

**SAN JOSE STATE UNIVERSITY DEPARTMENT OF GEOLOGY
FACULTY AND *STUDENT ACTIVITY (January 2015 – December 2016)**

PAPERS AND BOOKS PUBLISHED:

Langenheim, V.E. Jachens, R.C., Wentworth, C.M., Graymer, R.W., Stanley, R.G., McLaughlin, R.J., Simpson, R.W., Williams, R.A., **Andersen, D.W.**, and Ponce, D.A., 2015, A summary of the late Cenozoic stratigraphic and tectonic history of the Santa Clara Valley, California: *Geosphere*, v. 11, p. 50-62.

Andersen, D.W., *Shostak, N.C., *Locke, K.M., *Ramstetter, N.P., and **Metzger, E.P.**, 2016, Composition of sediment records late Quaternary paleogeographic evolution of Santa Clara Valley, California: *Geosphere*, v. 12, no. 2, DOI: 10.1130/GES01259.1.

Robinson, A.C., Owen, L.A., Jie, C., Schoenbohm, L., Hedrick, K.A., **Blisniuk, K.D.**, Sharp, W., Imrecke, D.B., Yuan, Z., Li, W., 2016, Response to comment on: No late Quaternary strike-slip motion on the northern Karakoram fault: *Earth and Planetary Science Letters*, v. 443, p. 220-223.

Robinson, A.C., Owen, L.A., Jie, C., Schoenbohm, L., Hedrick, K.A., **Blisniuk, K.D.**, Sharp, W., Imrecke, D.B., Yuan, Z., Li, W., 2015, No late Quaternary strike-slip motion on the northern Karakoram fault: *Earth and Planetary Science Letters*, v. 409, p. 290-298.

Gabet, E.J., Burnham, J.L.H., Perron, J.T., 2016, Critiques of the seismic hypothesis and the vegetation stabilization hypothesis for the formation of Mima mounds along the western coast of the U.S.: *Geomorphology* v. 269, p. 40-42.

Gabet, E.J., Mudd, S.M., Milodowski, D.T., Yoo, K., Hurst, M.D., and Dosseto, A., 2015, Local topography and erosion rate control regolith thickness along a ridgeline in the Sierra Nevada, California. *Earth Surface Processes and Landforms*, v. 40, p. 1779-1790.

Short, L.* and **Gabet, E.J.**, 2015, The role of large woody debris in modulating the dispersal of a post-fire sediment pulse: *Geomorphology* v. 246, p. 351-358.

Burns, K.* and **Gabet, E.J.**, 2015, The effective viscosity of slurries laden with vegetative ash: *Catena* v. 135, p. 182-192.

Metzger, E.P., **Miller, R.B.**, Harper, G.D., and MacDonald, J.H., Jr., 2015, Geochemistry of mafic rocks in the Crystalline core of the north Cascades and possible correlatives: Tectonic implications: in, Cheney, E.S., ed., *the Geology of Washington and Beyond: from Laurentia to Cascadia*: University of Washington Press, p. 156-180.

Chang, H. C., Kelly, R. M., **Metzger, E.P.**, 2016, A qualitative study of teachers' Understanding of Sustainability: Education for sustainable development (ESD), dimensions of sustainability, environmental protection: in Urban, M. J.; Falvo, D. A. eds., *Improving K-12*

STEM Education Outcomes through Technological Integration, Hershey, PA: IGI Global, p. 1-436.

Chapman, A.D., Ernst, W.G., Gottlieb, E., Powerman, V. and **Metzger, E.P.**, 2015, Detrital zircon geochronology of Neoproterozoic–Lower Cambrian passive-margin strata of the White-Inyo Range, east-central California: Implications for the Mojave–Snow Lake fault hypothesis: *Geological Society of America Bulletin*, v. 127, p. 926-944.

Miller, R.B., Gordon, S.M., Bowring, S.A., *Doran, B.A., *Michels, Z., *Shea, E.K., and Whitney, D.L., 2016, Linking deep and shallow crustal processes during regional transtension in an exhumed continental arc, North Cascades, northwestern Cordillera (USA): *Geosphere*, v. 12, p. 900-924; DOI: 10.1130/GES01262.1

Eddy, M.P., Bowring, S.A., **Miller, R.B.**, and Tepper, J.H., 2016, Rapid assembly and crystallization of a fossil large-volume silicic magma chamber: *Geology*, v. 44, p. 341-344.

Eddy, M.P., Bowring, S.A., Umhoefer, P.J., **Miller, R.B.**, McLean, N.M., and Donaghy, E.E., 2016, High-resolution temporal and stratigraphic record of microplate accretion and ridge-trench interaction preserved in non-marine sedimentary basins in central and western Washington: *Geological Society of America Bulletin*, v. 128, p. 425-441.

Metzger, E.P., Miller, R.B., Harper, G.D., and MacDonald, J.H., 2016, Synthesis of geochemical data for mafic rocks in the crystalline core of the North Cascades and potential correlatives: Tectonic implications, *in* Cheney, E., ed., *The geology of Washington and beyond*: Seattle, University of Washington Press, p. 156-180.

*Shea, E.K., **Miller, J.S., Miller, R.B.**, Bowring, S.A., and *Sullivan, K.M., 2016, Growth and maturation of a mid- to shallow-crustal intrusive complex, North Cascades, Washington: *Geosphere*, v. 12, p. 1489-1516, DOI:10.1130/GES01290.1.

McDowell, S.M., *Overton, S., Fisher, C.M., Frazier, W.O., Miller, C.F., **Miller, J.S.**, and Economos, R.C., 2016, Hafnium, oxygen, neodymium, strontium, and lead isotopic constraints on magmatic evolution of the supereruptive southern Black Mountains volcanic center, Arizona, U.S.A.: A combined LASS zircon-whole rock study: *American Mineralogist*, v. 101, p. 311-327.

Portner, R.A., Clague D.A., Helo C., Dreyer, B. D., Paduan, J.B., 2015, Contrasting styles of deep-marine explosive eruptions revealed from Axial Seamount push core records: *Earth and Planetary Science Letters*, v. 423, p. 219-231.

GRANTS:

Blisniuk, K.D., Research, Scholarship & Creative Activity, SJSU 0.2 release time 2016—2017.

Blisniuk, K.D., SJSU Undergraduate Research Grants (\$1000) 2017—2017.

Blisniuk, K.D. “Evaluating Active, Rapid late Quaternary Fault Slip on the Mission Creek fault near San Geronio”, Southern California Earthquake Center (SCEC) Grant (\$28,000) 2015—2016.

Blisniuk, K.D. Research, Scholarship & Creative Activity, SJSU grant (\$4997) 2015—2016.

Blisniuk, K.D. SJSU e-campus Technology Equipment program (\$7000) 2015—2016.

Blisniuk, K.D. “Determining Long-Term Slip Rate Estimates for the Santa Cruz Mountains section of the Northern San Andreas Fault”, National Earthquake Hazard Reduction Program (NEHRP) Grant (\$59,254) 2015—2017.

Blisniuk, K.D. “Investigating slip distribution over multiple timescales across the central Walker Lane: Implications for the evolution of an active tectonic plate boundary”, National Science Foundation (grant funded through the Berkeley Geochronology Center) (\$82,853) 2014—2018.

Metzger, E.P. “The Next Generation Science Standards Implementation Collaborative”, All Points North Foundation (\$50,000) 06/2016—05/2017.

Metzger, E.P. “Collaborative Resources in Education to Advance Technology Engineering and Science (CREATES)”, California Mathematics and Science Partnership Grant Program (\$77,650) 2015—2016.

Metzger, E.P. “Collaborative Resources in Education to Advance Technology Engineering and Science (CREATES)”, California Mathematics and Science Partnership Grant Program (\$440,000) 2015—2016.

Metzger, E.P. “The Youth Digital Storytelling STEM Academy”, National Science Foundation (\$1,099,567) 09/2015—08/2018.

Miller, J. S., “Deciphering Sierran magma sources and modes of diversification using trace element, O, and Hf isotopic analyses of zircon”, National Science Foundation (\$146,011) 03/2010—02/2015.

Miller, R.B., “Incorporation of Metasedimentary Rocks into the Deep Levels of Continental Arcs: Insights From the North Cascades”, National Science Foundation (\$79,956) 08/2014—07/2017.

Miller, R.B., “Structure and Construction of Cretaceous plutons in the North-Central Sierra Nevada Batholith, California”, U.S. Geological Survey (EDMAP) (\$25,173) 06/2015—08/2016.

Miller, R.B., “Evaluating the Influence of Eocene Ridge Subduction on Magmatism, Deformation, and Basin Evolution in the Pacific NW”, National Science Foundation (\$96,000) 01/2012—12/2015.

Miller, R.B., “Tectonic Links, Magma Fluxes, and Single Mineral Geochemistry in Plutonic Systems From 5-30 km Depth, Cascades Core, Washington”, National Science Foundation (\$171,532) 06/2010—05/2015.

Miller, R.B., “Evaluating the Influence of Eocene Ridge Subduction on Magmatism, Deformation, and Basin Evolution in the Pacific NW”, National Science Foundation (\$96,000) 01/2012—12/2015.

Miller, R.B., “Structure and Construction of Cretaceous plutons in the North-Central Sierra Nevada Batholith, California”, U.S. Geological Survey (EDMAP) (\$25,173) 06/2015—05/2016.

Portner, R.A., “Fingerprinting source-to-sink associations for deep-marine vitriclastic deposits and their association to caldera formation on Axial Seamount”, National Science Foundation (\$198,640) 09/2016—08/2019.

Portner, R.A., “Dynamics and origins of explosive silicic volcanism at 2300 mbsl on a mid-ocean ridge spreading center”, National Science Foundation (\$149,892) 3/2014—02/2016.

Portner, R.A., “Dynamics and origins of explosive silicic volcanism at 2300 mbsl on a mid-ocean ridge spreading center”, National Science Foundation (\$11,213) 03/2016—02/2017.

ABSTRACTS PUBLISHED WITH PRESENTATIONS:

*Student Author

Andersen, D.W., *Holland, P.J., and *Albert, K.A., 2016, Composition and significance of Pleistocene gravel units in the foothills southeast of San Francisco Bay, California: Geological Society of America Abstracts with Programs, v. 48, no. 4, DOI: 10.1130/abs/2016CD-274573.

Scharer, K.M., **Blisniuk, K.D.**, Sharp, W.D., Mudd, S.M., 2015, Slip Transfer and the Growth of the Indio and Edom Hills, Southern San Andreas Fault: American Geophysical Meeting, Fall Meeting 2015, abstract, T51H-07.

Guns, K.A., Prentice, C.S., DeLong, S.B., *Kiefer, K., **Blisniuk, K.D.**, 2015, Northern San Andreas Fault slip rates on the Santa Cruz Mountain section: ¹⁰Be dating of an offset alluvial fan complex, Sanborn County Park, Saratoga, CA: American Geophysical Meeting, Fall Meeting 2015, abstract T31A-2821

Young, H., Hilley, G.E., *Kiefer, K., **Blisniuk, K.D.**, 2015, Millennial-scale Denudation Rates of the Santa Lucia Mountains, CA: Implications for Landscape Thresholds from a Steep, High Relief, Coastal Mountain Range: American Geophysical Meeting, Fall Meeting 2015, abstract, EP53B-1016.

Blisniuk, K.D., Sharp, W.D., 2015, Evaluating the reliability of Late Quaternary landform ages: Integrating ¹⁰Be cosmogenic surface exposure dating with U-series dating of pedogenic carbonate on alluvial and fluvial deposits, Sonoran desert, California: American Geophysical Meeting, Fall Meeting 2015, abstract PP11A-2212.

Emmons, B., Moon, S., Brown, N.D., **Blisniuk, K.D.**, & Rhodes, E.J., 2016, Applying newly developed luminescence dating to alluvial fans in the Anza Borrego Desert, southern California: Proceedings of SCEC 2016 Annual Meeting, poster presentation 117, p. 172-173.

Fosdick, J. C., **Blisniuk, K. D.**, & Wersan, L., 2016, Sedimentary provenance constraints on the Quaternary faulting history of the Mission Creek fault strand, southern San Andreas Fault Zone, CA: Proceedings of SCEC 2016 Annual Meeting, poster presentation 122, p. 175-176.

Garapaty, Charusheela., **Blisniuk, K. D.**, *Bella-Pratt, K., 2016, Finding paleoclimates using pedogenic carbonates: American Geophysical Meeting, Fall Meeting 2016, abstract ED41A-0766.

Blisniuk, K. D., Washburn, H., Guns, K.M., Prentice, C.S., 2016, New observations on the northern San Andreas Fault system: Fast slip rates on the Santa Cruz Mountain section of the San Andreas fault and creeping on the San Gregorio fault?: Teach the Earth, Structural Geology, 2016 Structure and Tectonics Forum: <http://serc.carleton.edu/NAGTWorkshops/structure/2016-Forum/abstracts/153809.html>

Langille, J., Lee, J., **Blisniuk, K.D.**, Sharp, W.D., Gosse, J., Torres, A., 2016, Rates Of Quaternary Dextral Slip Within The Central Walker Lane, Western Nevada: Geological Society of America Abstracts with Programs, v. 48, no. 7.

Reeder, J., **Metzger, E.P.**, Bickford, M.E., and Leech, Mary L., 2016, Kyanite-bearing migmatites in the central Adirondack Mountains: Implications for late to post-orogenic metamorphism and melting in a collisional orogen: American Geophysical Union, Fall Meeting 2016, abstract V23D-3009.

Reeder, J., **Metzger, E.P.**, Bickford, M.E., and Leech, Mary L., 2016, Kyanite-bearing migmatites from the Central Adirondack Mountains: A new P-T-t path and implications for tectonic models: Geological Society of America Abstracts with Programs. v. 48, no. 7.

Metzger, E.P. and Curren, R.R. Investigating the wicked problems of (un)sustainability through three case studies around the water-energy-food nexus: Abstract ED13E-0955 presented at 2016 Fall Meeting, American Geophysical Union, San Francisco, Calif., 12-16 Dec.

Metzger, E.P. and Curren, R.R., 2015, An education in sustainability: Perspectives from a geologist-philosopher collaboration: Earth Educators' Rendezvous, University of Colorado, Boulder, http://serc.carleton.edu/earth_rendezvous/2015/program_table/abstracts/105107.html.

Metzger, E.P., Cordero, E., and Santone, S., 2015, integrating sustainability into teacher education: Examples from San Jose State University: Earth Educators' Rendezvous, University of Colorado, Boulder, http://serc.carleton.edu/earth_rendezvous/2015/program_table/abstracts/100972.html.

*Denton, K.M., Ponce, D. A., Miller, D. M., Peacock, J., **Miller, J. S.**, 2015, Geophysical Investigations of a Proterozoic Carbonatite Terrane, southeast Mojave Desert, California: American Geophysical Union, Fall Meeting 2015, abstract GP13B-1293.

*Baker, N., **Miller, J.S.**, Vazquez, J.A., *Marcaida, M., *Lidzbarski, M.I., 2015, Zircon trace element geochemistry and growth of the Pleistocene to Holocene Mono Craters rhyolite magma system, California (USA): American Geophysical Union, Fall Meeting 2015, abstract V23B-3129.

*Sendek, C., Lackey, J.S., **Miller, J.S.**, Davies, G.R., Valley, J.W., Kitajima, K., 2015, Zircon Geochemical and Isotopic Constraints on the Evolution of the Mount Givens Pluton, Central Sierra Nevada Batholith: American Geophysical Union, Fall Meeting 2015, abstract V41D-04.

*Marcaida, M., Vazquez, J.A., Calvert, A.T., **Miller, J.S.**, 2016, Late Pleistocene eruptive history of the Mono Craters rhyolites, eastern California, from U-Th dating of explosive and effusive products: American Geophysical Union, Fall Meeting 2016, abstract V11A-2748.

Lackey, J.S., McCarty, K.R., Fulton, A.A., Ryan-Davis, J., *Sendek, C., **Miller, J.S.**, Davies, G.R., Bindeman, I.N., Cottle, J.M., 2016, Systematic Middle To Late Jurassic Changes In Magma Source In The Mojave Segment Of California's Continental Arc: Geological Society of America Abstracts with Programs. v. 48, no. 4.

Cruze, R.W., Kent, A.J.R., **Miller, R.B.**, and *Shea, E.K., 2016, U-Pb zircon age of dykes in the roof of the Black Peak Intrusive Complex, North Cascades: American Geophysical Union, Fall Meeting 2016, abstract V53D-3159.

Sauer, K., Gordon, S.M., **Miller, R.B.**, 2016, Detrital zircon U-Pb and Hf results from the Swakane Gneiss and Pelona-Orocopia-Rand Schists: Mechanisms of sediment incorporation into arc systems and implications for margin-parallel translation: American Geophysical Union, Fall Meeting 2016, abstract V13D-2876.

*Turner, G., and **Miller, R.B.**, 2016, Structure and construction of Cretaceous plutons in the Sonora Pass Region of the North-Central Sierra Nevada batholith, California: Geological Society of America Abstracts with Programs, v. 48, no. 4.

*Loeb, K., and **Miller, R.B.**, 2016, Structure, construction, and emplacement of the northern part of the Cretaceous Sonora Pass intrusive suite, Central Sierra Nevada batholith, California: Geological Society of America Abstracts with Programs, v. 48, no. 4.

*Hogan, L.D., Sauer, K.B., and **Miller, R.B.**, 2016, Origins and relationships of units in and adjacent to the Ross Lake fault zone, North Cascades, Washington: Implications for burial of meta-supracrustal rocks to deep levels of arcs: Geological Society of America Abstracts with Programs, v. 48, no. 4.

*Godfrey, K., **Miller, R.B.**, Gordon, S.M., and Sauer, K.B., 2016, Structure and tectonic origin of the Swakane Gneiss in the Wenatchee block, North Cascades, Washington: Geological Society of America Abstracts with Programs, v. 48, no. 4.

Sauer, K.B., Gordon, S.M., and **Miller, R.B.**, 2016, U-Pb and Hf isotope signature of detrital zircons from the Swakane Gneiss of the North Cascades, WA: Implications for rapid burial and margin-parallel translation: Geological Society of America Abstracts with Programs, 48, no. 4.

*Senes, F.I., **Miller, R.B.**, and Gunderson, M., 2016, Ages and provenance of the Swauk and Chumstick Formation units near the Eocene Leavenworth fault zone, North Cascades, Washington: Geological Society of America Abstracts with Programs, v. 48, no. 4.

Gunderson, M., Umhoefer, P.J., Smith, M., and ***Senes, F.I.**, 2016, Sedimentology and provenance of the early Eocene Swauk Formation, Central Cascades, Washington: Geological Society of America Abstracts with Programs, v. 48, no. 4.

Miller, R.B., Gordon, S.M., and Sauer, K.B., 2015, Flow and deformation in deep-arc crust: Geological Society of America Abstracts with Programs, v. 47, no. 7, p. 495.

Sauer, K.B., Gordon, S.M., and **Miller, R.B.**, 2015, Hf characterization of detrital zircons from the metasedimentary rocks of the North Cascades crystalline core, WA: Implications for sedimentary incorporation into arc systems: Geological Society of America Abstracts with Programs, v. 47, no. 7, p. 766.

Umhoefer, P.J., Skinner, L.A., **Miller, R.B.**, Eddy, M.P., and Bowring, S.A., 2015, Eocene paleogeography of the Washington – Vancouver Island region during strike-slip faulting before and after a major 50 Ma transition: Geological Society of America Abstracts with Program, v. 47, no. 7, p. 444.

Miller, R.B., Eddy, M., Gordon, S.M., Umhoefer, P.J., and Sauer, K., 2015, Strike slip in the Southern Coast Mountains – Cascades orogen: The Ross Lake fault system and implications for “Baja BC”: Geological Society of America Abstracts with Programs, v. 47, no. 4, p. 50.

*Senes, F.I., **Miller, R.B.**, and Umhoefer, P.J., 2015, Deformation in and near the Eocene Leavenworth fault zone, North Cascades, Washington: Geological Society of America Abstracts with Programs., v. 47, no. 4, p. 60.

*Pence, J.E., and **Miller, R.B.**, 2015 Structural analysis and evolution of the Entiat fault zone, a major Eocene structure of the North Cascades, Washington: Geological Society of America Abstracts with Programs, v. 47, no. 4, p. 59.

Eddy, M.P., Bowring, S.A., Umhoefer, P.J., and **Miller, R.B.**, 2015, Precise temporal constraints on Eocene strike-slip faulting in Washington and its relationship to triple-junction migration and terrane transport: Geological Society of America Abstracts with Programs, v. 47, no. 4, p. 50.

Ratajeski, K., Barth, A.P., **Miller, R.B.**, and Pignotta, G., 2015, How deep was the Intrusive Suite of Buena Vista Crest? Contrasting results from hornblende-plagioclase thermobarometry of granodiorites and zircon geochronology of broadly coeval volcanics (Minarets and Merced Peak Complexes), Sierra Nevada batholith: Geological Society of America Abstracts with Programs, v. 47, no. 4, p. 47.

Portner, R.A., Dreyer, B.D., Clague, D.A., Spelz, R., Lowenstern, J.B., Paduan, J. B., Carey S., Head, J.W., 2015, Rhyolite eruption on a mid-ocean ridge: Alarcon Rise, Gulf of California: Geological Society of America Annual Meeting (Baltimore), abstract T219-145-5.

Portner, R.A., Dreyer, B.D., Clague, D.A., 2016, Widespread hydrothermal-ash deposits in sediment cores from Axial Seamount, Juan de Fuca Ridge record deep-marine caldera formation 1300-800 yr BP: American Geophysical Union Annual Fall Meeting (San Francisco), abstract V11A-2764.

TECHNICAL ORAL PRESENTATIONS (No Published Abstracts):

Blisniuk, K. D., 2016, “New geomorphic and sedimentologic insights on fault activity, slip rates, and seismic hazard along the San Andreas fault system in the San Geronio Pass and the Santa Cruz Mountains: What we know and what we think we know” presented at United States Geological Survey, Menlo Park (invited presentation)

Blisniuk, K. D., 2016, “A ~100,000 year geomorphic history of rapid displacement on the San Andreas fault in southern California” presented at San Francisco State University, San Francisco (invited presentation)

Blisniuk, K. D., 2016, “~100,000 year geomorphic history of rapid displacement on the San Andreas fault in southern California.” presented at Humboldt State University, Arcata (invited presentation)

Blisniuk, K. D., 2016, Innovation and Collaboration Technology Expo, “Applying Structure from Motion (SfM) Digital Photogrammetry in the classroom” presented at San Jose State University, San Jose (invited presentation)

Blisniuk, K. D., 2015, “Tectonic Geomorphology of the San Andreas fault: New Insights on Earthquakes, Slip Rates and Quaternary kinematics of southern California.” presented at University of California, Los Angeles (invited presentation)

Blisniuk, K. D., 2015, “Quantifying Active landscapes: a case study from the San Andreas fault system, CA.” presented at San Jose State University, San Jose (invited presentation)

Miller, J.S., March 2015, “Using zircon to evaluate sources and magmatic processes during the Late Cretaceous Sierra Nevada magmatic flare-up.” presented at University of Nevada, Las Vegas (invited presentation)

Portner, R.A., November 2015, “Rhyolitic volcanism on a mid-ocean ridge: Alarcon Rise” presented at Department of Earth, Environmental and Planetary Sciences, Brown University, Providence (invited presentation)

Portner, R.A., April 2016, “What can mid-ocean ridge sediments tell us about deep-sea explosive volcanism?” presented at Department of Earth and Ocean Sciences, University of South Carolina, Columbia (invited presentation)

Portner, R.A., May 2016, “MOR Rhyolitic volcanism at 2300 mbsl” presented at Earth Sciences Department, University of Tasmania, Hobart (invited presentation)

Portner, R.A., June 2016, “Eruption dynamics on the mid-ocean ridge” presented at Department of Earth and Planetary Sciences, Macquarie University, Sydney (invited presentation)

Portner, R.A., June 2016, “The depths of mid-ocean ridge sedimentology (MOR-SED)” presented at Earth Sciences Department, University of New England, Armidale (invited presentation)

Portner, R.A., June 2016, “Rhyolite eruption on a nascent mid-ocean ridge: Gulf of California” presented at School of Geosciences, University of Sydney, Sydney (invited presentation)

Portner, R.A., October 2016, “Mid-ocean ridge (MOR) sediment” presented at Department of Earth, Environment and Physics, Worcester State University, Worcester (invited presentation)

PROFESSIONAL REVIEWS:

Blisniuk, K.D., Peer Reviewer

National Science Foundation, Tectonics Program
National Science Foundation, GLD
Geosphere
Tectonics

Gabet, E.J., Peer Reviewer

Geomorphology (2)
Soil Science
Terra Nova
Earth Surface Processes and Landforms (2)
Journal of Geophysical Research
Soil Science Society of America

Miller, J.S., Peer Reviewer

Chemical Geology
Geology
Geological Society of America Bulletin
Geosphere
G-cubed
Gondwana Research
Proceedings of the National Academy of Sciences
Lithos
National Science Foundation (4)

Miller, R.B., Associate Editor of Geosphere

Miller, R.B., Peer Reviewer

Economic Geology
Geosphere (3)
Journal of Structural Geology
Lithos (2)
Lithosphere (2)
Tectonics
National Science Foundation (8)
Petroleum Research Fund

Oberdorfer, J.A., 2016, Peer Reviewer

Applied Geochemistry

Portner, R.A., 2016, Peer Reviewer

Geochemistry, Geophysics, Geosystems (G³)
National Science Foundation

Reed, D.L., 2016, Peer Reviewer

National Science Foundation

MISCELLANEOUS ACTIVITIES – AWARDS, CONSULTING ACTIVITIES, MEDIA PUBLICATIONS, SPECIAL STUDIES, TRAVEL:

Blisniuk, K.D., 2016, NSF Early Career Geoscience Faculty: Teaching, Research, and Managing your Career, University of Maryland.

Blisniuk, K.D., 2015, ABC News, Interview for movie the San Andreas fault.

Metzger, E.P., Guest Associate Editor for a special theme issue of the Journal of Geoscience Education; “Interdisciplinary Teaching and Sustainability” (*to be published May 2017*).

Metzger, E.P., January 2016 – present, Member of a team of California State University and Committee College faculty convened by the CSU Chancellor’s Office to develop a cross-campus Minor in Sustainability.

Miller, J.S., March 2015, Field research in southern Nevada with M.S. student Matt Leigh.

Miller, R.B., October 2016, Field research in Bhutan with colleagues from the University of Nevada – Reno and Washington State University.

Miller, R.B., June – August, 2016, Field research in Washington Cascades and Sierra Nevada batholith with SJSU M.S. students and colleagues from MIT, Northern Arizona University, and the University of Nevada - Reno.

Miller, R.B., April 2016, External Reviewer for Portland State University, Department of Geology.

Miller, R.B., March 2016, Geological Society of America Cordillera Section field trip to the southern Sierra Nevada batholith.

Miller, R.B., April 2015, External Reviewer for Fresno State University, Department of Earth and Environmental Science.

Miller, R.B., June – August 2015, Field research in Washington Cascades and Sierra Nevada batholith with SJSU M.S. students and colleagues from University of Nevada - Reno and MIT.

Miller, R.B., May 2015, Geological Society of America Cordilleran Section Meeting and associated field trips, Anchorage, AK

Oberdorfer, J.A., 2015, Consulting with AECOM on groundwater impact from phosphate mining

Oberdorfer, J.A., 2015 – present, Technical Advisory Committee for the Geology and Geophysics registration, California Board for Professional Engineers, Land Surveyors and Geologists

Portner, R.A., June 2015, Public outreach: Marine Science and Volcano demonstration to pre-K class in Providence YMCA

Portner, R.A., November 2015, Recipient of award to participate on chief scientist training Cruise, supported by the National Science Foundation and University National Oceanographic Laboratory System (UNOLS), Lewes Delaware.

Portner, R.A., June 2016, Public outreach: Marine Science and Volcano demonstration to Kindergarten class in Providence Public School District

Portner, R.A., March – December 2016, Program Committee member/conference organizer for American Geophysical Union Chapman Conference on submarine volcanology held in Hobart Tasmania January-February 2017

Reed, D.L., December 12–16, 2016 Attendance at 2016 Fall Meeting of the American Geophysical Union, San Francisco.

Reed, D.L., January 4 – 22, 2016 Winter Intersession Course Offering – GEOL105, General Oceanography, online, 45 students, \$47,250 in fee revenue

Reed, D.L., January 4 – 22, 2016 Winter Intersession Course Offering – GEOL112, Hazards of Earthquakes and Volcanoes, online, 36 students, \$37,800 in fee revenue

Reed, D.L., March 7 – May 19, 2016 Spring Spartans Online Special Session Course Offering – GEOL105, General Oceanography, online, 20 students, \$21,000 in fee revenue

Reed, D.L., June 6 – July 8, 2016 Summer Course Offering – GEOL112, Hazards of Earthquakes and Volcanoes, online, 21 students, \$28,875 in fee revenue

Reed, D.L., June 6 – July 8, 2016 Summer Course Offering – GEOL105, General Oceanography, online, 20 students, \$27,500 in fee revenue

Reed, D.L., July 11 – August 12, 2016 Summer Course Offering – GEOL112, Hazards of Earthquakes and Volcanoes, online, 22 students, \$30,250 in fee revenue

Reed, D.L., July 11 – August 12, 2016 Summer Course Offering – GEOL105, General Oceanography, online, 21 students, \$28,875 in fee revenue

Reed, D.L., October 10 – December 16, 2016 Fall Spartans Online Special Session Course Offering – GEOL105, General Oceanography, online, 19 students, \$19,950 in fee revenue