

A9. MARGINS and GeoPRISMS DLP Speakers

Year	Speaker	Initiative(s)	Lecture Titles
2015-2016	Laura Wallace	SCD	<p>Public Lecture: The slow slip revolution: Leading to a better understanding of earthquakes</p> <p>Technical Lecture: Sticky or Slippery? Controls on subduction megathrust behavior at the Hikurangi subduction margin, New Zealand</p>
2015-2016	Beatrice Magnani	RIE	<p>Public lecture: The legacy of ancient plate boundaries in continental intraplate deformation</p> <p>Technical lecture: From plate boundary to intraplate: understanding the role of paleotectonic structures in continental intraplate deformation</p>
2014-2015 2015-2016	Elizabeth Cottrell	SCD	<p>Public Lecture: Volcanoes: Windows to the Deep</p> <p>Technical Lecture: Oxygen Cycling Through Subduction Zones and The Generation of Continents</p> <p>Schools visited: The Community College of Baltimore County, Drexel University, IMax Theater, Challenger Learning Center of Tallahassee, Fl, Florida State University, University of Vermont</p>
2014-2015 2015-2016	Bradley Hacker	SCD	<p>Public Lecture: Earth's Tempo: The Bleeding Edge of Geochronology</p> <p>Technical Lecture: Differentiation of the Continental Crust by Relamination</p> <p>Schools visited: UMASS Amherst, University of Connecticut, University of Wisconsin Oshkosh, University of New Hampshire</p>
2014-2015 2015-2016	Andy Nyblade	RIE	<p>Public lecture: The Formation of the Great Rift Valley in East Africa: Is there a Connection with Human Origins?</p> <p>Technical lecture: Cenozoic Rifting, Plateau Uplift, and Volcanism in Eastern Africa and the African Superplume</p> <p>Schools visited: University of California San Diego, Scripps Institution, Utah Valley University, Southern Methodist University</p>
2014-2015 2015-2016	Robert Stern	SCD	<p>Public Lecture: Geoscientific Investigations of the Southern Mariana Trench and the Challenger Deep</p> <p>Technical Lecture: Subduction Zones, the Subduction Factory, and three MARGINS Mini-Lessons Designed for Undergraduates</p> <p>Schools visited: Kansas State University, University of Iowa (Nov 2015), Dickinson State University</p>

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2014-2015	Richard Allen	SCD	<p>Public Lecture: When Plates Collide: Imaging the roots of Cascadia's volcanoes</p> <p>Technical Lecture: The Cascadia Enigma: Probing the structure of a silent subduction zone</p> <p>Schools visited: University of Oregon, California State University, Chico, University of Wisconsin – River Falls, University of Maine</p>
2013-2014 2014-2015	Josh Roering	SCD	<p>Public Lecture: Are mountains like giant sandpiles?: How landslides, earthquakes, and big floods shape steep terrain and control sediment dispersal</p> <p>Technical Lecture: Limits to life's role in landscape evolution: Physical, chemical, and biological drivers of erosion along continental margins</p> <p>Schools visited: Rutgers University, New Brunswick (postponed), Colorado State University, University of California, Berkeley, Wesleyan University, Kent State University, Queens College, LDEO, Columbia University, Lawrence University</p>
2013-2014 2014-2015	Rebecca Bendick	RIE	<p>Public Lecture: How continents challenge the theory of plate tectonics</p> <p>Technical Lecture: Tectonic deformation in continents: combining geophysical data and numerical simulations for constraints, bounds, and (limited) insights</p> <p>Schools visited: Michigan State University, Wayne State University, University of Southern California, Portland State University, Saint Louis University, Austin Peay State University, Colorado School of Mines, University of Arkansas</p>
2013-2014 2014-2015	Kyle Straub	RIE	<p>Public Lecture: Stratigraphy: A flawed record of Earth's history, but the best one we have</p> <p>Technical Lecture: Process controls on stratigraphic completeness and basin filling sedimentation patterns along passive margins</p> <p>Schools visited: University of Nevada, Reno, University of California, Riverside, University of Oklahoma, University of St. Thomas, University of Delaware, Cincinnati Museum Center, University of Cincinnati, University of Texas Pan American</p>
2013-2014	Jeff McGuire	SCD	<p>Public Lecture: Earthquakes and strain release in the Cascadia subduction zone: What have we learned?</p> <p>Technical Lecture: 20,000 foreshocks under the sea: Studying complete seismic cycles on East Pacific Rise transform faults</p> <p>Schools visited: University of Wisconsin, Madison, Carleton College, McGill University, Appalachian State University</p>

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2012-2013 2013-2014	Heather Deshon	SCD	<p>Public Lecture: Great earthquakes and new insights into subduction seismogenesis</p> <p>Technical Lecture: Using seismic topography to image subduction systems: Applications to Costa-Rica, Nicaragua and Sumatra</p> <p>Schools visited: New Mexico Institute of Mining and Technology, Trinity University, Midwestern State University, Humboldt State University, University of Alabama, Georgia Southwestern State University, Central Washington University, University of Washington</p>
2012-2013 2013-2014	Craig Manning	SCD	<p>Public Lecture: Going Deep: New Insights into Subduction Zone Fluids</p> <p>Technical Lecture: What's so Super about Supercritical Fluids?</p> <p>Schools visited: Colorado College, Case Western Reserve University, Ohio State University, Miami University of Ohio, Lafayette College, Indiana University, SUNY Oswego, Pennsylvania State University</p>
2012-2013 2013-2014	Tyrone Rooney	RIE	<p>Public Lecture: Continental Rifting and its role in shaping of the world we live in today</p> <p>Technical Lecture: From initiation to termination – the critical role of magma in rift evolution</p> <p>Schools visited: Michigan Technological University, City College of New York, University of Idaho, University of Florida, Syracuse University, New Mexico State University, Oklahoma State University, University of Alaska Fairbanks</p>
2012-2013 2013-2014	Chris Scholz	RIE	<p>Public Lecture: Climate Change and Human Origins: New Discoveries through Scientific Drilling in East Africa's Great Rift Valley</p> <p>Technical Lecture: Comparative Sedimentary Architecture of Magmatic versus Amagmatic Continental Rifts: Case Studies from East Africa</p> <p>Schools visited: Mercyhurst University, National Museum of Natural History, Smithsonian Institution, Ohio University, Rider University, College of Charleston, Emory University, Florida Atlantic University, University of South Carolina</p>
2012-2013	Magali Billen	SCD	<p>Public Lecture: Going down fighting: Deformation and Destruction of Sinking Tectonic Plates</p> <p>Technical Lecture: From the Outer Rise to the Transition zone: Observations and models of Plate and Mantle Deformation During Subduction</p> <p>Schools visited: Oregon State University, University of South Dakota, University of Minnesota, University of Kentucky</p>

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2011-2012 2012-2013	Harm van Avendonk	RIE	Public Lecture: The Life Cycle of Rifted Margins. Technical Lecture: Extension of Continental Crust at the Eastern Grand Banks, Newfoundland. Schools Visited: Louisiana State University, California University of Pennsylvania, Carnegie Science Center – Pittsburgh, Northern Illinois University, University of Hawaii, University of Memphis, University of Massachusetts Amherst
2011-2012 2012-2013	Geoff Abers	SCD	Public Lecture: How Water Deep in the Earth Controls Earthquakes and Volcanoes. Technical Lecture: Imaging with Geophysics: The Heat and Water Cycling in Modern Subduction Zones. Schools Visited: Fort Hays State University, Northwest Missouri State University, University of Arizona, University of Colorado, Boulder, The University of Tulsa, California State University Northridge, University of California, Santa Cruz, US Geological Survey, Menlo
2011-2012 2012-2013	Katie Keranen	RIE	Public Lecture: Controls on Continental Breakup: Understanding Active Processes Along the East. Technical Lecture: Extension Beyond the Rift Boundaries: Magmatism, Heat, and Depth-Dependent Deformation in Ethiopia. Schools Visited: Carleton College, University of Northern Iowa, Idaho State University, University of Nevada Las Vegas, University of Texas at Arlington, California State University Fresno
2011-2012	John Swenson	S2S	Public Lecture: Holocene Evolution of the Waipaoa Fluvio-Deltaic System: A Source-To-Sink. Technical Lecture: Predictive Models for Avulsion Frequency and Lobe Dimensions on Wave-Influenced Deltas. Schools Visited: Indiana University of Pennsylvania
2011-2012	Steve Holbrook	SCD	Public Lecture: Arcs, Continents, and the Andesite Paradox. Technical Lecture: The Subduction Sponge: Mantle Serpentinization in the Downgoing Plate. Schools Visited: Marshall University, Texas Tech University, Utah State University, Virginia Tech
2011-2012	Alison Shaw	SCD	Public Lecture: Subduction and the Earth's Deep Carbon Cycle. Technical Lecture: The Chemical Consequences of Slab Dehydration Across Subduction Zones. Schools Visited: Bryn Mawr, State University of New York, Stony Brook, Cornell University

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2010-2011 2011-2012	Peter van Keken	SCD	<p>Public Lecture: When earth attacks: why an old planet causes volcanoes and earthquakes.</p> <p>Technical Lecture: Dynamics of subduction zones and the recycling of water to the deep Earth.</p> <p>Schools Visited: University of Texas at Dallas, Texas A & M, Galveston, University of South Florida, Rutgers University, UC Davis, Stanford University, Grand Valley State University, Rensselaer Polytechnic Institute</p>
2010-2011 2011-2012	Paul Umhoefer	RIE/ RCL	<p>Public Lecture: Lessons for understanding ancient mountain belts from the modern Gulf of California.</p> <p>Technical Lecture: How Plate Tectonics works in the southern Gulf of California: a rapid birth in a hot setting.</p> <p>Schools Visited: Oklahoma State, University of North Texas, University of Houston, University of the Pacific, California State University, Fullerton, Chapman College, UC Santa Barbara</p>
2010-2011	Emily Brodsky	SEIZE	<p>Public Lecture: Seismic Waves that Trigger Earthquakes.</p> <p>Technical Lecture: The interaction between fault zone structure and rheology.</p> <p>Schools Visited: New Mexico Tech, New Mexico State, Fort Lewis College, San Francisco State</p>
2009-2010 2010-2011	Chris Goldfinger	SEIZE	<p>Public Lecture: Great Submarine Earthquakes, the Riddle of the Sands.</p> <p>Technical Lecture: Earthquake Recurrence, Segmentation, and Stress Triggering on the Cascadia Margin.</p> <p>Schools Visited: Duke University, University of Maryland, University of Idaho, James Madison University, Central Washington University, U of Puget Sound, U of Washington</p>
2009-2010 2010-2011	Becky Dorsey	RCL/ RIE	<p>Public Lecture: The Secret Life of Basins: A Stratigraphic Record of the Southern San Andreas Fault.</p> <p>Technical Lecture: Crustal recycling along an oblique-divergent plate boundary: from the Colorado Plateau to the Salton Trough and Gulf of California.</p> <p>Schools Visited: Cal Poly Pomona, UCLA, CSU Fresno, UC Santa Cruz, University of New Mexico, University of Oklahoma, University of Wyoming</p>
2009-2010 2010-2011	Katherine Kelley	SCD/ SF	<p>Public Lecture: The volatile story of subduction zone volcanism.</p> <p>Technical Lecture: The role of water in mantle melting and mass transfer processes at subduction zones.</p> <p>Schools Visited: University of Buffalo, Syracuse University, Western Washington, Oregon State University, University of Iowa, University of Minnesota, University of Missouri</p>

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2009-2010 2010-2011	Rudy Slingerland	S2S	<p>Public Lecture: How River Deltas Work: The Patterns and Dynamics of Distributive Fluvial Systems.</p> <p>Technical Lecture: Building a Continental Shelf One Grain at a Time.</p> <p>Schools Visited: Illinois State, Winona State, Michigan State, Georgia Southern University, Indiana University of PA, Tulane University, U of New Orleans</p>
2008-2009 2009-2010	Donna Shillington	RCL	<p>Public Lecture: Recipe(s) for continental breakup.</p> <p>Technical Lecture: An abrupt along-strike transition from magma-poor to magma-rich rifting in the eastern Black Sea.</p> <p>Schools Visited: Kutztown University, TAMU, U of Kentucky, Arizona State University, Marshall University, Miami University, Northern Illinois University</p>
2008-2009	Greg Hirth	SEIZE	<p>Public Lecture: Understanding earthquakes processes at the microscopic scale.</p> <p>Technical Lecture: The rheology of real rocks.</p> <p>Schools Visited: Texas Tech University, University of Texas at El Paso, Utah State University, Cal State Northridge, CICESE, SDSU, UCSB</p>
2008-2009 2009-2010	Tim Dixon	SEIZE	<p>Public Lecture: Unraveling Earth's Largest Earthquakes Using Space Techniques</p> <p>Technical Lecture: Comparing Short and Long Term Deformation as Recorded by Geodesy and Geology.</p> <p>Schools Visited: Dickinson College, PSU, Randolph College, Miami-Dade College, Calvin College, Michigan Tech University, Northwestern University, University of Wisconsin</p>
2008-2009	David Mohrig	S2S	<p>Public Lecture: Application of Earth Science and Engineering to Maintenance of the Mississippi River Delta.</p> <p>Technical Lecture: Comparing the Evolutions of Lowland Rivers and Submarine Channels.</p> <p>Schools Visited: Indiana University, Indiana-Purdue University, Fort Wayne, Indiana-Purdue University, Indianapolis</p>
2008-2009 2007-2008	Pat Wiberg	S2S	<p>Public Lecture: Transport and fate of DDT on the Palos Verdes shelf, CA: a source-to-sink story.</p> <p>Technical Lecture: Formation and preservation of event-scale stratigraphy in the coastal ocean.</p> <p>Schools Visited: Idaho State University, Montana Tech, Willamette University, UMD Center for Env. Science, FIU, UNC at Wilmington, University of Pittsburgh, Vanderbilt University</p>

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2008-2009 2009-2010	Simon Klemperer	SF	<p>Public Lecture: Building continental crust in the Subduction Factory.</p> <p>Technical Lecture: Crustal structure and evolution of the Mariana intra-oceanic island arc.</p> <p>Schools Visited: Colorado State University, Southern Methodist University, University of Arizona, Chapman University, UC Riverside, University of Montana</p>
2007-2008	John Hopper	RCL	<p>Public Lecture: Massive volcanism during Earth's history from breaking continents apart.</p> <p>Technical Lecture: The Newfoundland-Iberia Rift System: Insights into crust and mantle processes of breakup and early seafloor spreading.</p> <p>Schools Visited: Case Western Reserve University, Colorado School of Mines, University of Miami, University of Tennessee</p>
2007-2008 2006-2007	Daniel Lizarralde	RCL	<p>Public Lecture: Different ways continents tear apart.</p> <p>Technical Lecture: Controls on extensional style: magma, slab windows, sediment, and geology in the Gulf of California.</p> <p>Schools Visited: Cal State Sacramento, SFSU, University of Alabama, Virginia Tech, East Carolina University, UNC Chapel Hill, Valdosta State University</p>
2006-2007 2007-2008	Casey Moore	SEIZE	<p>Public Lecture: Subduction zone superlatives: how plate convergence causes the largest earthquakes, the largest tsunamis, and the largest mountains.</p> <p>Technical Lecture: Where have all the earthquakes gone? Finding paleoseismogenic faults in mountains of mélangé.</p> <p>Schools Visited: Colorado College, Grand Valley State University, Juniata College, Kansas State University, University of Missouri-Columbia, Youngstown State University, TAMU, Trinity University, University of Houston</p>
2006-2007 2007-2008	Charles Nittrouer	S2S	<p>Public Lecture: Writing Earth history with continental-margin sedimentary processes.</p> <p>Technical Lecture: The ties that bind Source to Sink: within and between New Guinea and New Zealand.</p> <p>Schools Visited: Bowling Green State University, University of Delaware, University of Florida, WVU, Boston College, The Richard Stockton College of New Jersey, University of Maine</p>
2006-2007 2007-2008	Karen Fischer	SF	<p>Public Lecture: Where plates collide: The origin of volcanos and earthquakes in subduction zones.</p> <p>Technical Lecture: Mantle structure, dynamics and melting in the Central American subduction zone.</p> <p>Schools Visited: Georgia Southwestern State University, University of Arkansas, University of Georgia, University of Kansas, Crossroads Academy, Dartmouth College, UC Davis, Western Washington University</p>

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2007-2008	Peter Kelemen	SF	<p>Public Lecture: (a) Origin and evolution of continental crust. (b) The future of geological exploration: Why, and Show?</p> <p>Technical Lecture: (a) Arc lower crust: The Talkeetna Continental Dynamics Project. (b) A viscous shear heating mechanism for intermediate depth earthquakes.</p> <p>Schools Visited: Central Michigan, Skidmore College, SUNY-Oswego, University of Colorado</p>
2005-2006	Neal Driscoll	S2S	<p>Public Lecture: Reading Earth history from the geologic record.</p> <p>Technical Lecture: Dispersal systems in actively deforming regions: Papua New Guinea has it all!</p> <p>Schools Visited: Montana State University, North Dakota State University, University of North Dakota</p>
2005-2006	Terry Plank	SF	<p>Public Lecture: Recycling within the Subduction Factory.</p> <p>Technical Lecture: The effect of water on mantle melting at subduction zones.</p> <p>Schools Visited: Boise State University, Humboldt State University, University of Alaska, Fairbanks</p>
2005-2006	Susan Schwartz	SEIZE	<p>Public Lecture: Great Earthquakes and Tsunamis: Causes and Effects.</p> <p>Technical Lecture: Seismic, Geodetic and Fluid Flow Constraints on Seismogenic Zone Processes in Costa Rica.</p> <p>Schools Visited: Bates College, Brooklyn College, University of New Hampshire</p>
2005-2006	Joann Stock	RCL	<p>Public Lecture: Plate tectonics and how continents split apart.</p> <p>Technical Lecture: Defining the continent/ocean boundary: Insights from active rifts.</p> <p>Schools Visited: College of Charleston, UNC Charlotte</p>