

M.A. Lisa Davis

(205) 348-4992

University of Alabama

Department of Geography, 204 Farrah Hall,
Box 870322, Tuscaloosa, AL 35487-0322

lisa.davis@ua.edu

<http://www.ldavis3.people.ua.edu>

EDUCATION	<p>Ph.D., 2005, Geography, University of Tennessee, Knoxville M.Phil., 2003, Geography, University of Wales, Swansea (U.K.) B.A., 1998, Geography, Geology minor, University of Southern Mississippi</p>
APPOINTMENTS	<p><i>Associate Professor, Current</i> Department of Geography, University of Alabama, Tuscaloosa, AL</p> <p><i>Assistant Professor, August 2005 – August 2013</i> Department of Geography, University of Alabama, Tuscaloosa, AL</p> <p><i>Graduate Teaching Assistant and Instructor, July 2005 – August 2000</i> Department of Geography and Math Science Regional Center University of Tennessee, Knoxville, TN</p> <p><i>Lab Demonstrator and Tutor, May 2000 – September 1998</i> Department of Geography University of Wales, Swansea, Wales (U.K.)</p> <p><i>Lab Instructor, August 1998 – August 1997</i> Department of Geology, University of Southern Mississippi, Hattiesburg, MS</p>
PUBLICATIONS	<p>Peer-Reviewed (* indicates student co-author)</p> <p>Atkinson, C.L., Allen, D.C., Davis, L. and Nickerson, Z., 2018. Enhancing system resiliency in streams through ecogeomorphic feedbacks: a review and directions moving forward. <i>Geomorphology</i>, 305: 123-140, https://doi.org/10.1016/j.geomorph.2017.07.016</p> <p>Davis, L., Lombardi, R.*, Gage, M., Therrell, M., Stinchcomb, G., Stewart*, C., Leigh D., Milewski, A., Speakman, R., Tran, L. Cyr, H., Horn, S., and McKay, L., 2017. Paleoflood evidence of past flooding events: investigation into the available sources of paleoflood evidence in humid environments. Electric Power Research Institute, Palo Alto, CA: https://www.epri.com/-/pages/product/3002010667/.</p>

Lin, L. **Davis, L.**, Chapman, E.* , Cohen, S. and Edmonds, J., 2016. The influence of geomorphic unit spatial distribution on nitrogen retention and removal in a large river. *Ecological Modeling* 336: 26-35, <http://dx.doi.org/10.1016/j.ecolmodel.2016.05.018>.

Vaughn, R.S.* and **Davis, L.**, 2015. Abiotic controls of emergent macrophyte density in a bedrock channel – The Cahaba River, AL (USA). *Geomorphology*, 246:146-155. <http://dx.doi.org/10.1016/j.geomorph.2015.06.018>

Haney, N.R.* and **Davis, L.**, 2015. Potential controls of alluvial bench deposition and erosion in southern Piedmont streams, Alabama (USA). *Geomorphology*, 241: 292-303, <http://dx.doi.org/10.1016/j.geomorph.2015.04.005>.

Davis, L. and Harden, C.P., 2014. Identification of factors contributing to bank stability in channelized, alluvial streams. *River Research and Applications*, 30(1): 71-80, <http://dx.doi.org/10.1002/rra.2621>

Sherman, D.J., **Davis, L.**, and Namikas, S.L., 2013. *Sediments and Sediment Transport*. In: *Treatise on Geomorphology* (Shroder, J., Jr., Ed. In Chief), Elsevier, Ltd., Oxford, U.K., <http://dx.doi.org/10.1016/B978-0-12-374739-6.00013-0>.

Royall, D., **Davis, L.**, and Kimbrow, D.R.* , 2010. In-channel alluvial benches in small watersheds: examples from the Southern Piedmont. *Southeastern Geographer, Special Issue: Fluvial Processes in Small Southeastern Watersheds*, 50(4): 445-467, <https://doi.org/10.1353/sgo.2010.0012>.

Shankman, D., **Davis, L.**, and de Leeuw, J., 2009. River management, landuse change, and future flood risk in China's Poyang Lake region. *International Journal of River Basin Management* 7: 423-43, <http://dx.doi.org/10.1080/15715124.2009.9635400>.

Davis, L., Brommer, D.M., and Rodriguez-Loeches, Diez-Argüelles, E., 2009. Observations of environmental change in Cuba. *Southeastern Geographer*, 49(1): 84-93, <https://doi.org/10.1353/sgo.0.0034>.

Davis, L., (2009). Sediment entrainment potential in modified alluvial streams: implications for re-mobilization of stored in-channel sediment. *Physical Geography*, 30(3): 249-268, <http://dx.doi.org/10.2747/0272-3646.30.3.249>.

Davis, L., 2007. Spatial patterns of geomorphic adjustment in channelized, tributary streams. *Physical Geography*, 28(4): 301-310. <http://dx.doi.org/10.2747/0272-3646.28.4.301>.

2004. **Davis, L.** and Harden, C. P. Including sediment dynamics in studies of geomorphic adjustment: preliminary results from a tributary of the Hatchie River, west Tennessee. Proceedings of the American Water Resources Association – Tennessee Division, Montgomery Bell State Park, TN, March 31 – April 2.

Book Reviews

2016. **Davis, L.** Southern Waters: The Limits to Abundance. *Geographical Review* 106(2): e38-e40.

Edited Journals

In progress. Harden, T., **Davis, L.**, Munoz, S., Godaire, J., and O’Connor, J. *Geomorphology*, Special Issue, Historic and paleoflood analysis: new perspectives on climate, extreme flood risk, and the geomorphic effects of large floods.

2010. James, L.A., Lecce, S., and **Davis, L.** *Southeastern Geographer, Special Issue: Fluvial Processes in Small Southeastern Watersheds*, 50(4).

Other Publications

2010. James, L.A., Lecce, S., and **Davis, L.** Fluvial processes in small Southeastern watersheds. *Southeastern Geographer, Special Issue: Fluvial Processes in Small Southeastern Watersheds*, 50(4): 393-396.

2001. **Davis, L.** Contributor to The Encyclopedic Dictionary of Environmental Change, Arnold Publishing. Matthews, J. A. (ed.)

HONORS

Distinguished Teaching Fellow, 2018-2015
College of Arts and Sciences, University of Alabama

GRANTS

PENDING

\$296,675, Lead PI: Biogenically mediated hydro- and sediment dynamics: do mussels help determine channel morphology in rivers?” National Science Foundation, Geomorphology Landuse Dynamics.

AWARDED

2020-2018

\$5,000, PI: “Improving methods used to assess extreme flood risk in rivers,” College Academy of Research, Scholarship, and Creative Activity, University of Alabama.

2019-2016

\$9,876, Co-PI: "Untangling the sediment lifecycle web," with Carla Atkinson (Biological Sciences), University of Alabama, Center for Freshwater Studies.

2018-2017

\$270,763, Lead PI: "Collaborative Research - Phase 2 Paleoflood Investigations on the Middle Tennessee River," Co-PI Gary Stinchcomb (Murray State University), senior personnel - Matthew Gage (Office of Archeology), Sarah Sherwood (University of the South), Matthew Therrell (Geography), Natasha Dimova (Geological Sciences), Rebecca Minzoni (Geological Sciences), Elliot Blair (Anthropology), Electric Power Research Institute.

2017-2016

\$74,529, Lead PI: Collaborative Research - Phase 1 Paleoflood Investigations on the Middle Tennessee River, co-PI Gary Stinchcomb (Murray State University), senior personnel Matthew Gage (Office of Archeology), Sarah Sherwood (University of the South), Matthew Therrell (Geography), Natasha Dimova (Geological Sciences), Electric Power Research Institute.

2017-2016

\$5,909, PI: "Reconstructing Past Floods in the Tennessee River Valley to Improve Flood Prediction" College Academic Research, Scholarship, Creative Activities Committee, University of Alabama.

2015-2013

\$32,000, Co-PI: "Geo-ecological modeling of riverine habitat occurrence and nutrient retention" with Jennifer Edmonds and Behzad Mortazavi (UA-Biological Sciences) and Sagy Cohen (UA-Geography) Center for Freshwater Studies, University of Alabama.

November, 2014

~\$1,200, PI: Enrichment funds to organize a panel session to take place at the 2015 annual meeting of the Association of American Geographers Association of American Geographers.

2015-2013

~\$100,000, Co-PI: Funding to employ post-doctoral researcher for 2 yrs., with Jennifer Edmonds and Behzad Mortazavi (UA-Biological Sciences) and Sagy Cohen (UA-Geography), Office of V.P. of Research, University of Alabama.

2013-2011

\$3,488, PI: "Assessing the impact of historic mill dams on rivers," Research Grants Committee, University of Alabama.

2010-2009

\$10,000, PI: "In-channel alluvial benches and their controls," National Science Foundation, Geography Spatial Science.

2006-2005

\$5,000, PI: "Understanding conditions that lead to stored sediment becoming active sediment in rivers," Research Advisory Committee, University of Alabama.

2005-2004

\$9531, Co-PI: "Spatio-temporal patterns of geomorphic adjustment in three sub-watersheds of the Hatchie River, west Tennessee with Carol Harden (University of Tennessee) National Science Foundation, Doctoral Dissertation Research Improvement.

May, 2004

\$1900: Travel grant to attend the 30th International Geographical Congress, Glasgow, Scotland, U.K., August 15-20, National Science Foundation and Association of American Geographers.

2004-2003

\$40,000, Co-PI: "Geomorphic adjustment in three sub-watersheds of the Hatchie River, west Tennessee" with Carol Harden (University of Tennessee), Tennessee Department of Environment and Conservation.

PRESENTATIONS

Invited

Davis, L. and Stinchcomb, G. 2017. Collection of paleoflood evidence. Nuclear Regulatory Commission 3rd Annual Probabilistic Flood Hazard Assessment Workshop. Rockville, MD, Dec. 4-5, 2017.

Davis, L., 2015. "The Cahaba River: an overview and nutrient cycling." NOAA/NWS National Water Science Center, National Flood Interoperability Experiment, Summer Institute, June 06, 2015.

Davis, L., 2015. "Filling in the blue lines: why geomorphic complexity matters in rivers." Department of Geosciences, Auburn University, February 06, 2015.

Davis, L., Edmonds, J., Cohen, S., and Lin, L., 2014. "Understanding patch and system-scale geomorphic complexity in the Cahaba River and its implications for identifying nitrogen retention hotspots." Alabama Clean Watershed Partnership – Cahaba River Section Meeting, Birmingham, AL, April 01, 2014.

Davis, L., 2009. "Legacy effects of historic agriculture on streams in the southeastern U.S." Department of Geography, University of North Alabama, Florence, AL, March 02, 2009.

Conferences

Lisa Davis and Rachel Lombardi. Cave and rock overhang slackwater deposits and their potential for paleoflood stage reconstruction in alluvial channel settings. Paper Presentation, Annual Meeting of the American Association of Geographers, New Orleans, LA, April 10-14, 2018.

Lisa Davis, Gary Stinchcomb, Matthew Therrell, Matthew Gage, Steve Forman, Rachel Lombardi and Christopher L. Stewart. Is the present a key to the past or is the past a key to the present? A look into the paleoflood record of the Tennessee River in Alabama. Paper Presentation, Alabama Water Resources Symposium, September 06-08, 2017.

Lisa Davis, Gary Stinchcomb, David S. Leigh, Matthew Gage, Steve Forman, Rachel Lombardi and Christopher L. Stewart. Spatio-temporal patterns of floods in the eastern U.S. over the last 10,000 yrs. Poster Presentation, Global Flood Partnership Meeting, Tuscaloosa, AL, June 27-29, 2017.

Lisa Davis, Rachel Lombardi, Gary Stinchcomb, Matthew Therrell, Matthew Gage, Sarah Sherwood, Lance Stewart. A regional paleoflood analysis for the eastern U.S., implications for extreme flood frequency." Poster presentation, Association of American Geographers Annual Meeting, Boston, MA, April 5-9, 2017.

Lisa Davis, Gary Stinchcomb, Matthew Gage, Sarah Sherwood, and Rachel Lombardi, 2016. Locating paleoflood deposits in eastern rivers of the U.S. Poster presentation, 5th International Paleoflood Symposium, September 11-16, Rapid City, SD.

Lisa Davis and Nicholas Haney, 2016. Are alluvial benches uniquely tied to human agency? Paper Presentation, American Association of Geographers Annual Meeting, March 28-April 2, 2016, San Francisco, CA.

Lisa Davis and Greg Pierce, 2015. Filling in the blue lines: a fluvial complexity map of the Cahaba River (AL). Poster Presentation, American

Water Resources Association-Alabama Chapter Annual Meeting, Sept. 9-11, 2015, Orange Beach, AL.

Lisa Davis and Laurence Lin, 2015. Experimental research on the effects of reach-scale geomorphologic complexity and nitrogen retention in rivers." Paper Presentation, Association of American Geographers, April 21-25, 2015.

Lin, L., Chapman, E., and **Davis, L.**, 2014. "Influence of geomorphic spatial arrangement to in-stream nitrogen retention." Paper Presentation American Water Resources Association-Alabama Chapter Annual Meeting, Sept. 3-5, Orange Beach, AL.

Davis, L., 2014. "Understanding patch and system-scale geomorphic complexity in the Cahaba River and its implications for identifying nitrogen retention hotspots." Paper Presentation, Association of American Geographers, April 7-12, 2014, Tampa, FL.

Davis, L., 2013. "Developing a statistical model for locating bedrock shoal habitat to aid in understanding naturally occurring denitrification processes in a mid-sized river" Poster Presentation, American Geophysical Union, Fall Meeting, Dec. 9-13, San Francisco, CA.

Davis, L., 2013. "When is an alluvial bench just a bench?" Paper presentation, Southeastern Division of the Association of American Geographers annual meeting, Nov. 24-26, Roanoke, VA.

Davis, L. and Royall, P.D., 2012. Changes in valley sedimentation in streams of the southern Piedmont (USA), Geological Society of America Annual Meeting, Charlotte, NC, Nov. 4 – 7.

Davis, L. and Royall, P.D., 2012. In-channel alluvial benches: formative processes and implications for field determination of bankfull stage" American Water Resources Association-Alabama Chapter Annual Meeting, Orange Beach, AL, Sept. 5 –7.

Davis, L., 2012. "Identification of factors contributing to bank stability in channelized, alluvial streams." Paper presentation, Association of American Geographers Annual Meeting, New York City, NY, Feb. 24 – 28.

Davis, L., 2011. "Rivers and carbon cycling: investigating the carbon storage potential of in-channel river deposits." Poster presentation, Association of American Geographers Annual Meeting, Seattle, Washington, Apr. 12 – 16.

Coker, K. and **Davis, L.**, 2010. "Organic carbon storage and in-channel deposits." Paper Presentation, Greater Atlanta Geomorphology and Hydrology Research Conference, University of Georgia, Athens, GA, Dec. 4.

Zimmerman, B. and **Davis, L.**, 2010. "Analysis of carbon storage in small watershed floodplains." Paper Presentation, Greater Atlanta Geomorphology and Hydrology Research Conference, University of Georgia, Athens, GA, Dec. 4.

Davis, L., Rodgers, A., and Barrett, S., 2010. "Particulate carbon storage and in-channel river deposits: an overlooked carbon storage zone?" Poster Presentation, Southeastern Division of the Association of American Geographers Annual Meeting, Birmingham, AL, Nov. 21-23.

Davis, L. and Brommer, D., 2010. "Observations of Environmental Change in Cuba." Cuba Week, University of Alabama, Tuscaloosa, AL, Oct. 10-14.

Davis, L. and Royall, D., 2010. "In-channel alluvial benches and incipient floodplains in selected Piedmont Streams of the Southeastern U.S." Paper presentation, Association of American Geographers Annual Meeting, Washington, D.C., April 14-18.

Royall, D. and **Davis, L.**, 2009. "In-channel alluvial benches in small watersheds: examples from the Southern Piedmont" Paper Presentation, Southeastern Division of the Association of American Geographers Annual Meeting, Knoxville, TN, November 22-24.

Davis, L., 2009. "Characteristics of Transport Limited Reaches: Implications for Geomorphic Adjustment." Paper Presentation, Association of American Geographers Annual Meeting, Las Vegas, NV, March 22 - 27.

Davis, L., 2009. "Notes from a Small Island: Observations of Environmental Change in Cuba." Invited Speaker Department of Geography Colloquium Series, University of Alabama, Tuscaloosa, AL, March 06.

Davis, L., 2008. "In-channel Sediment Storage and Channel Aggradation." Greater Atlanta Geomorphology and Hydrology Research Conference, Georgia State University, Atlanta, GA, October 25.

Davis, L., 2008. "Using the Australian Beach Model (Wright and Short, 1984) to Teach Coastal Geomorphology." Poster Presentation. National Science Foundation, On the Cutting Edge Teaching Workshop: Teaching

Geomorphology in the 21st Century, Colorado State University, Ft. Collins, CO, July 28 - August 1.

Davis, L., 2008. "Geomorphic Scales: Differences in Tributary and Main Stem Response." Poster Presentation, Association of American Geographers Annual Meeting, Boston, MA, April 15 - 19.

Davis, L., 2007. "Spatial Variability of Geomorphic Processes in Channelized Tributary Streams." Poster Presentation, Southeastern Division of the Association of American Geographers Annual Meeting, Charleston, SC, November 18 – 20.

Davis, L., 2007. "Geomorphic Constraints on Mussel Habitat, Bogue Chitto Creek, AL." Paper Presentation, Association of American Geographers Annual Meeting, San Francisco, CA, April 17 – 21.

Davis, L., 2006. "Characteristics of Bank Failure in Channelized, Tributary Streams." Poster Presentation, Southeastern Division of the Association of American Geographers Annual Meeting, Morgantown, WV, November 19 – 21.

Davis, L., 2006. "Sediment Storage and Channel Widening in a Channelized Tributary Stream." Paper Presentation, Association of American Geographers Annual Meeting, Chicago, IL, March 7 – 11.

Davis, L., 2005. "Reach Scale Sediment Processes in a Channelized Tributary." Poster Presentation, Southeastern Division of the Association of American Geographers Annual Meeting, West Palm Beach, FL, November 20 – 22.

Davis, L. and Harden, C. P., 2005. "Changing Sediment Dynamics in an Adjusting Watershed." Paper Presentation, Association of American Geographers Annual Meeting, Denver, CO, April 5 - 9.

Davis, L. and Harden, C. P., 2004. "Reach continuity and its implications for understanding geomorphic adjustment processes in channelized streams." Paper Presentation, Southeastern Division of the American Association of Geographers Annual Meeting, Biloxi, MS, Nov. 21 – 23.

Davis, L. and Harden, C. P., 2004. "Channel morphologic adjustment in response to channelization in three tributaries of the Lower Hatchie River, west Tennessee (U.S.A.)." Paper Presentation, 30th International Geographical Congress, Glasgow, Scotland (U.K.), August 15 – 20.

Davis, L. and Harden, C. P., 2004. "Channel morphologic adjustment in response to channelization in Richland Creek, a tributary of the Hatchie River, west Tennessee." Paper Presentation, Association of American Geographers Annual Meeting, Philadelphia, PA, March 14 - 19.

Davis, L. and Harden, C. P., 2004. "Including sediment dynamics in studies of geomorphic adjustment: preliminary results from a tributary of the Hatchie River, west Tennessee." Paper Presentation, American Water Resources Association – Tennessee Division, Montgomery Bell State Park, TN, March 31 – April 2.

Davis, L. and Harden, C. P., 2003. "Preliminary results from a study of geomorphic adjustment in Richland Creek, a tributary of the Hatchie River, west Tennessee." Poster Presentation, Southeastern Division of the Association of American Geographers Annual Meeting, Charlotte, NC, Nov. 22 – 25.

Davis, L. and Grissino-Mayer, H., 2003. "Reconstructing gully activity using dendrochronology: an example from Red Bluff Gully, south-central Mississippi," Poster Presentation. Association of American Geographers Annual Meeting, New Orleans, March 5 - 8.

SERVICE 2018-2017

American Association of Geographers & Geological Society of America

- Geomorphology Specialty Group, Awards Committee
- Session organizer, 2018 annual meeting AAG

University of Alabama

- CORPS Working Group, founder and member
- Research Grants Committee, Chair Section A, Office of the Vice President of Research
- Graduate Council, Graduate School
- Committee on Program and Degree Requirements, Research and New Programs, Graduate School
- UA Delegate to University Council on Water Resources, Office of VP of Research
- Distinguished Teaching Fellow, College of Arts & Sciences
- Tenure and Promotion Committee for Retention Review, Department of Geography
- GY 101 and 102 Lab and GTA Coordinator, Department of Geography
- Curriculum Committee, Department of Geography

2017-2016

Geological Society of America

- Session organizer

American Association of Geographers

- Committee on the Status of Women in Geography, Chair
- Established Women's Mentoring Network Knowledge Community
- Session Organizer – Mentoring Session for Women Geographers

University of Alabama

- CORPS Working Group, founder and member
- Research Grants Committee, Chair Section A, Office of the Vice President of Research
- Graduate Council, Graduate School
- Committee on Program and Degree Requirements, Research and New Programs, Graduate School
- UA Delegate to University Council on Water Resources, Office of VP of Research
- Distinguished Teaching Fellow, College of Arts & Sciences
- Tenure and Promotion Committee for Retention Review, Department of Geography
- Transportation Geographer, Full Professor Search Committee, Department of Geography
- GY 101 and 102 Lab and GTA Coordinator, Department of Geography
- Curriculum Committee, Department of Geography
- Graduate Admissions and Recruitment Committee, Department of Geography
- Ph.D. Program Development Committee, Department of Geography

Manuscript Reviewer

- *Geology (1), Geomorphology (3)*

National Science Foundation

- Proposal Reviewer: Geomorphology Landuse Dynamics

2016-2015

American Association of Geographers

- Committee on the Status of Women in Geography, Chair
- Session Organizer – Mentoring Session for Women Geographers

University of Alabama

- CORPS Working Group, founder and member
- Research Grants Committee, Section A, Office of the Vice President of Research
- Graduate Council, Graduate School
- Committee on Program and Degree Requirements, Research and New Programs, Graduate School

- UA Delegate to University Council on Water Resources, Office of VP of Research
 - Distinguished Teaching Fellow, College of Arts & Sciences
 - Chair, Tenure and Promotion Committee for Retention Review, Department of Geography
 - Human Geography Search Committee, Department of Geography
 - Physical Geography Search Committee, Department of Geography
 - GY 101 and 102 Lab and GTA Coordinator, Department of Geography
 - Curriculum Committee, Department of Geography
 - Graduate Admissions and Recruitment Committee, Department of Geography
 - Ph.D. Program Development Committee, Department of Geography
- Manuscript Reviewer
- *Physical Geography (2), Geography Compass (1), Geografiska Annaler: Series A, Physical Geography (2)*

2015-2014

American Association of Geographers

- Committee on the Status of Women in Geography, Chair
- Panel Session Organizer, Committee on Status of Women
- Paper Session Organizer x 3, Geomorphology Specialty Group

University of Alabama

- UA Delegate to University Council on Water Resources, Office of VP of Research
- Environmental Science Program Director (ceased Fall, 2014)
- College Committee for 2nd and 3rd Year Faculty Retention (ceased Spring 2014)
- GY 101 and 102 Lab and GTA Coordinator, Department of Geography
- Curriculum Committee, Geography
- Graduate Admissions and Recruitment Committee, Geography
- Search Committee, Geography

Manuscript Reviewer

- *Geomorphology (2); Anthropocene (1), International Journal of Sediment Research (1), River Research and Applications (1)*

National Science Foundation

- Proposal Reviewer: BCS-Geography and Spatial Sciences

2014-2013

American Association of Geographers

- Student Award and Scholarship Committee

- Geomorphology Specialty Group – Paper Session Co-Organizer and Co-Chair, with Mike Slattery (TCU), “Fluvial Forms and Processes,” Annual Meeting, April 7-12, 2014

University of Alabama

- Environmental Science Program Director
- College Committee for 2nd and 3rd Year Faculty Retention
- GY 101 and 102 Lab and GTA Coordinator, Department of Geography
- Curriculum Committee
- Graduate Admissions and Recruitment Committee
- Search Committee (x2)

Manuscript Reviewer

- *Geomorphology, River Research and Applications, Physical Geography, Geography Compass*

National Science Foundation

- Proposal Reviewer: BCS-Geography and Spatial Sciences

2013-2012

American Association of Geographers

- Student Award and Scholarship Committee

University of Alabama

- GY 101 and 102 Lab and GTA Coordinator, Department of Geography
- Curriculum Committee
- Graduate Admissions and Recruitment Committee
- Colloquium Organizer
- Environmental Science Steering Committee
- Search Committee Chair

Manuscript Reviewer

- *River Research and Applications, Physical Geography, Southeastern Geographer*

Jacksonville State University

- Department Program Review

2012-2011

American Association of Geographers

- Student Award and Scholarship Committee
- Geomorphology Specialty Group – Student Paper Award Judge

National Science Foundation

- Proposal Reviewer: International Science and Engineering

University of Alabama

- GY 101 and 102 Lab and GTA Coordinator, Department of Geography
- Curriculum Committee
- Graduate Admissions and Recruitment Committee
- Colloquium Committee
- Environmental Science Steering Committee
- CAFÉ (Creating a Fantastic Experience) at UA

Manuscript Reviewer

- *Geomorphology, Physical Geography, Southeastern Geographer*

2011-2010

American Association of Geographers

- Student Award and Scholarship Committee

Southeastern Division of the Association of American Geographers

- Steering Committee
- Chair of Honors Committee

University of Alabama

- GY 101 and 102 Lab and GTA Coordinator, Department of Geography
- Curriculum Committee (Chair)
- Graduate Admissions and Recruitment Committee
- Colloquium Committee
- Environmental Science Steering Committee

Manuscript Reviewer

- *Geomorphology*

2010-2009

National Science Foundation

- Invited Panel Reviewer: Social, Behavioral, & Economic Sciences, Washington, D.C.
- Invited Workshop Participant: Landscapes in the Anthropocene, March 4-7, 2010, Oregon State University, Eugene, OR.

Southeastern Division of the Association of American Geographers

- Guest Co-Editor of Special Issue of *Southeastern Geographer*
- Steering Committee
- Honors Committee
- Chair of Nominations Committee
- Alabama State Representative

Manuscript Reviewer

- *Geomorphology; AGU-Earth Interactions; Journal of Hydraulic Engineering; Sustainability; Southeastern Geology*

University of Alabama

- GY 101 and 102 Lab and GTA Coordinator, Department of Geography
- Curriculum Committee (Chair)
- Graduate Admissions and Recruitment Committee
- Colloquium Committee
- Environmental Science Steering Committee

2009-2008

National Science Foundation

- Grant Proposal Reviewer: Geography and Spatial Science (Social, Behavioral, & Economic Sciences); Geomorphology and Land Use Dynamics (Geosciences)
- Teaching Workshop Participant and Presenter: Cutting Edge Workshop - Teaching Geomorphology in the 21st Century, Colorado State University, Ft. Collins, CO

Southeastern Division of the Association of American Geographers

- Steering Committee
- Nominations Committee
- Alabama State Representative

Manuscript Reviewer

- *Journal of Hydraulic Engineering; Journal of Environmental Informatics; Southeastern Geographer; Physical Geography*

University of Alabama

- Colloquium Committee
- Undergraduate Research Poster Symposium Judge, A&S - Natural Sciences
- Environmental Science Steering Committee

2008-2007

National Science Foundation

- Grant Proposal Reviewer: Geography and Spatial Science (Social, Behavioral, & Economic Sciences)

Association of American Geographers

- Paper Session Organizer

Southeastern Division of the Association of American Geographers

- Steering Committee
- Alabama State Representative

University of Alabama

- GY 101 and GY 102 Lab and Graduate Teaching Assistant Supervisor
- Undergraduate Research Poster Symposium Judge, Natural Sciences, A&S - Natural Sciences

- Presenter - SMILE Camp (devoted to encouraging girls to pursue careers in math and science)
- Environmental Science Steering Committee

2007-2006

National Science Foundation

- Grant Proposal Reviewer: Geography and Spatial Science (Social, Behavioral, & Economic Sciences)

Association of American Geographers

- Paper Session Organizer

Southeastern Division of the Association of American Geographers

- Steering Committee
- Alabama State Representative Elect

University of Alabama

- GY 101 and GY 102 Lab and Graduate Teaching Assistant Supervisor, Department of Geography
- Search Committee, New College
- A&S College Committee to Develop Natural Resources Minor
- Undergraduate Research Poster Symposium Judge, A&S - Natural Sciences
- Presenter - SMILE Camp (devoted to encouraging girls to pursue careers in math and science)
- Environmental Science Steering Committee

2006-2005

Association of American Geographers

- Paper Session Organizer

Southeastern Division of the Association of American Geographers

- Resolutions Committee

Manuscript Reviewer

- *North Carolina Geographer*

University of Alabama

- GY 101 and GY 102 Lab and Graduate Teaching Assistant Supervisor, Department of Geography
- Search Committee, Department of Geography
- Undergraduate Research Poster Symposium Judge, Natural Sciences
- Presenter – SMILE Camp (devoted to encouraging girls to pursue careers in math and science)

Environmental Science Steering Committee

**STUDENTS
MENTORED**

Current Students
Rachel Lombardi (Master's)

Matthew Koerner (Master's)

Current Undergraduate Research Assistants

William Burkett (Environmental Science)

Austin Rettinghouse (Geography)

Former Master's Students

Greg Pierce, Geological Survey of Alabama, Tuscaloosa, AL

Allison Tarbox, Watershed Manager, Coos Watershed Association,
Charleston, OR

Ryan Vaughn, Consultant, Technicall, Birmingham, AL

Nicholas Haney, Researcher, ESRI, Charlotte, NC

Jeremiah Bishop, Alabama Oil and Gas Board, Tuscaloosa, AL

Kelley Coker, Air Quality Lead, Amerigo US, Inc., Denver, CO

Bryce Zimmerman, Professional Staff, University of Arkansas-Monticello

Dustin Kimbrow, Watershed Coordinator, City of Auburn, AL

Adam Watkins, Quality Assurance Engineer, Greenway Health,
Birmingham, AL

Melissa Mayo (non-thesis), Senior Transmission Data Line Analyst, Alabama
Power

Anne Wynne (non-thesis) (co-advised with Luoheng Han), currently GIS
Specialist, Alabama Geological Survey

Former Undergraduate Research Assistants

Stephanie Hedin (Environmental Science)

Kailey Lummus (Geology)

Brett Moore (Environmental Science)

Providence Ledbetter (Environmental Science)

Keith Dunlap (Geography)

Natalie Leder (Geography)

Kari Servold (Geography)

Jeremy Hennings (Geology)

Alana Rogers (Environmental Science)

Stormi Barrett (Geography/Geology)