec-Ellis, S.C. Moran, K.C. Creager, H. Houston (2013), Deep long-period tremors west of Oregon volcanic arc from forearc-mantle-wedge dehydration, *2013 SCEC Ann. Meet.*
- Krogstad*, R., Schmidt, D. A., Weldon, R. J., and R. J. Burgette (2012), Leveling, tide gauge and GPS constraints on decadal strain accumulation in the Cascadia slow slip zone, Abstract S42B-04 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.
- Burgette, R. J., Weldon, R. J., Schmidt, D. A., and T. B. Williams (2012), Constraints on interseismic locking along the southern Cascadia subduction zone from historic and recent leveling and sea level observations, Abstract T23E-2719 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.
- Roering, J. J., B. H. Mackey, D. A. Schmidt, A. L. Handwerger, A. M. Booth, and C. Cerovski-Darriau (2012), Tracking landslides and landscape evolution using airborne lidar, InSAR, historical air photos, cosmogenic radionuclides, and numerical models, Abstract EP52E-04 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.
- Handwerger*, A. L., J. J. Roering, and D. A. Schmidt (2012), Using airborne lidar and multi-temporal InSAR to explore the role of landslide geometry in controlling their response to seasonal precipitation, Abstract EP41C-0807 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.
- MacQueen*, P. G., K. Cashman, M. Poland, D. A. Schmidt, and G. Williams-Jones (2012), Using forward modeling to optimize the geometry of geophysical networks at the summit of Kilauea volcano: A matter of great gravity, presented at the AGU Chapman Conference on Hawaiian volcanoes: From source to surface, Waikoloa, HI, 20-24 August.
- Handwerger*, A., J. J. Roering, and D. A. Schmidt (2011), Using InSAR to Quantify Seasonal Fluctuations in Landslide Velocity, Eel River, Northern California, Abstract EP43C-0704 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.
- Alba*, S., R. J. Weldon, D. Livelybrooks, D. A. Schmidt, and R. Krogstad (2011), ETS Related Uplift and Strain Accumulation in Northern Cascadia from Tidal Records, Abstract S33C-08 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.

- Krogstad*, R., D. A. Schmidt, R.J. Weldon, and R. Burgette (2011), Net Strain accumulation in the slow slip zone along the Cascadia Subduction Zone constrained by leveling and tide gauge data, Abstract S23B-2283 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.
- Chen*, J., and D. A. Schmidt (2011), Constraining interseismic deformation of the Tibetan plateau using InSAR and GPS data, Abstract T51D-2368 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.
- Skarbek*, R. M., A. W. Rempel, and D. A. Schmidt (2011), Slow Slip Events in a 1-D Model of a Compliant Subduction Channel Shear Zone, Abstract S23B-2243 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.
- Schmidt, D. A., R. J. Weldon, R. Burgette, and R. Krogstad (2011), The distribution of interseismic locking on the Cascadia Subduction Zone constrained by leveling, tide gauge, and GPS data, Abstract G53C-05, presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec. (Invited)
- Schmidt, D. A. (2011), Bringing Student Research into the Classroom: An Example from a Course on Radar Interferometry, Abstract ED43B-0557 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.
- Dietterich*, H. R., D. A. Schmidt, M. P Poland, and K. V. Cashman (2010), Tracking lava flow emplacement on the east rift zone of Kilauea, Hawai'i with InSAR coherence, Abstract G23C-0834 presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.
- Chen*, J., and D. A. Schmidt (2010), Evaluating basal tractions as a mechanism of crustal rotation in the eastern syntaxis of the Tibetan plateau, Abstract T43B-2181 presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.
- Krogstad*, R., and D. A. Schmidt (2010), Strainmeter observations of the 2010 slow slip event in Cascadia: A critical look at noise, artifacts, and tectonic signals, Abstract S23A-2082 presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.
- Skarbek*, R. M., A. W. Rempel, and D. A. Schmidt (2010), Pore pressure evolution at the plate interface along the Cascadia subduction zone from the trench to the ETS transition zone, Abstract T13A-2158 presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.
- Vincent, P., R. J. Weldon, D. Livelybrooks, D. A. Schmidt, S. Alba, T. Maciel, J. Bug, and B. Croes (2010), Initial results from new Northern Cascadia tide gauge network, Abstract S23A-2113 presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.
- Handwerker*, A. L., D. A. Schmidt, and J. J. Roering (2010), Regional reconnaissance of seasonal landslide activity in the Eel River catchment, northern California, using InSAR and airborne LiDAR, Abstract NH23A-1422 presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.
- Riddick*, S. N., and D. A. Schmidt (2010), A Time Series Analysis of Volcanic Deformation near Three Sisters, Oregon, using InSAR, Abstract G23C-0839 presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.
- Alba*, S., Weldon, R. J., D. Livelybrooks, and D. A. Schmidt (2010), Cascadia Slow slip events found in water level changes at tidal stations, *Seism. Res. Letts.*, 81.
- Weldon, R.J. D.A. Schmidt, H. Gao, S. Alba, and D. Livelybrooks (2010), A comparison of the location of interseismic locking and slow slip events on the Cascadia Subduction zone, *Seism. Res. Letts.*, 81. (Invited)
- Schmidt, D. A., and H. Gao (2010), Documenting transient slip events in Cascadia with geodesy: Working towards a catalog of slow slip events, *Seism. Res. Letts.*, 81. (Invited)
- Schmidt, D. A., R. J. Weldon, and H. Gao (2009), Combining slow slip events, historical uplift, and contemporary geodesy to map interseismic strain along the central Cascadia Subduction Zone, *Eos, Vol. 90*, Number 52, 29 December 2009, Fall Meet. Suppl., Abstract U52A-02. (Invited)
- Alba*, S., R. Weldon, D. Livelybrooks, and D. A. Schmidt (2009), Absolute vertical uplift rates in western Washington inferred from historical leveling and tide gauge data, *Eos, Vol. 90*, Number 52, 29 December 2009, Fall Meet. Suppl., Abstract G33B-0649.

- Weldon, R. J., and D. Livelybrooks, and D. Schmidt (2009), Uplift associated with slop slip events on the Cascadia subduction zone resolved in tidal records, *Geol. Soc. Amer., Abstracts with Programs*, Vol. 41, No. 7, p. 702.
- Wisely*, B. A., and D. Schmidt (2009), Aquifer system compaction rates estimated for the Coachella Valley, California, using InSAR, groundwater level data, and drillers' logs, *Geol. Soc. Amer., Abstracts with Programs*, Vol. 41, No. 7, p. 175.
- Roering, J., B. Mackey, A. Booth, L. Stimely, and D. Schmidt (2009), Using Airborne LIDAR to characterize landslide morphology and dynamics, *Geol. Soc. Amer., Abstracts with Programs*, Vol. 41, No. 7, p. 379
- Schmidt, D., M. Calabro, L. Stimely, and J. Roering (2009), Regional Earthflow Activity and Seasonal Downslope Kinematics Constrained by InSAR: Examples From California and New Zealand, 3rd ALOS Joint Symposium; 2009 Nov 9-13, Kona, HI.
- Gao*, H., and D. A. Schmidt (2008), The Slip History and Source Statistics of Major Slow Slip Events along the Cascadia Subduction Zone from 1998 to 2008, *Eos Trans. AGU*, 89(53), Fall Meet. Suppl., Abstract U33A-0021.
- Schmidt, D., and B. Philibosian (2008), Fault Coupling Between Seismicity Streaks on Strike-Slip Faults: Using the Separation Distance Between Streaks as an Indicator of Coupling, *Eos Trans. AGU*, 89(53), Fall Meet. Suppl., Abstract S21B-1807.
- Stimely*, L. L., B. H. Mackey, J. J. Roering, and D. A. Schmidt (2008), Quantifying Landslide Movement at the Boulder Creek Earthflow Using L-band InSAR, *Eos Trans. AGU*, 89(53), Fall Meet. Suppl., Abstract H43I-04.
- Schmidt, D., and H. Gao (2008), Assessment of Slow Slip Events on the Cascadia Subduction Zone, 1998-2008, 7th US-Japan Natural Resources Panel on Earthquake Research, Abstract Volume and Technical Program, *USGS Open-File Report 2008-1335*, 76-77. (Invited)
- Gao*, H., and D. A. Schmidt (2008), The Slip History of Slow Slip Events along the Cascadia Subduction Zone from 1998 to 2008, 2008 *SCEC Ann. Meet., Proc. and Abs.*, 18, 149.
- Schmidt, D. A., R. Burgette, and R. Weldon (2007), The Distribution of Interseismic Locking on the Central Cascadia Subduction Zone Inferred From Coastal Uplift Rates in Oregon, *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract T52A-04.
- Burgette*, R. J., R. J. Weldon, and D. A. Schmidt (2007), A More Accurate Vertical Velocity Field for Coastal Oregon Reveals Variations in Extent of Locking on the Cascadia Subduction Zone, *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract G52A-01. (Invited)
- Calabro*, M., D. Schmidt, J. Roering, and R. Douglas (2007), Spatial and Temporal Characterization of the Portuguese Bend Landslide, California, Using InSAR, *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract G53A-07.
- Daula, C., R. Bürgmann, S. Jade, T. Kato, S. Likhar, D. C. Reddy, D. A. Schmidt, and P. S. Sunil (2007), Postseismic deformation of the 2001 Bhuj earthquake from GPS, Gravity and InSAR data, *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract G13A-0923.
- Moran, S.C., Freymueller, J.T., LaHusen, R.A., McGee, K.A., Poland, M.P., Power, J.A., Schmidt, D.A., Schneider, D.J., Werner, C., and White, R.A. (2007), Instrumentation requirements for improving monitoring capabilities at U.S. volcanoes: Cities on Volcanoes 5 conference, abstract #12-O-2, Abstracts Volume p. 62.
- Wisely*, B. A., and D. Schmidt (2007), The Characterization of aquifer deformation in regions of active tectonics using InSAR and well level data: A case study for San Bernardino basin, California, 2007 *GSA Ann. Meet.*
- Schmidt, D. A. (2007), Observations of the Recent Slow Slip Events in Cascadia Captured by the PBO Strainmeters, *Seism. Res. Letts.*, 78, 2, 267. (Invited)
- Gao*, H., and D. A. Schmidt (2006), The Slip History of the 2004 Slow Slip Event on the Northern Cascadia Subduction Zone, *EOS Trans. AGU*, 87 (52), Fall Meet. Suppl., Abstract T41A-1540.

- Schmidt, D. A. (2006), The 2005 Cascadia ETS Event Inferred From PBO Tensor Strainmeters and GPS, *EOS Trans. AGU*, 87 (52), Fall Meet. Suppl., Abstract T41A-1545.
- Weldon, R. J., R. J. Burgette, and D. A. Schmidt (2006), Along-Strike Variation in Locking on the Cascadia Subduction Zone, Oregon and Northern California, *EOS Trans. AGU*, 87 (52), Fall Meet. Suppl., Abstract T41A-1556.
- Wisely*, B. A., and D. A. Schmidt (2006), Geodetic constraints on vertical tectonic deformation in the Coachella and San Bernardino Valleys from InSAR and well level data, *EOS Trans. AGU*, 87 (52), Fall Meet. Suppl., Abstract G23B-1274.
- Schmidt, D. A. (2006), Comparative Study of Recent Aseismic Slip Events on the Cascadia Subduction Zone From GPS, US-Japan Research Panel on Earthquake Research, Tokushima, Japan, Abstract with Program. (Invited)
- Wisely*, B. A., and D. Schmidt (2006), Comparison and analysis of InSAR and well level data for the Coachella and San Bernardino Valleys, CA, SCEC Ann. Meet., Sept. 9-14, v. 16, 180.
- Wisely*, B. A., and D. Schmidt (2005), Subsidence and differential surface movement in the upper Coachella valley, California, as indicated by InSAR, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract G51C-0843.
- Schmidt, D. A., and R. Bürgmann (2005), InSAR constraints on the kinematics and magnitude of the 2001 Bhuj earthquake, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract G51C-0846.
- Burgette*, R. J., R. J. Weldon, D. Livelybrooks, D. A. Schmidt, S. K. Alba, and B. A. Wisely (2005), Constraints on the Extent of Subduction Zone Locking Along the Central Oregon Coast From Leveling and Sea Level Observations, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abst. S51C-1017.
- Funning, G. J., R. Bürgmann, A. Ferretti, F. Novali, and D. A. Schmidt (2005), Kinematics, asperities and seismic potential of the Hayward fault, California from ERS and RADARSAT PS-InSAR, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract G51C-0840.
- Schmidt, D. A., Bürgmann, R., R. Nadeau, and d'Alessio (2005), Distribution of Aseismic Slip Rate on the Hayward Fault Inferred From Seismic and Geodetic Data, Chapman Conference on Radiated Energy and the Physics of Earthquake Faulting, 15 June 2005, Portland, ME.
- Schmidt, D. A., and R. Bürgmann (2005), InSAR time series of land uplift and subsidence in the Santa Clara Valley, G. S. A. Abstracts with Programs, 37, 4, 58.
- Schmidt, D. A., Freed, A., and R. Bürgmann (2004), InSAR Observations of time-dependent postseismic deformation in the Mojave Desert: Resolving tectonic from non-tectonic processes, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract G13A-0791.
- Schmidt, D. A., and P. Segall (2004), PBO network performance for Cascadia, UNAVCO, Inc. 2004 Annual Meeting, Boulder, Colorado.
- Schmidt, D. A., and R. Bürgmann (2003), Time-dependent land uplift and subsidence in the Santa Clara Valley, California, *Eos Trans. AGU*, 84 (46), Fall Meet. Suppl., Abstract G41A-01. (Invited)
- Schmidt, D. A., Murray, J., and P. Segall (2003), Expected performance of the proposed PBO network from numerical simulations, *Eos Trans. AGU*, 84 (47), Fall Meet. Suppl., Abstract G32C-02.

Invited Presentations (since 2003)

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|---|------|
| Marine Geology & Geophysics Seminar, University of Washington, Seattle, WA | 2016 |
| <i>Title: Slow Slip Processes in Cascadia- New Approaches for Integrating Geodetic and Tremor Data Sets</i> | |
| IGPP, Scripps Inst. of Oceanography, UC San Diego | 2015 |
| <i>Title: The Silent Life and Quivering Fits of the Cascadia Subduction Zone (EarthScope Speaker)</i> | |
| University of Iowa, Department of Earth and Environmental Sciences | 2015 |
| <i>Title: The Silent Life and Quivering Fits of the Cascadia Subduction Zone (EarthScope Speaker)</i> | |
| Idaho State University, Department of Geosciences | 2015 |
| <i>Title: The Silent Life and Quivering Fits of the Cascadia Subduction Zone (EarthScope Speaker)</i> | |
| California State University, Chico, Geological and Environmental Sciences | 2015 |
| <i>Title: The Silent Life and Quivering Fits of the Cascadia Subduction Zone (EarthScope Speaker)</i> | |

Saint Louis University, Department of Earth and Atmospheric Sciences	2015
<i>Title: The Silent Life and Quivering Fits of the Cascadia Subduction Zone (EarthScope Speaker)</i>	
Grand Valley State University, Geology Department	2015
<i>Title: The Silent Life and Quivering Fits of the Cascadia Subduction Zone (EarthScope Speaker)</i>	
Seismology Seminar, Pacific Northwest Seismology Network, University of Washington	2014
<i>Title: Periglacial surface displacements of ice-debris landforms in the Khumbu Region from InSAR</i>	
Department of Geological Sciences and Engineering, University of Nevada, Reno	2014
<i>Title: The Interseismic Accumulation and Transient Release of Strain on the Cascadia Subduction Zone</i>	
Berkeley Seismology Laboratory Seminar, UC Berkeley, CA	2014
<i>Title: The Interseismic Accumulation and Transient Release of Strain on the Cascadia Subduction Zone</i>	
Seismology Seminar, Pacific Northwest Seismology Network, University of Washington	2013
<i>Title: An Overview of Deformation in the Cascade Arc</i>	
Earthquake Engineering Research Institute Annual Meeting, Seattle, WA	2013
<i>Title: Constraining the earthquake source region on the Cascadia Subduction Zone</i>	
Cascadia Earthquakes and Critical Infrastructure, Bureau of Reclamation, Corvallis	2012
<i>Title: Accumulation and release of interseismic strain on the Cascadia Subduction Zone</i>	
CIG Crustal Deformation Modeling Workshop, Colorado School of Mines, CO	2012
<i>Title: Constraints on slow slip events from geodetic observations</i>	
University of Washington, Offshore Geodetic Workshop, Ocean Sciences, Seattle, WA	2012
<i>Title: Known and unknown deformation sources in the offshore environment of Cascadia</i>	
University of Washington, Departmental Seminar, Earth & Space Sciences, Seattle, WA	2012
<i>Title: Making sense of slow slip on subduction zones: Insights from geodetic observations</i>	
UO Freshmen Honors Seminar, University of Oregon	2012
<i>Title: Interpretations of a restless planet: the study of crustal deformation</i>	
Central Washington University, Departmental Seminar, Ellensburg, WA	2011
<i>Title: The accumulation and release of strain on the Cascadia plate interface: Slow slip and the seismogenic zone</i>	
University of Washington, Departmental Seminar, Seattle, WA	2008
<i>Title: Reanalysis of the Oregon Cascadia uplift data and a new model for locking on the subduction zone</i>	
US Geological Survey, Earthquake Hazards Group, Menlo Park	2008
<i>Title: Interseismic strain and slip transients on the Cascadia subduction zone</i>	
National Earthquake Prediction Evaluation Council, USGS, Portland, OR	2007
<i>Title: Recent slow slip events on the Cascadia subduction zone inferred from GPS</i>	
Oregon State University, Marine Geology and Geophysics, OR	2007
<i>Title: The evolution of slow slip events on the Cascadia subduction zone</i>	
PANGA Community Workshop, CVO, Vancouver, WA	2005
<i>Title: Strainmeter network design in the PNW</i>	
Oregon State University, Geologic Sciences, OR	2004
<i>Title: The aseismic slip rate distribution on the Hayward Fault</i>	
Cascades Volcano Observatory, USGS, Vancouver, WA	2004
<i>Title: What can we expect for PBO? Network performance from numerical simulations</i>	
UO Freshmen Honors Seminar, University of Oregon	2004
<i>Title: Geophysics and the study of earthquakes</i>	
UNAVCO Inc., PBO Transform Working Group, Boulder, CO	2003
<i>Title: Expected network performance along the San Andreas Fault</i>	
US Geological Survey, Earthquake Hazards Group, Menlo Park	2003
<i>Title: Performance of the proposed PBO network from numerical simulations</i>	
Stanford University, Geomechanics Seminar	2003
<i>Title: The aseismic slip-rate distribution on the Hayward fault</i>	
Santa Clara Valley Water District, Engineering and Groundwater Groups	2003
<i>Title: InSAR observations of land subsidence in the Santa Clara Valley</i>	

Conferences and Workshops Attended (since 2003)

American Geophysical Union Fall Conference, San Francisco, CA (<u>Invited Speaker</u>)	2016
2016 UNAVCO Science Workshop, Broomfield, CO	2016

AGU Chapman Conference on Slow Slip Phenomena, Ixtapa, Mexico	2016
American Geophysical Union Fall Conference, San Francisco, CA	2015
Future Seismic and Geodetic Facility Needs in the Geosciences, Leesburg, VA	2015
Investigating Cascadia Through Scientific Ocean Drilling, Seattle, WA	2015
American Geophysical Union Fall Conference, San Francisco, CA	2014
NISAR Applications Workshop: Linking Mission Goals to Societal Benefit, Reston, VA	2014
The Future of PBO in the GAGE Facility, Breckenridge, CA	2014
3 rd Intl. Conf. on Earthquake Early Warning, UC Berkeley, CA	2014
Cryosphere of the Hindu Kush Himalaya, ICIMOD, Kathmandu, Nepal (<u>Invited Speaker</u>)	2014
American Geophysical Union Fall Conference, San Francisco, CA	2013
Science Communication Training, College of the Environment, UW (<u>Invited Attendee</u>)	2013
GeoPRISMS Planning Workshop, Wellington, New Zealand	2013
EERI Annual Meeting, Seattle, WA (<u>Invited Speaker</u>)	2013
Cascadia Earthquakes and Critical Infrastructure, Corvallis, OR (<u>Invited Speaker</u>)	2012
CIG Crustal Deformation Modeling Workshop, Colorado Springs, CO (<u>Invited Speaker</u>)	2012
Workshop on Seafloor Geodesy for Cascadia, Seattle, WA (<u>Invited Speaker</u>)	2012
USGS Workshop on Seismic Hazards of the PNW, Seattle, WA (<u>Invited Speaker</u>)	2012
American Geophysical Union Fall Conference, San Francisco, CA	2012
USGS Workshop on the Cascadia Locked Zone, Eugene, OR (<u>Invited Speaker</u>)	2011
American Geophysical Union Fall Conference, San Francisco, CA (<u>Invited Speaker</u>)	2011
IODP Workshop: Using ocean drilling to unlock the secrets of slow slip events, Gisborne, NZ	2011
American Geophysical Union Fall Conference, San Francisco, CA	2010
EarthScope Institute on the Spectrum of Fault Slip Behaviors, Portland, OR	2010
Seismological Society of America, Annual Meeting, Portland, OR (<u>Invited Speaker</u>)	2010
UNAVCO, Inc., Science Workshop, Boulder, CO	2010
American Geophysical Union Fall Conference, San Francisco, CA (<u>Invited Speaker</u>)	2009
3 rd ALOS Joint PI Symposium, Kona, HI	2009
Margins Source-2-Sink Workshop, Gisborne, New Zealand	2009
Regional Workshop, ETS and Tremor in Cascadia, Seattle, WA	2009
American Geophysical Union Fall Conference, San Francisco, CA	2008
7 th US-Japan Research Panel on Earthquake Research, Seattle, WA (<u>Invited Speaker</u>)	2008
UNAVCO, Inc., Science Meeting, Boulder, CO	2008
American Geophysical Union Fall Conference, San Francisco, CA	2007
Seismological Society of America Annual Meeting, Kona, HI (<u>Invited Speaker</u>)	2007
American Geophysical Union Fall Conference, San Francisco, CA	2006
6 th US-Japan Research Panel on Earthquake Research, Tokushima, Japan (<u>Invited Speaker</u>)	2006
UNAVCO Strainmeter Data Workshop, Boulder, CO (<u>Invited Speaker</u>)	2006
SCEC Annual Meeting, Palm Springs, CA	2006
PANGA Community Workshop, Eugene, OR	2006
American Geophysical Union Fall Conference, San Francisco, CA	2005
PBO Strainmeter Workshop, Boulder, CO	2005
GSA Cordilleran Section, San Jose, CA	2005
AGU Chapman Conference, Portland, ME	2005
UNAVCO/IRIS Joint Science Workshop, Portland, OR	2005
PANGA Community Workshop, CVO, Vancouver, WA	2005
American Geophysical Union Fall Conference, San Francisco, CA	2004
InSAR Community Workshop, Oxnard, CA	2004
UNAVCO, Inc. Annual Science Meeting, Boulder, CO	2004
PANGA Community Workshop, Vancouver, B.C.	2004
American Geophysical Union Fall Conference, San Francisco, CA	2003

Professional Memberships and Organizations

American Geophysical Union

Seismological Society of America
UNAVCO
WInSAR

Postdocs Advised

Xiaopeng Tong (Univ. Washington, Postdoctoral Fellow, 2014-2016)

Research Topic: InSAR in the Cascades

Georgina Bennett (Univ Oregon, Postdoctoral Fellow, 2013-2015, co-advised with J. Roering)

Research Topic: Mapping of landslides in Northern California using remote sensing

Graduate Students Advised

Erik Frederickson (Univ Washington, Ph.D. Candidate, co-advised with W. Wilcock)

Thesis Topic: Tectonic transients in seafloor pressure gauges

Carolyn Nuyen (Univ Washington, Ph.D. Candidate)

Thesis Topic: Searching for long-duration slow slip events

Benedikt Bayer (Univ of Bologna, Visiting Graduate Student, 2014, co-advised with A. Simoni)

Thesis Topic: Using InSAR to study slope failures in the Apennines, Italy

Kelley Hall (Univ Washington, Ph.D. Candidate, co-advised with H. Houston)

Thesis Topic: Imaging slow slip events in Cascadia using GPS

Mark Welch (Univ Washington, MS 2016)

Thesis Topic: PS-InSAR on Mt. St. Helens

Randy Krogstad (Univ Oregon, Ph.D. 2016)

Thesis Topic: Kinematic Constraints on tremor & slow slip in Cascadia, & implication for fault properties

Alex Handwerker (Univ Oregon, Ph.D., 2015, co-advised with J. Roering)

Thesis Topic: Mapping Eel River earthflows using InSAR

Rob Skarbeck (Univ Oregon, Ph.D, 2015, co-advised with A. Rempel)

Thesis Topic: Pore pressure constraints on Slow Slip

Beth Wisely (Univ Oregon, Ph.D., 2012)

Thesis Title: Geophysical and Hydrogeologic Investigations of Two Primary Alluvial Aquifers Embedded in the Southern San Andreas Fault System: San Bernardino Basin and Upper Coachella Valley

Haiying Gao (Univ Oregon, Ph.D., 2011, co-advised with G. Humphreys)

Thesis Topic: Aseismic slip processes and tomography in the Pacific Northwest

Susan Riddick (Univ Oregon, MS, 2011)

Thesis Title: A Time Series Analysis of Volcanic Deformation near Three Sisters, Oregon, using InSAR

Laura Stimely (Univ Oregon, MS, 2009, co-advised with J. Roering)

Thesis Title: Characterizing Landslide Movement at the Boulder Creek Earthflow using L-band InSAR

Max Calabro (Univ Oregon, MS, 2008, co-advised with J. Roering)

Thesis Title: An Examination of Surface Displacement at the Portuguese Bend Landslide, Southern California, Using Radar Interferometry

Undergraduate Students Advised

Dylan Jamison (2014, co-advised with Joan Gomberg)

Zi Xian Leong (2015-2016)

Neng Xiong (2015-2016)

Patricia McQueen (2010, co-advised with Kathy Cashman)