

## **ANDREW H. IVESTER, PH.D.**

DEPARTMENT OF GEOSCIENCES  
UNIVERSITY OF WEST GEORGIA  
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### **EDUCATION**

**Ph.D. Geography, The University of Georgia**, Athens, Georgia, 1999.

Concentrations in Geomorphology, Paleoclimatology, and Geochronology.

Dissertation: Quaternary geology of inland dunes in Georgia, U.S.A.

Advisor: David S. Leigh.

**M.A. Geography, The University of Georgia**, Athens, Georgia, 1995.

Thesis: A late Quaternary paleoenvironmental record from sediments at White Paintings Rock Shelter, Tsodilo Hills, Botswana. Advisor: George A. Brook.

**B.S. Physics, *cum laude*, Furman University**, Greenville, South Carolina, 1991.

Summer research internships: Chemical Physics (Georgia Institute of Technology), Astronomy (University of Georgia), and Astrophysics (Queen's University of Belfast, Northern Ireland).

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### **POSITIONS HELD**

<b>Adjunct Faculty</b> , University of West Georgia, Geosciences	2008-Present
<b>Energy Analyst</b> , H I Solutions, Inc., Kennesaw, GA	2007-Present
<b>External Lecturer</b> , University of Vienna, Vienna, Austria Institute of Geography and Regional Research	Spring 2014
<b>Associate Professor</b> , University of West Georgia, Geosciences	2004-2006
<b>Assistant Professor</b> , University of West Georgia, Geosciences	1999-2004
<b>Visiting Scientist</b> , Dalhousie University, Halifax, Nova Scotia, Canada, Department of Earth Sciences	1998
<b>Instructor and Research Assistant</b> , The University of Georgia, Geography	1992-1999
<b>Laboratory Assistant and Tutor</b> , Furman University, Physics Department	1990

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**PUBLICATIONS**

- Robbins, L.H., Brook, G.A., Murphy, M.L., **Ivester, A.H.**, Campbell, A.C. (2016) The Kalahari during Marine Isotope Stages 6-2 (190-12 ka): Archaeology, Palaeoenvironment and Population Dynamics. In Jones, S., Stewart, B.A., (Eds.), *Africa from MIS 6-2: Population Dynamics and Palaeoenvironments*. **Vertebrate Paleobiology and Paleoanthropology Series**, Springer, Dordrecht.
- Moore, C.R., Brooks M.J., Mallinson, D.J., Parham, P.R., Ivester, A.H., and J.K. Feathers (2016) The Quaternary evolution of Herndon Bay, a Carolina Bay on the coastal plain of North Carolina (USA): Implications for paleoclimate and oriented lake genesis. ***Southeastern Geology***.
- Dotterweich, M., **Ivester, A.H.**, Hanson, P.R., Dye, D.H., and D. Larsen (2015) Natural and human induced prehistoric and historical soil erosion and landscape development in Southwestern Tennessee, USA. ***Anthropocene*** 8:6-24.
- Rich, F.J., Taylor, B.E., Brooks, M.J., **Ivester, A.H.**, and C.O. Clement (2011) Late Pleistocene and Holocene vegetation changes in the sandhills, Fort Jackson, South Carolina. ***Southeastern Geology*** 48(3):147-163.
- Ivester, A.H.**, Brook, G.A., Robbins, L.H., Campbell, A.C., Murphy, M.L., and E. Marais (2010) A sedimentary record of environmental change at Tsodilo Hills White Paintings Rock Shelter, Northwest Kalahari Desert, Botswana. Book chapter in ***Palaeoecology of Africa: An International Yearbook of Landscape Evolution and Palaeoenvironments, Vol. 30***, African Palaeoenvironments and Geomorphic Landscape Evolution. Runge, Jurgen (editor). 400p.
- Brooks, M.J., Taylor, B.E., and **A.H. Ivester** (2010) Carolina bays: Time capsules of culture and climate change. ***Southeastern Archaeology*** 29 (2):146-163.
- Ivester, A.H.**, Poplin, E., Brooks, M.J., and G.A. Brook (2009) Life on the edge: the formation of Mathis Lake and its human occupation. ***South Carolina Antiquities*** 41: 1-16.
- Tarlera, S., Jangid, K., **Ivester, A.H.**, Whitman, W., and M. Williams (2008) Microbial community succession and bacterial diversity in soils during 77,000 years of ecosystem development. ***FEMS Microbial Ecology*** 64: 129-140.
- Ivester, A.H.** and Leigh, D.S. (2003) Riverine dunes on the coastal plain of Georgia, U.S.A. ***Geomorphology*** 51: 289-311.
- Ivester, A.H.**, Leigh, D.S, and D.I. Godfrey-Smith (2001) Chronology of inland eolian dunes on the Coastal Plain of Georgia, U.S.A. ***Quaternary Research*** 55(3): 293-302.
- Robbins, L.H., Murphy, M.L., Brook, G.A., **Ivester, A.H.**, Campbell, A.C., Klein, R.G., Milo, R.G., Stewart, K.M., Downey, W.S., and N.J. Stevens (2000) Archaeology, Palaeoenvironment, and Chronology of the Tsodilo Hills White Paintings Rock Shelter, Northwest Kalahari Desert, Botswana. ***Journal of Archaeological Science*** 27:1085-1113.
- Robbins, L.H., Murphy, M.L., Stevens, N.J., Brook, G.A., **Ivester, A.H.**, Haberyan, K.A., Klein, R.G., Milo, R., Stewart, K.M., Matthiesen, D.G., and A.J. Winkler (1996) Palaeoenvironment and archaeology of Drotsky's Cave: Western Kalahari Desert, Botswana. ***Journal of Archaeological Science*** 23:7-22.

Shaw, J.S., Guinan, E.F., and **A.H. Ivester** (1991) A study of the near-contact binary FO Virginis with the IUE. *Bulletin of the American Astronomical Society* 23:1415.

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**CONFERENCE ABSTRACTS** (undergraduate student co-authors underlined)

**Ivester, AH**, and TA Ferguson (2015) Fluvial stratigraphy and sedimentation during the Holocene and late Pleistocene at the Foxwood Farm archaeological site (38PN35) along the Oolenoy River, South Carolina. *Geological Society of America, Abstracts with Programs, 2015 Annual Meeting, Baltimore, Maryland.*

Baldwin, H, **Ivester, AH**, and TA Ferguson (2015) Loss-on-ignition (LOI) in Holocene fluvial sediments: the influence of particle-size variability. *Abstracts with Programs - Geological Society of America, SE Section Meeting.*

Chowns, TM, **Ivester, AH**, Kath, RL, Meyer, BK, Thomas, DH, and Hanson, PR (2014) A new hypothesis for the formation of the Georgia Sea Islands through the breaching of the Silver Bluff Barrier and dissection of the ancestral Altamaha-Ogeechee drainage. *Abstracts with Programs - Geological Society of America, SE Section Meeting.*

Moore, CH, Brooks, MJ, Mallinson, DJ, Parham, PR, **Ivester, AH**, and Feathers, JK (2014) Rapid scour, sand rim construction, and basin migration of a Carolina Bay in southeastern North Carolina. *Abstracts with Programs - Geological Society of America, SE Section Meeting.*

Chowns, TM, **Ivester, A.H.**, Kath, RL, and Hanson, PR (2012) Radiometric dating supports contention that Blackbeard Island is the tip of St. Catherines spit on the Georgia Coast, USA. *Geological Society of America Abstracts with Programs, Vol. 44, No. 7, p. 228.*

Dotterweich, M, **Ivester, A.H.**, Hanson, PR, Brown, R, and Foster, T (2012) Land use and soil erosion during the period of prehistoric agriculture in southeastern USA. *Geological Society of America Abstracts with Programs, Vol. 44, No. 7, p. 104.*

Moore, C.H., Brooks, M.J., **Ivester, A.H.**, Ferguson, T.A., and Feathers, JK (2012) Geoarchaeological investigations of Carolina bay sand rims in the central Savannah River area, South Carolina: Differentiating the undifferentiated. *Geological Society of America Abstracts with Programs, Vol. 44, No. 7, p. 568.*

Moore, C.H., Brooks, M.J., **Ivester, A.H.**, Ferguson, T.A., and Feathers, JK (2012) Carolina bay formation and evolution: Kaczorowski was right! *Geological Society of America Abstracts with Programs, Vol. 44, No. 7, p. 296.*

Smallwood, Shane, **Ivester, A.H.**, Moore, C.H., Brooks, M.J., Ferguson, T.A. (2012) Magnetic mineral composition and depositional processes on a Carolina bay sand rim. *Geological Society of America Abstract with Programs, 44(4): p. 2.*

Moore, C.H., Brooks, M.J., **Ivester, A.H.**, and Ferguson, T.A. (2011) Geoarchaeological investigations of Carolina Bay sand rims in the Central Savannah River Area, South Carolina: Site Formation Processes and Geochronology. *Developing International Geoarchaeology Conference, September 20-24, 2011, Knoxville, TN.*

Alexander, C., Rink, W., Jackson, C.W., Jr., Brook, G.A., and **Ivester, A.H.**, (2011) Late Holocene geologic development of the Georgia coast. *Abstracts with Programs - Geological Society of America, SE Section Meeting.*

- Lawrence H. Robbins, L.H., Brook, G.A., Murphy, M.L., **Ivester, A.H.**, and A.C. Campbell (2010) The Kalahari from stages six to two: archaeology, palaeoenvironments and population dynamics. Africa from stages 6 to 2: Population Dynamics and Palaeoenvironments. 2-4<sup>th</sup> July 2010. *McDonald Institute for Archaeological Research. University of Cambridge.*
- Moore, C.H., Brooks, M.J., **Ivester, A.H.**, and Ferguson, T.A. (2010) Geoarchaeological investigations of Carolina bays in South Carolina: Methodological approaches for interpreting site formation processes, archaeostratigraphy, and geochronology. *Abstracts with Programs - Geological Society of America, Northeast-Southeast Joint Section Meeting, Boston, MA.*
- Ivester, A.H.**, T.A. Ferguson, and S. Butler (2009) Holocene floodplain and terrace formation in Piedmont river valleys of northwestern South Carolina. *Abstracts with Programs - Geological Society of America, 58<sup>th</sup> Annual Meeting, Portland, OR.*
- Ivester, A.H.**, M.J. Brooks, and E. Poplin (2008) Geomorphological analysis of the Mathis Lake sand rim: Implications for Late Quaternary site formation processes at Carolina bays. *65<sup>th</sup> Southeastern Archaeological Conference, Charlotte, North Carolina.*
- Hyatt, J.A., **Ivester, A.H.**, and K. Bieler (2008) Developing a Sequence-Stratigraphic Model of Human-Induced Canyon Erosion in Southwest Georgia. *Human Impacts on Watershed Processes - Watershed Restoration and Management; 2008 Annual Meeting, Association of American Geographers, Boston, MA.*
- Ivester, A.H.**, Brooks, M.J., and B.E. Taylor (2007) Sedimentology and ages of Carolina Bay sand rims. *Southeastern Section Meeting-Geological Society of America, Savannah, Georgia.*
- Dunagan, Tela N. and **Ivester, A.H.** (2006) Creating a GIS of Carolina bay distribution in southeastern Georgia, USA. *Southeastern Section Meeting, Geological Society of America, 23-24 March 2006, Knoxville, TN.*
- Hyatt, J.A., **Ivester, A.H.**, Ostrowski, Todd, and T. Chowns (2006) Sedimentary Records of Human-Induced Landscape Change Associated with Massive Soil Erosion in Georgia. *Abstract for the 2006 Annual Meeting, Association of American Geographers, Chicago, Illinois.*
- Ivester, A.H.**, and M.A. Williams (2006) Holocene remobilization of inland sand dunes in the southeastern U.S. *Society for American Archaeology 71<sup>st</sup> Annual Meeting, San Juan, Puerto Rico, April 26-30, 2006.*
- Ostrowski, Todd, Hyatt, J.A., **Ivester, A.H.**, and T. Chowns (2005) Vibracore records of alluvial aggradation following massive human-induced erosion, Providence Canyon, Georgia. Paper 6-22, Northeastern Section Meeting, Geological Society of America, March 14-16, 2005.
- Williams, Mark A., Tarlera, S., **Ivester, A.H.**, and Whitman, B. (2005) Microbial community composition and diversity during 90,000 years of habitat development in soil chronosequences. NSF Sponsored Workshop "Frontiers in Exploration of the Critical Zone" University of Delaware – Newark, Delaware, October 24-26, 2005
- Ivester, A.H.**, Godfrey-Smith, D.I., Brooks, M.J., and B.E. Taylor (2004) Chronology of Carolina bay sand rims and inland dunes on the Atlantic Coastal Plain, USA. *Third New World Luminescence Dating Workshop, Halifax, NS, Canada 4-7 July 2004.*
- Alexander, C.R., **Ivester, A.H.**, Brook, G.A., and P. Srivastava (2004) Preliminary chronology of the back-barrier islands of the Georgia coast: Implications for saltmarsh formation. *AGU Chapman Conference on Salt Marsh Geomorphology: Physical and Ecological Effects on Landform, Halifax, NS, Canada 9-13 October 20*

- Reed, J.I., and A.H. **Ivester** (2003) Using RUSLE and GIS to predict erosion rates in the Snake Creek Reservoir watershed. *Abstracts with Programs - Geological Society of America* 35(6):615.
- Ivester**, A.H., Brooks, M.J., Taylor, B.E., and D.I. Godfrey-Smith (2002) Carolina bays and inland dunes of the southern Atlantic Coastal Plain yield new evidence for regional paleoclimate. *Abstracts with Programs - Geological Society of America* 34(6):273.
- Ivester**, A.H., Burns, Kimberly M., and J.I. Reed (2002) Sedimentology of a Carolina Bay sand rim, Big Bay, South Carolina. *Georgia Journal of Science* 60(1):76.
- Reed, J.I., **Ivester**, A.H., and T. Benyshek (2002) An alluvial soil chronosequence along Snake Creek in the western piedmont of Georgia USA. *Abstracts with Programs - Geological Society of America* 34(6):275.
- Rodgers, J.C. III, **Ivester**, A.H., and Durden, S.D. (2000) A Holocene Pollen Record From a Carolina Bay on the Coastal Plain of Georgia, U.S.A. *Abstracts with Programs - Geological Society of America*.
- Ivester**, A.H. and D.I. Godfrey-Smith (1999) Optically stimulated luminescence properties of eolian sediments in the Georgia Coastal Plain. *Georgia Journal of Science* 57(1):56-57.
- Leigh D.S. and A.H. **Ivester** (1999) Dunes at Fort Stewart, southeast Georgia: Geomorphology and Age. *Southeastern Division of the Association of American Geographers*. Abstracts of the Annual Meeting, 1999.
- Leigh, D.S. and A.H. **Ivester** (1998) Geomorphology of source-bordering dunes along the Canoochee River, Fort Stewart, Georgia. *Abstracts with Programs - Geological Society of America* 30(7):123.
- Ivester**, A.H. (1997) Potential buried archaeological material in the riverine eolian dunes of southeast Georgia: soil and geomorphic evidence. *Abstracts with Programs, Geological Society of America, Southeastern Division* 29(3):26.
- Ivester**, A.H. and D.S. Leigh (1997) Evidence for multiple phases of eolian dune activity along the Canoochee River, Georgia. *Georgia Journal of Science* 55(1):70.
- Ivester**, A.H. (1996) Determination of depositional environments for sand deposits in Georgia using hydraulic equivalence. *Abstracts with Programs - Geological Society of America*, 28(6):306.
- Ivester**, A.H., and G.A. Brook (1996) A Quaternary paleoenvironmental record from White Paintings Rock Shelter, Botswana. *Abstracts - Association of American Geographers 92<sup>nd</sup> Annual Meeting*: Charlotte, North Carolina. p. 141.
- Ivester**, A.H. (1994) Paleoenvironments in Botswana: a sediment analysis of White Paintings Rockshelter, Tsodilo Hills. *Georgia Journal of Science* 52(1):42.

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**TECHNICAL REPORTS AND GUIDEBOOKS**

- “Geomorphological Investigations: Archaeological sites 38RD841/842/844, Fort Jackson, South Carolina.” **Ivester, A.H.**, Brooks, M.J., Moore, C.H. (2010) Submitted to the University of South Carolina, South Carolina Institute of Archaeology and Anthropology.
- Leigh, D.S., and **A.H. Ivester** (2009) Late Pleistocene braided rivers and eolian dunes in southeastern Georgia. ***Southeastern Friends of the Pleistocene Conference, Field trip guidebook, December 2009***. University of Georgia Geomorphology Laboratory Research Report 5. Department of Geography, University of Georgia, Athens, Georgia. 21 pages.
- “Geomorphological Investigations on the North Tyger River at S-24, Spartanburg County, South Carolina.” In: Butler, S. and M. Reynolds (2009) Phase I Cultural Resources Survey S-64 Anderson Mill Road, Bridge over the North Tyger River Improvements Corridor, Spartanburg County, South Carolina. Brockington and Associates, Inc. Atlanta, Charleston, Jacksonville, Savannah.
- “Geomorphological Investigations on the North Pacolet River at Earls Ford, Spartanburg County, South Carolina.” In: Butler, Scott, (2009) Cultural Resources Survey of the S-128 North Pacolet River Bridge Replacement, Spartanburg County, South Carolina. Brockington and Associates, Inc. Atlanta, Charleston, Jacksonville, Savannah.
- “Geomorphological investigations at Mathis Lake, South Carolina” In: Weaver, Wendy, Ivester, Andrew, Lineberry, David, and Eric C. Poplin (2008) Archaeological data recovery investigations at 38AK862, Palmetto Parkway Project, Aiken County, South Carolina. Brockington and Associates, Inc. Atlanta, Charleston, Jacksonville, Savannah.
- Benson Robert W., Scott Jones, and Andrew Ivester (2007) *Phase III Excavations of 9GO231 on Lick and Salacoa Creeks, Gordon County, Georgia*. Draft report submitted to the Georgia Department of Transportation by Southeastern Archeological Services, Inc., Athens.
- Ivester, A.H.** (2006) Carolina bays of the south Atlantic coastal plain as exemplified by Big Pond, Appling County, Georgia: in Chowns, T.M., (ed.) Quaternary stratigraphy and depositional environments: Jekyll Island and the Golden Isles Parkway. ***Georgia Geological Society Guidebook*** 26(1).
- “Preliminary report on geomorphological investigations in Orange County, New York.” (2005) Report contributed to Geoarchaeology Research Associates, Riverdale, New York.
- “Natural Setting of Site 1EE505 along the Tallapoosa River, Elmore County, Alabama.” (2003) Report contributed to R. Christopher Goodwin and Associates, Inc., New Orleans.
- “Geomorphology of the Snake Creek sites, Carroll County, Georgia.” Contribution to Benyshek, T. and Wild, M. (2003) Archaeological data recovery at 9CL269 and 9CL270, H.C. (Hill) Seaton reservoir, Carroll County, Georgia. TRC, Inc. 3772 Pleasantdale Road, Suite 200; Atlanta, GA 30340-4214. Project #29852.
- “Phase I cultural resources survey and archeological inventory of the proposed Southern Liquefied Natural Gas (SLNG) Elba Island Expansion Project, Elba Island, Chatham County, Georgia.” Krause, K., Coughlin, S., Ventresca, A., George, D., Coyle, K., Ivester, A., Labadia, C., Pincoske, J., and W. Athens (2002). R. Christopher Goodwin and Associates, Inc., New Orleans.

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**GRANTS WRITTEN**

“Land use and soil erosion during the period of Mississippian agriculture in southeastern USA,” Co-investigator with Dotterweich, Markus (Institute of Geography, Johannes-Gutenberg University Mainz, Germany), 2012, **\$30,000**.

“Paleoenvironmental records from depressional wetlands in southern Georgia,” UWG Sponsored Operations, 2005-2006, **\$1,520**.

“Analysis of peat core sedimentology and plant macrofossils from Ft. Jackson, South Carolina,” UWG Student Research Assistant Program, 2005, **\$1,950**.

“Luminescence dating of alluvial and colluvial deposits at Providence Canyon, Georgia,” UWG Faculty Research Grant, 2005-2006, **\$1,500**.

“Microbial Community Composition and Dynamic During Habitat Development at Meso-and Micro-Scales in Soil Chronosequences,” National Science Foundation, Microbial Observatories and Microbial Interactions and Processes Program. 2004. Co-PI with Mark Williams, Assistant Research Professor, Department of Crop and Soil Sciences, University of Georgia; David Leigh, Associate Professor of Geography, University of Georgia; Larry West, Professor of Crop and Soil Sciences, University of Georgia; and Kang Xia, Assistant Professor of Soil Organic Chemistry, University of Georgia. \$494,414 (**Not funded**).

“Infusing science-based assessments of watershed health into policy decisions for long-term agricultural sustainability,” 2004 Southern Region Sustainable Agriculture Research and Education Grant Preproposal. Co-PI on proposal by G. Richard Larkin, Assistant Professor of Political Science, UWG. \$350,000 (**Not funded**).

“Sedimentology of eolian deposits associated with Carolina Bays,” (Renewed) UWG Student Research Assistant Program, 2003, **\$1,800**.

“Sedimentology of eolian deposits associated with Carolina Bays,” UWG Student Research Assistant Program, 2002, **\$1,800**.

“Hydraulic equivalence analysis,” UWG Student Research Assistant Program, 2001-2002, **\$1,800**.

“Hydraulic equivalence methods for distinguishing depositional environments,” UWG Faculty Research Grant, 2001-2002, **\$1,500**.

“Dissemination of Local Weather Data via the Internet,” UWG Student Research Assistant Program, 2001-2002, **\$720**.

“Buried soils in Coastal Plain eolian deposits as evidence for Holocene climatic variability,” UWG Sponsored Operations, 2001-2002, **\$1,470**.

Doctoral Research Award, Association of American Geographers, Geomorphology Specialty Group, 1997, **\$400**.

“Inland eolian dunes in Georgia: Age, morphology, and paleoenvironmental implications,” National Science Foundation, Doctoral Dissertation Research Grant, 1997-1999, **\$9,750**.

**COURSES TAUGHT**

At The University of West Georgia:

*Geography Courses*

**Physical Geography** (GEOG 1111)  
**Weather and Climate** (GEOG 1112)  
**Landform Geography** (GEOG 1113)  
**Environmental Science** (GEOG 2202)  
**Environmental Science Laboratory** (GEOG 2202L)  
**Meteorology** (GEOG 3713)  
**Energy and Sustainability** (GEOG 4082)  
**Senior Seminar Geoarchaeology** (GEOG 4084)  
**Geography of Soil** (GEOG 4203)  
**Global Environmental Change** (GEOG 4700)  
**Physical Geography for Teachers** (GEOG 7203)

*Geology Courses:*

**Physical Geology Lab** (GEOL 1121L)  
**Geomorphology** (GEOL 4003)  
**Senior Seminar** (GEOL 4501) *Quaternary Science*  
**Selected Topics in Geology** (GEOL 4985) *Soil Laboratory Methods*  
**Independent Study Courses** (GEOG 4082 and GEOL 4082). Topics including:  
Climatology, Meteorological Data Analysis, Erosional Modeling and Processes,  
Alluvial Stratigraphy, Quaternary Research.

Courses Taught at The University of Georgia (as a graduate student):

**An Introduction to Landforms** (GEOG 1113)  
**An Introduction to Landforms Laboratory** (GEOG 1113L)  
**Environmental Issues Laboratory**

Courses Taught at Georgia State University (as a Visiting Instructor):

**Geomorphology** (GEOL 4640)  
**Introduction to Remote Sensing** (GEOL 4530/6530)

Courses Taught for University of Vienna, Austria (as External Lecturer):

**Field Trip Abroad: Landscape Development in the Southern USA**



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**UNDERGRADUATE STUDENT RESEARCH DIRECTED**

2015	Helena Baldwin	Sedimentology, organic carbon content, and pedology of Holocene alluvial deposits along the Saluda River, South Carolina. <b>Presented at SEGSA, Chattanooga, TN.</b>
2012	Michele Rivera Shane Smallwood	Reconnaissance survey and mapping of a ~3.5 m-thick peat deposit along the Little Ocmulgee River near McRae, Georgia.
2011	Christopher Mew Shane Smallwood Joshua Harrison	Sedimentology of a Carolina bay sand rim, <b>Presented at SEGSA, Asheville, NC.</b>
2006	Tela Dunagan	GIS analysis of the geology of the Salacoa Creek watershed, Georgia.
	Brian Parrish	Paleoenvironmental interpretation of Salacoa Creek floodplain stratigraphy, Gordon County, Georgia.
	Danielle Purvis	Paleoenvironmental analysis of a Carolina bay, Mathis Pond, Aiken County, South Carolina.
2005	Eric Burger	Sedimentology of glacial deposits, eastern Pennsylvania.
	Tela Dunagan	GIS analysis of Carolina Bays in Chatham, Effingham, and Screven Counties, Georgia. <b>Presented at SEGSA, Knoxville, TN.</b>
	Tyler Smith & Eric Burger	Using GIS, LIDAR imagery, and fluvial stratigraphy to develop a sediment budget for a first order tributary of the Little Tallapoosa River, Carroll County, Georgia.
	Tara Mostowy	Plant microfossil / phytolith analysis using a polarizing light microscope.
2004	Anita Presnall	Quantification of phytolith abundances in a Holocene sedimentary sequence.
	Robert Watkins	Sedimentology of fluvial deposits at the Patterson Site (38SP156), South Carolina.
	Leigh Leckman	Loss on ignition analysis of organic-rich spring-head sediments.
2003	Jacqueline Reed	Erosion modeling in the Snake Creek basin. <b>Presented at GSA, Seattle, WA.</b>
	Kris Pierce	Meteorological data analysis
2002	Jacqueline Reed	A chronosequence of alluvial soils in the Snake Creek valley, Carroll County, Georgia, U.S.A. <b>Presented at GSA, Denver, CO.</b>
	Joey Davidson	Modeling paleoclimates of the Southeastern United States, 20,000 B.P. to the present.

- 2001 Anthony Lumpkin Dissemination of local weather data via the Internet.
- Kimberly Burns & Jacqueline Reed Sedimentology of a Carolina Bay sand rim, Big Bay, South Carolina. **Presented at Ga Acad. Sci., Milledgeville, GA.**
- 2000 Stacy Durden A Holocene Pollen Record From a Carolina Bay on the Coastal Plain of Georgia, U.S.A. **Presented at GSA, Reno NV.**
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#### **GRADUATE STUDENTS ADVISED**

(as external advisor)

Dawn Chapman, Ph.D. Candidate, Department of Archaeology, University of York, York, UK. Dissertation research looks at geologic source materials for mortar used in Colonial-aged buildings in and near Savannah, GA.

James Watts, Education (2001) M.Ed. State University of West Georgia. Thesis on Geographic Education in grades K-12.

Tommy Shadinger, Education (2000) M.Ed. State University of West Georgia. Thesis on influences of test scores in geography in elementary schools.

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#### **PROFESSIONAL SOCIETIES**

Association of American Geographers  
Geological Society of America  
Georgia Academy of Science  
Society for American Archaeology

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#### **REVIEWER FOR PROFESSIONAL JOURNALS**

Journal of Coastal Research  
Journal of Great Lakes Research  
Geoarchaeology  
Geomorphology  
Sedimentology  
Southeastern Geology  
Southeastern Geographer  
Quaternary Research

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#### **SERVICE RECORD**

- 2016 Invited lectures delivered for Department of Physics, Astronomy, and Geology, Berry College, Rome, GA.
- 2013 Invited lecture, Georgia State University, Atlanta, GA.
- 2006-2011 Reviewer for NSF proposals, Directorate for Geosciences
- 2009 Organizing committee, Southeastern Friends of the Pleistocene Conference, Field trip, December 2009.

- 2005-2006 Georgia Geological Society 2006 Annual Fieldtrip Planning Committee. ~200 participants in three-day program on Jekyll Island and the Altamaha River Valley of southern Georgia.
- Search Committee Chair for two faculty positions in Geography program. Successfully hired 1) Temporary Instructor in GIS and 2) Associate Professor in GIS.
- Tenure and Promotion Committee, College of Arts & Sciences. Voted on tenure/promotion decisions for 18 faculty.
- Member of Geography Program Committee for restructuring curriculum and courses for Geography BS degree program.
- 2005 Invited lecture, Geosciences Department, Georgia State University: "Luminescence dating in geomorphic and paleoenvironmental research: examples from the Atlantic Coastal Plain"
- 2004 Session Chair, Third New World Luminescence Dating Workshop, Halifax, NS, Canada July 4-7, 2004.
- 2003-2006 Helped train the Science Olympiad Climate Team for National Competition, Booth Middle School, Fayette County, GA.
- 2002 Invited lecture, Geology and Geography Department, Georgia Southern University, Statesboro, Georgia: "Quaternary research and luminescence dating."
- 2000-2002 Participant in Project InSight, Preparing Tomorrow's Teachers to use Technology (PT3) Initiative (U.S. Department of Education)
- 1999 Session Chair, *Geomorphic and other terrestrial records of Quaternary climate change in the Southeast*. 1999 Annual Meeting, Southeastern Section, Geological Society of America.
- 1998 Chair, Earth and Atmospheric Sciences Section Georgia Academy of Science. In charge of organizing 1998 section meeting and conference talks in Savannah.
- 1994 Delegation leader, Youth Science Exchange Program to Australia and New Zealand. Lead 38 high-school seniors on ecology/oceanography-oriented educational trip. Included snorkeling at the Great Barrier Reef.
- 1990 Volunteer, Société Internationale de Linguistique, Republic of Togo, West Africa. Helped with various tasks, including computer maintenance and literacy work.

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## REFERENCES

Available upon request.