

Laura J. Moore

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Education

Ph.D. Earth Sciences, University of California Santa Cruz, March 1998. Advisor, Gary Griggs
B.A. Geology, Colgate University, Hamilton, New York, May 1993. Magna Cum Laude
and High Honors.

Awards and Honors

Mellon-8 Consortium Sabbatical Fellowship Award, September 2006.
W.M. Keck Foundation Fellowship in the Natural Sciences, May 2005.
Nominated to Project Kaleidoscope Faculty for the 21st Century, July 2004.
Meyers Oceanographic Trust Research Award, April 1997.
ARCS Scholarship, Achievement Rewards for College Scientists Foundation, June 1996.
Meyers Oceanographic Trust Research Award, March 1995.
William Beye Heald Scholarship, Long Marine Laboratory, UC Santa Cruz, April 1994.
Norma Vergo Prize in Geology, Department of Geology, Colgate University, May 1993.

Positions Held

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| Assistant Professor University of Virginia, Department of Environmental Sciences | 2008 - present |
| Assistant Professor Oberlin College, Department of Geology, Oberlin, OH | 2002 - 2007 |
| Research Associate University of South Florida, College of Marine Science/USGS Center for Coastal Geology, St. Petersburg, FL | 2000 - 2002 |
| Postdoctoral Scholar Woods Hole Oceanographic Institution, Department of Geology and Geophysics, Woods Hole, MA | 1998 - 2000 |
| Instructor University of California Santa Cruz, Department of Earth Science, Santa Cruz, CA | 1998 |
| Graduate Student Researcher/Research Assistant University of California Santa Cruz, Department of Earth Science, Santa Cruz, CA | 1993 - 1998 |

External Grants

Collaborative Research: Biogeomorphic Controls on Barrier Island Evolution in Response to
Climate Change, National Institute for Climate Change Research, Department of Energy,
\$142,000 (UVA)/\$249,000 (total). L. Moore, Co-PI, D. Young, April 2009 - March 2011.
Modeling the Holocene and potential future evolution of the Chandeleur Islands, Louisiana, U.S.
Geological Survey, \$60,800 (UVA). PI: L. Moore, Jan. 2008 - Dec. 2009.

S-STEM Scholarships at Oberlin College: Supporting Undergraduate Engagement in Computation and Modeling, National Science Foundation, \$541,000. PI: R. Salter, Co-PIs: D. Stinebring and L. Moore, 2007-2010.

Modeling the Holocene and potential future evolution of the Chandeleur Islands, Louisiana, U.S. Geological Survey, \$88,372. PI: L. Moore, 2007 - 2008.

Barrier island response to sea-level rise, Mellon 8 Consortium Semester Research Leave, \$30,000. PI: L. Moore, 2005-2006.

Quantifying the bias between proxy-based and datum-based shorelines, U.S. Geological Survey, \$28,828. PI: Moore, 2003-2004.

Quantification of beach change and coastal erosion hazards, U.S. Geological Survey, \$125,000. PI: P. Howd, Co-PI: L. Moore, 2001-2002.

Exploring late-Holocene hurricane activity as recorded in salt ponds and lagoons of the Caribbean region. National Science Foundation SGER – Earth System History, \$40,000. PI: L. Moore, Co-PI: A. Cohen, 2000 - 2002.

Operational creation of aerial mapping data products for Vital Signs Monitoring within northeastern national seashores, National Park Service, \$50,000. PI: Brock, Co-PI: L. Moore, 2001- 2002.

Coastal erosion hazard mapping in Santa Cruz and San Diego Counties, Federal Emergency Management Agency, \$77,760. PI: G. Griggs, Co-Author: L. Moore, 1996-1998.

Acquisition of hardware and software for an Imaging and GIS Facility for the study of Earth Sciences, National Science Foundation, Instrumentation and Facilities Program, \$42,000. PI: G. Griggs, Co-PI: R. Anderson, Author: L. Moore, 1996-1997.

Selected Internal Grants

Modeling Barrier Island Response to Sea-Level Rise, Oberlin College Grant-in-Aid, \$2400, 2007.

Using Oxygen isotopes to identify hurricane overwash deposits, St. Croix, USVI Oberlin College-University of Michigan Cooperative, \$10,000, 2005-2006.

Interdisciplinary collaborations: Campus visit by coastal geologist Dr. Orrin Pilkey and American artist Mary Edna Fraser, Mead-Swing Lecture Fund, Oberlin College, \$3500, 2004.

Reconstructing late-Holocene climate change and sea-level variations, St. Croix, U.S.V.I., Oberlin College AIRE grant, \$3650. Funding for summer research assistant, 2003.

Developing first year seminar “Coasts in Crisis,” First Year Seminar Program, Oberlin College, \$3500, 2003.

Exploring linkages between coastal progradation and climate variability, University of South Florida Travel Grant Program, \$5000, 2001.

Publications in Preparation

Moore, L.J., *Patsch, K., Williams, S.J., and List, J.L., in preparation. Barrier Islands Poised for Geomorphic Threshold Crossing in Response to Rapid Sea-Level Rise: Insights from Numerical Model Experiments, Chandeleur Islands, Louisiana, USA, *Geophysical Research Letters*.

Moore, L.J., McNamara, D.E., Murray, A.B, and *Brenner, O., in preparation. Large-scale coastline-shape changes in response to changing storm climate, *Nature*.

Moore, L.J. and Murray, A.B, in preparation, Hurricane impacts: Size matters, *EOS Transactions*.

*Wolner C., **Moore, L.J.**, and Young, D., in preparation. The effects of non-linear ecogeomorphic feedbacks on barrier island vulnerability to sea-level rise, *Journal of Geophysical Research-Earth Surface*.

Refereed Publications

Moore, L.J., List, J.H., Williams, S.J. and Stolper, D., accepted pending approval of submitted minor revisions, Complexities in barrier island response to sea-level rise: Insights from model experiments. *Journal of Geophysical Research- Earth Surface*.

Moore, L.J., Ruggiero, P.R. and List, J., 2006. Comparing high water line and datum-based shorelines: Implications for shoreline change. *Journal of Coastal Research*, v.22, n.4, pp. 894-905.

Morton, R.A., Miller, T.L., and **Moore, L.J.**, 2005. Historical shoreline changes along the U.S. Gulf of Mexico: A summary of recent shoreline comparisons and analyses. *Journal of Coastal Research*, v. 21, n. 4, pp. 704-709.

Moore, L.J., 2005. An assessment of hillslope stability using the factor of safety. Laboratory exercise focusing on development of quantitative skills for use in Earth Surfaces Processes courses, Published online at: <http://serc.carleton.edu/quantskills/workshop05activities/moore.html>.

Moore, L.J., Jol, H.M., Kruse, S., Vanderburgh, S. and Kaminsky, G.M., 2004. Annual layers revealed in the subsurface of a prograding coastal barrier, southwest Washington, U.S.A., *Journal of Sedimentary Research*, v. 74, n. 5, pp. 690-696.

Morton, R.A., Miller, T.L., and **Moore, L.J.**, 2004. National assessment of shoreline change: Part 1 Historical shoreline changes and associated coastal land loss along the U.S. Gulf of Mexico, U.S. Geological Survey Open File Report 2004-1043, <http://pubs.usgs.gov/of/2004/1043/>.

Morton, R.A., Miller, T.L., Sallenger, A., and **Moore, L.J.**, 2004. The national assessment of shoreline change: A GIS compilation of vector sand associated shoreline change data for the U.S. Gulf of Mexico. U.S. Geological Survey Open File Report 2004-1089, <http://pubs.usgs.gov/of/2004/1089/>.

Moore, L.J., Kaminsky, G.M., and Jol, H.M., 2003. Exploring linkages between coastal progradation rates and the El Niño Southern Oscillation, southwest Washington, USA, *Geophysical Research Letters*, v. 30 n. 9, 1448, doi: 10.1029/2002GL016147.

Moore, L.J., *Sullivan, C., and Aubrey, D.G., 2003. Interannual evolution of multiple longshore bars, Truro, Massachusetts. *Marine Geology*, v. 196, no 3-4, pp. 127-144.

Solow A and **Moore, L.J.**, 2002. Testing for trend in a partially incomplete hurricane record II, 1900-1998. *Journal of Climate*, v. 15 n. 21, pp. 3111-3114.

Moore, L.J. and Griggs, G.B., 2002. Long-term cliff retreat and erosion hotspots along the central shores of the Monterey Bay National Marine Sanctuary. *Marine Geology*, v. 181, n. 1-3, p. 265-283.

- Moore, L.J.**, Morton, R.M., Sallenger, A., 2002. Historical Coastal Change Hazards for the Conterminous United States and Hawaii: Initial Progress under the USGS National Coastal Assessment. USGS Open File Report No. 02-191.
- Solow, A. and **Moore, L.J.**, 2000. Testing for trend in a partially incomplete hurricane record. *Journal of Climate*, v. 13 n. 20.
- Moore, L.J.**, 2000. Shoreline mapping techniques. *Journal of Coastal Research*, v. 16 n. 1, pp. 111-124
- Moore, L.J.**, Benumof, B., and Griggs, G.B., 1999. Coastal erosion hazards in Santa Cruz and San Diego Counties, California. In: Crowell, M. and Leatherman, S.P. (eds.), *Coastal Erosion Mapping and Management, Journal of Coastal Research Special Issue No. 28*, pp. 121-139.
- Hapke, C., Gibbs, A., Richmond, B., Hampton, M., Jaffe, B., Dinger, J., Sallenger, A., Benumof, B., Brown, K., Griggs, G., **Moore, L.**, Scholar, D., Storlazzi, C., Krabill, W., Swift, R., and Brock, J., 1998. A collaborative program to investigate the impacts of the 1997-98 El Nino along the California coast. *Shore and Beach*, v. 66, pp. 24-32.
- Pinet, P.R., McClennen, C.E., and **Moore, L.J.**, 1998. Unpacking environmental complexity: a geologic appraisal of shoreline erosion along southeastern Lake Ontario, New York. In: Welby, C. W. and Gowan, M. E. (eds.), *A Paradox of Power: Voices of Warning and Reason in the Geosciences, Reviews in Engineering Geology XII*, The Geological Society of America, pp. 9-21.
- Griggs, G.B., **Moore, L.J.**, Tait, J.F., Scott, K. and Pembroke, D., 1996. The effects of the storm waves of 1995 on beaches adjacent to a long-term seawall monitoring site in northern Monterey Bay, California. *Shore and Beach*, v. 64, n. 1, pp. 34-39.

Books, Chapters and Reports

- Fenster, M., Dean, R.G., Dolan, R., and **Moore, L.J.**, 2009. Shoreline Restoration and Infrastructure Protection Program: Wallops Island, Virginia, Independent Technical Review, Technical Memorandum #1, Review of Background Information and Studies, Scoping Comments, and EIS Preliminary Draft Chapters 1 &2, 33p.
- Guy, D.E. and **Moore, L.J.**, In Press. Geologic Setting and Processes along Lake Erie from Fairport Harbor to Marblehead. Department of Natural Resources, Ohio Division of the Geological Survey, Cleveland, OH, 78p.
- Moore, L.J.**, List, J.H., Williams, S.J. and Stolper, D., 2007, Modeling Barrier Island Response to Sea-Level Rise. In: Kraus, N. and Rosati, J., (eds.), *Coastal Sediments 2007*, American Society of Civil Engineers, v. 3, pp. 1153-1164.
- Moore, L.J.**, 2005 Review of *A Celebration of the World's Barrier Islands*, *Palaios*, v.20, n.1, pp. 97-98.
- Moore, L.J.**, Jol, H.M., Kaminsky, G.M., and Kruse, S., 2003. Severe winter storm effects revealed in stratigraphy of prograding coastal barrier, Southwest Washington, USA. In: Davis, R.A., Sallenger, A., and Howd, P., (eds.), *Coastal Sediments 2003*. American Society of Civil Engineers, pp. 1-9.
- Moore, L.J.**, and Griggs, G.B., 1998. Measuring shoreline erosion: Techniques, accuracy and strategy. In: Magoon, O.T., Converse, H., Baird, B., Miller-Henson, M., (eds.), *California and the World Ocean '97*, American Society of Civil Engineers, Reston, VA, pp.719-730.
- Benumof, B., **Moore, L. J.**, and Griggs, G.B., 1998. Coastal erosion: The state of the problem and the problem of the state. In: Magoon, O.T., Converse, H., Baird, B., Miller-Henson,

- M., (eds.), *California and the World Ocean '97*, American Society of Civil Engineers, Reston, VA, pp. 505-514.
- Benumof, B.T., **Moore, L.J.**, and Griggs, G.B., 1998. FEMA and state-of-the-art coastal erosion mapping along the San Diego County coastline, California. *In*: Ewing, L. and Sherman, D. (eds.), *California's Coastal Natural Hazards*. USC Sea Grant Program, pp.719-730.
- Griggs, G.B., Tait, J.F., **Moore, L.J.**, Scott, K., Corona, W., and Pembroke, D., 1997. *The interaction of seawalls and beaches: eight years of field monitoring, Monterey Bay, California*. Army Corps of Engineers, Coastal Engineering Research Center Technical Report, 34p.

Published Abstracts

- Moore, L.J.**, List, J.H. *Patsch, K., and Williams, S.J., 2009 (*Invited*). Barrier island sensitivity to sea-level rise: Insights from numerical model experiments, North Carolina Outer Banks and Chandeleur Islands, LA USA. *EOS Transactions AGU*, 90(x), Fall Meet. Suppl.
- Moore, L.J.**, *Brenner, O, McNamara, D., Murray, A.B., 2009. Recent shifts in shoreline orientation along a cusped coast potentially linked to climate change, North Carolina Outer Banks, USA, *EOS Transactions AGU*, 90(x), Fall Meet. Suppl.
- McNamara, D., Murray, A.B., **Moore, L.J.**, *Brenner, O., 2009. Modeling coastline response to changing storm climate. *EOS Transactions AGU*, 90(x), Fall Meet. Suppl.
- *Wolner, C.V., **Moore, L.J.**, Young, D., Brantley, S., 2009. Biogeomorphic feedbacks in barrier island evolution: Exploring temporal and spatial persistence of overwash zones in the Virginia Coast Reserve. *EOS Transactions AGU*, 90(x), Fall Meet. Suppl.
- Moore, L.J.**, Williams, S.J., List, J.H., 2008. Complexities in barrier island response to sea-level rise: Insights from model experiments, *EOS Transactions*, AGU, 89(53), Fall Meet. Suppl., Abstract OS23A-1253.
- Murray, A.B., **Moore, L.J.**, McNamara, D., *Brenner, O. and Slott, J., 2008. Testable predictions for large-scale coastline-shape changes in response to changing storm climate. *EOS Transactions AGU*, 89(53), Fall Meet. Suppl., Abstract OS34A-06.
- Moore, L.J.**, 2008. Modeling past and potential future evolution of the Chandeleur Islands of southeastern Louisiana in response to relative-sea level rise. *The Geological Society of America Abstracts with Programs*, v. 40 n. 6, p.486.
- Moore, L.J.**, List, J.H. and Williams, J., 2007. Modeling evolution of the Chandeleur Islands of southeastern Louisiana: Initial exploration of a possible threshold crossing, *EOS Transactions*. AGU, 88, Fall Meet. Suppl., Abstract H41B-0499.
- Moore, L.J.**, List, J.H., Stolper, D. and Williams, J., 2006. Modeling large-scale Holocene barrier island morphodynamics and potential future response to sea-level rise, Outer Banks, North Carolina, *EOS Transactions*. AGU, 87(52), Fall Meet. Suppl., Abstract H31I-08.
- Moore, L.J.**, List, J.H., Stolper, D. and Williams, J., 2006. Modeling the large-scale morphodynamics of barrier island coasts under conditions of rising sea level, *EOS Transactions*. AGU, 87(36), Ocean Sci. Meet. Suppl., Abstract OS35E-03.
- Jol, H.M., Fisher, T.G., Loope, W.L, Smith, D.G., and **Moore, L.J.**, 2005. GPR studies along the present and past coastlines of the Great Lakes. *Geological Society of America*, 39th

- Annual Meeting of the North-Central Section, Minneapolis, MN, May 19-20, Abstracts with Programs, 37(5): 7.
- Moore, L.J.**, Ruggiero, P.R., and List, J.L., 2004. Quantifying shoreline change using mean high water and high water line shorelines: Should proxy datum offsets be incorporated? *EOS Supplement*, American Geophysical Union Fall Meeting, December 13- 18.
- D'Iorio, M.D., Richmond, B.M., and **Moore, L.J.**, 2003. A GIS-based approach to coastal change assessment in Santa Cruz County. *The Geological Society of America Abstracts with Programs*, v. 34 n. 7 p. 286.
- Moore, L.J.**, Jol, H.M., Kaminsky, G.M., and Kruse, S., 2003. Severe winter storm effects revealed in stratigraphy of prograding coastal barrier, Southwest Washington, USA. *Proceedings of the International Conference on Coastal Sediments 2003*, p. 545.
- Moore, L.J.**, Buster, N.A., Cohen, A.L., 2002. Hurricane overwash deposits in salt ponds of St. Croix, U.S.V.I.: Theory vs. practice. *Abstracts with Programs - Geological Society of America*, v. 34 n. 6 p. 132.
- Moore, L.J.**, Harris, M., Brock, J., Schirokauer, D., and McIntyre P. 2002. Coastal dune habitat, morphology and restoration at Point Reyes National Seashore: Applications of historical aerial photography, DEMs and lidar. *Coastal and Marine Remote Sensing*, Miami, May 22.
- Moore, L.J.**, Morton, R.A., Sallenger, A. H., and Guy, K., 2001. Historical coastal change hazards for the United States: Initial progress under the USGS National Assessment. *Abstracts with Programs - Geological Society of America*, v. 33, n. 6.
- Brock, J., Duffy, M., Harris, M., Krabill, W., **Moore, L.**, Sallenger, A.H., 2001. USGS-NPS-NASA research on coastal change and habitats within US national seashores. *Abstracts with Programs - Geological Society of America*, v. 33, n. 6, p. 165.
- Moore, L.J.**, Jol, H.M., Vanderburg, S., Kruse, S., Kaminsky, G.M., and Gelfenbaum, G., 2001. Linkages between shoreline progradation and climate, Southwest Washington, USA, *EOS Supplement*, American Geophysical Union Fall Meeting, December 10-14.
- Moore, L.J.**, Jol, H.M., and Kaminsky, G., 2001. Exploring linkages between coastal processes and climate variability using ground penetrating radar, southwest Washington, USA. GPR in Sediments Conference, London, UK, August 20,21.
- Moore, L.J.**, Mote, P., 2000 (Invited). Linking climate variability and coastal processes: A session overview and perspectives, *EOS Supplement*, American Geophysical Union Fall Meeting.
- Moore, L.J.**, Jol, H. and Kaminsky, G., 2000. Exploring correlations between shoreline progradation and climate indices, southwest Washington, *EOS Supplement*, American Geophysical Union Fall Meeting.
- Moore, L.J.**, Solow, A. and Aubrey, D.G., 2000. The coastal perspective: Trends in Atlantic Basin hurricane landfall activity, American Geophysical Union Ocean Sciences Meeting, San Antonio, Texas. January 24-28.
- Moore, L.J.**, 1999. Climate change and variability: Considering impacts on coastal morphology in the Columbia River littoral cell. *Proceedings of the Fourth Southwest Washington Coastal Erosion Study Workshop*, November 17-19.
- Moore, L.J.**, 1997. Application of digital softcopy photogrammetry to the measurement of shoreline erosion rates along the California Coast. *EOS Supplement*, American Geophysical Union Fall Meeting.

- Hapke, C., and **Moore, L.J.**, 1997. Evaluation of rectification techniques in the application of digital softcopy photogrammetry to shoreline position analyses. *EOS Supplement*, American Geophysical Union Fall Meeting.
- Benumof, B., and **Moore, L.J.**, 1997. FEMA and state-of-the-art coastal erosion mapping along the San Diego County shoreline. California's Coastal Natural Hazards Conference, November 12-14.
- Urish, D.W., **Moore, L.J.** and Morin, R.H., 1995. The effect of a dynamic coastal boundary on potential sea water intrusion: Carmel River Beach, CA. *Eos, Transactions, American Geophysical Union*. v. 76 n. 46 Suppl., p. 193
- Moore, L.J.**, *Randolph, C., and Griggs, G.B., 1995. The infrequent appearance of an ephemeral storm beach, Santa Cruz, CA. *Eos, Transactions, American Geophysical Union*. v. 76 n. 46 Suppl., p. 286-28
- Moore, L.J.**, Richmond, B.R., and Griggs, G.B., 1994. The relationship between coastal sand mining and erosion rates along the southern Monterey Bay shoreline, 25th Annual Underwater Mining Institute, December 1-4.
- Pinet, P., McClennen, C., and **Moore, L.**, 1993. Coastal compartments of the southeastern shoreline of Lake Ontario: Implications for coastal management. *The Geological Society of America Abstracts with Programs*, v. 25 n. 6 p. A368.

Recent Invited Presentations

- American Geophysical Union Fall Meeting, Coastal Geomorphology and Morphodynamics, Session EP13, December 2009.
- Virginia Institute of Marine Science, October, 2008.
- University of Virginia, Department of Environmental Sciences, April 2007.
- Duke University, Earth and Ocean Sciences Division, March 2007.
- USGS Center for Coast and Watershed Studies, February, 2007.
- Press Conference at the American Geophysical Union Fall Meeting, December 2006.
- Woods Hole Oceanographic Institution, July 2006.
- USGS Pacific Science Center, Santa Cruz, CA June 2006.
- University of Toledo, Department of Earth and Environmental Sciences, February 2004.
- Bowling Green State University, Geology Department, April 2004.

Professional Service

- Long-term Ecological Research - Virginia Coast Reserve**, Principal Investigator and member of Research Oversight Committee, September 2009 – present.
- NASA Wallops Independent Review Team**, Member of 4- person team reviewing scientific studies and Draft EIS chapters for shoreline protection project at NASA Wallops, June 2009 - present.
- National Park Service, Vital Signs Program**, Technical Reviewer of Northeast Coastal and Barrier Network Geomorphological Monitoring Protocol, September 2009.
- Southeastern University Research Association**, Coastal Advisory Board member, May 2008-present.
- Community Surface Dynamics Modeling System (CSDMS)**, active Coastal Working Group Member, Multi-year NSF- funded Community Modeling Effort, March 2008 – present.

Proposal Reviewer and Panelist, National Science Foundation, National Institute for Climate Change Research, American Chemical Society Petroleum Research Fund, National SeaGrant.

Manuscript Reviewer, *Journal of Geophysical Research- Earth Surface, Marine Geology, Journal of Sedimentary Research, Journal of Climate, Journal of Coastal Research, The Professional Geographer, Palaios, Journal of Great Lakes Research, Journal of Photogrammetry and Remote Sensing.*

Workshop Co-convener (Invited), “Teaching Geomorphology in the 21st Century.” Sponsored by Cutting Edge with funding from the National Science Foundation and the National Association of Geoscience Teachers, July 2008.

Session Co-Convener, Coastal Response to Climate Change and Sea-Level Rise, Coastal Sediments’07, New Orleans, May 2007.

Session Co-Convener, Coastal Geomorphology and Morphodynamics, American Geophysical Union Fall Meeting, San Francisco, December 2006.

Contributing Author, U.S. Climate Change Science Program, Product 1.4, Coastal Elevations and Sensitivity to Sea-Level Rise., March 2006 – present.

Session Co-Chair, Coastal Processes and Hazards along Active Margin and Low Latitude Coasts, Special Session, Geological Society of America Annual Meeting, Seattle, November 2003.

Technical Reviewer, *U.S. Clifed Coasts: Status and Trends*, Fall 2002

Session Co- Chair, Linking Climate Variability and Coastal Processes, Special Session, American Geophysical Union Fall Meeting, San Francisco, December 2000.

Non-Resident Director, California Shore and Beach Preservation Association, November 1998-present.

Session Chair, Science and Engineering for Coastal Hazard Reduction, California’s Coastal Natural Hazards Conference, November 12 - 14, 1997.

Director, California Shore and Beach Preservation Association, April 1997- November 1998.

Academic Service

Member, Computational Advisory Board, University of Virginia, September 2008 - August 2009.

Committee Member, Computational Science Advisory Committee, University of Virginia, April 2008 - August 2009.

Search Committee Member, University of Virginia, Department of Environmental Sciences, Assistant Professor Climate Dynamics, September 2008 – May 2009.

Search Committee Member, Oberlin College, Environmental Studies Department Visiting Assistant Professor Search, Fall 2006; Department of Geology Tenure Track Petrology Search, Fall 2006; Center for Instructional Technology Science Specialist Search, Summer 2005; Department of Geology Visiting Petrology Search, Spring 2004;

Committee Member, Oberlin College Natural and Mathematical Sciences Advisory Committee (AY 2004-2005), Environmental Studies Program Committee (AY 2003-04, AY 2004-05), Admissions Committee (AY 2004-05), OCCaM Conference Planning Committee (2005).

Co-Founder and Committee Member, Oberlin Center for Computation and Modeling, Oberlin College, March 2005 – December 2007.

Convener, Coastal Morphodynamics Symposium, Woods Hole Oceanographic Institution,

April 26, 2000.

Co-Chair, Graduate Commons Building Committee, UCSC, January 1997- August 1998.

President, Graduate Student Association, UCSC, June 1995 - June 1996.

Ex-Officio Member, Graduate Council Academic Senate Committee, UCSC, October 1995 - June 1996.

Secretary, Graduate Student Association, UCSC, October 1994 - June 1995.

Current Postdoctoral Associates, Graduate Students and Research Assistants

Kiersten Patsch (Post-doc), University of Virginia, Department of Environmental Sciences

Amy Grady (Ph.D.), University of Virginia, Department of Environmental Sciences

Catherine Wolner (M.S.), University of Virginia, Department of Environmental Sciences

Owen Brenner (M.S.), University of Virginia, Department of Environmental Sciences

Dana Oster (M.S.), University of Virginia, Department of Environmental Sciences

Nicholas Brockemeir (B.S.), University of Virginia, Department of Environmental Sciences

Previous Research Assistants and Honors Students

Michael Rose, Oberlin College, Geology Major

Margaret Reitz, Oberlin College, Geology Major

Ting Fong Lee, Oberlin College, Environmental Studies Major, Honors Student

Andrew Donnellycolt, Oberlin College, Geology Major

Susan Powell, Oberlin College, Geology Major

Benjamin Stanley, Oberlin College, Geology Major

Lindsey Kraatz, Eckerd College, USGS Research Assistant

Charlene Sullivan, WHOI Summer Student Fellow

Carrie Randolph, UCSC, Earth Sciences Major

Courses Taught

University of Virginia

Climate Change Impacts on Coastal Processes, Fall 2008

Coastal Processes, Spring 2008

Oberlin College

Coasts in Crisis (First-year Seminar), Fall 2003, 2004, 2005, 2007

Earth's Environments, Spring 2003, 2004, 2005, 2007

Geographic/Geologic Mapping and Analysis, Spring 2003, 2004

Earth Surface Processes, Fall 2002, 2003, 2004, 2005, 2007

University of California Santa Cruz

Remote Sensing and GIS: Geologic Applications, Spring 1998

Affiliations

American Geophysical Union, Coastal Education and Research Foundation, The Geological Society of America

*student or postdoctoral associate author