

**JON ANTHONY STALLINS**

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**RESEARCH AREAS**

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Biogeography: biogeomorphology, biodiversity, and complexity/resilience  
Weather and climate: anthropogenic/urban influences on thunderstorms, climate change  
Animal geography, political ecology, science and technology studies

**EDUCATION**

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- 1995-2000 University of Georgia, Athens; Department of Geography. Ph.D. in Geography. Dissertation Title: Barrier Island Morphology and Dune Vegetation Pattern and Process in the Georgia Bight. Ph.D. Advisor: Albert J. Parker
- 1992-1995 Georgia State University, Atlanta; Department of Biology, Master of Science in Biology.
- 1980-1985 Florida State University, Tallahassee; Department of Geology. Bachelor of Science in Geology.

**ACADEMIC POSTS**

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- 2011- Associate Professor, Department of Geography, University of Kentucky
- 2006-2011 Associate Professor, Department of Geography, Florida State University
- 2006 - 2008 Graduate Program Director, Department of Geography, Florida State University
- 2000-2006 Assistant Professor, Department of Geography, Florida State University
- 1995-2000 Teaching Assistant (Lecturer and Lab Instructor), Department of Geography, University of Georgia
- 1992-1995 Lab instructor, Department of Biology, Georgia State University.
- 1986-1992 Certified Science Teacher. Atlanta Public Schools. General Science (7-12).

## RESEARCH

### MANUSCRIPTS IN PREPARATION

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Stallins, J.A. et al. Where Social Theory Meets Evolutionary Biology: Complexity, Difference, and Antibiotic Resistance

### MANUSCRIPTS IN INITIAL REVIEW (Peer-reviewed, student co-authors in bold)

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### MANUSCRIPTS UNDER REVISION

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### MANUSCRIPT REVISIONS UNDER REVIEW

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Stallins, J.A. and Corenblit, D. Barrier Dune Biogeomorphic Resilience in a Geographic Context. *Geomorphology*

### IN PRESS/ONLINE

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### PUBLISHED ARTICLES (Student co-authors in bold)

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**White, M.** and Stallins, J.A. 2016. Non-meteorological Influences on Severe Thunderstorm Warning Issuance: A Geographically-Weighted Regression of County Warning Area Boundaries, Land Cover, and Demographic Variables. *Weather, Climate, and Society* (American Meteorological Society) 9(3), 421-439.

Stallins, J.A., **Law, D.**, **Strosberg, S.** Rossi, J. 2016. Geography and Postgenomics: How Space and Place are the New DNA *GeoJournal* (Springer). doi:10.1007/s10708-016-9763-6

Zinnert, J. Stallins, J.A., Brantley, S.T., and Young, D.R. 2016. Crossing Scales: Complexity of Barrier Island Processes for Predicting Future Change. *BioScience* (American Institute for Biological Science) 67(1), 39–52.

**Monge, J.** and Stallins, J.A. 2016. Properties of Dune Topographic State Space for Six Barrier Islands of the U.S. Southeastern Atlantic Coast. *Physical Geography* 37(6): 452-475.

Watson, K., and Stallins, J.A. 2016 Honey Bees and Colony Collapse Disorder: A Pluralistic Reframing. *Geography Compass*. 10(5): 222–236.

Stallins, J.A. 2015. The ecosocial and the evolutionary. In: Labban, M., Lave, R., Stallins, J.A., Castree, N., Engel-Di Mauro, S. 2015 Towards Earthly Social Theory: Critical Reflections on Salvatore Engel-Di Mauro's Ecology, Soils, and the Left. *Progress in Physical Geography* 39: 661-686.

Corenblit, D., Baas, A., Balke, T., Bouma, T., Fromard, F., Garófano-Gómez, V., González, E., Gurnell, A.M., Hortobágyi, B., Julien, F., Kim, D., Lambs, L., Stallins, J.A., Steiger, J., Tabacchi, E. & Walcker, R. 2015. Engineer Pioneer Plants Respond To and Affect Geomorphic Constraints Similarly Along Water-Terrestrial Interfaces Worldwide. *Global Ecology and Biogeography* 24(12), 1363-1376.

- Kim, D., DeWitt, T.J., Costa, C.S.B., Kupfer, J.A., McEwan, R.W. & Stallins, J.A. 2015. Beyond bivariate correlations: Three-block Partial Least Squares Illustrated with Vegetation, Soil, and Topography. *Ecosphere* 6(8), 1-32.
- Stallins, J.A., Mast, J., and Parker, 2015 A. Resilience Theory and Thomas Vale's Plants and People: A Partial Consilience of Ecological and Geographic Concepts of Succession. *Professional Geographer* 67(1): 28–40.
- Smith, M.**, Stallins, J.A., **Maxwell, J.**, and **Van Dyke, C.** 2013. The Complex Nature of Hydrological Shifts and Tree Growth Responses to River Modification along the Apalachicola River, Florida. *Physical Geography* 34(6): 491-511.
- Stallins, J.A. and **Kelley, L.** 2013. The Embeddedness of a Native North American Snake in the Wildlife Pet Trade and the Production of Assemblage Geographies. *Annals of the Association of American Geographers* 103 (3) 417-436.
- Stallins, J.A., **J. Carpenter**, M. Bentley, W. Ashley, J.A. Mulholland. 2012 A Weekend-Weekday Cloud-to-Ground Lightning Climatology for an Urban Region and the Scale Dependency of Weekly Anthropogenic Signals. *Regional Environmental Change* 13, 137-151
- Stallins, J.A. 2012 Scale, Causality, and the New Organism-Environment Interaction. *Geoforum* 43 (2012) 427–441.
- Ashley, W. S., M. L. Bentley, and J. A. Stallins. 2012. Urban-Induced Thunderstorm Modification in the Southeast United States. *Climatic Change* 113 (2): 481-498.
- L. Jordan, J.A. Stallins, **S. Stokes**, E. Johnson, and R. Gragg 2011. Citizen Mapping and Environmental Justice: Internet Applications for Research and Advocacy. *Environmental Justice* 4(3): 155-162 (doi:10.1089/env.2010.0048).
- Ignatius, A.** and Stallins, J.A. 2011. Assessing Spatial Hydrological Data Integration to Characterize Geographic Trends in Small Reservoirs in the Apalachicola-Chattahoochee-Flint River Basin. *Southeastern Geographer* 51(3): 371-393
- Bentley, M.L., Ashley, W., and Stallins, J.A. 2010 Climatological Radar Delineation of Urban Convection for Atlanta, Georgia. *International Journal of Climatology* 30: 1589–1594.
- Stallins, J.A., **Nesius, M.**, **Smith, M.**, **Watson, K.** 2010. Biogeomorphic Characterization of Floodplain Forest Change in Response to Reduced Flows along the Apalachicola River, Florida. *River Research and Applications*. 26: 242–260
- Rose, S.**, Stallins, J.A. and Bentley, M. 2008. Concurrent Cloud-to-Ground Lightning and Precipitation Enhancement in the Atlanta, Georgia (United States), Urban Region. *Earth Interactions* 12 (11).

- Stallins, J.A. **Rose, S.** 2008. Urban Lightning: Current Research, Methods, and the Geographical Perspective. *Geography Compass*. DOI:10.1111/j.1749-8198.2008.00110.x
- Bentley, M.L. and Stallins, J.A. 2007. Synoptic Evolution of Midwestern U.S. Extreme Dewpoint Events. *International Journal of Climatology*. DOI: 10.1002/joc.1626.
- Stallins, J.A. 2007. The Biogeography of Geographers: A Visualization of Publication Content. *Physical Geography* 28(3): 261-275.
- Stallins, J.A. and Bentley, M.L. 2006 GIS-Based Assessments of Urban Cloud-to-Ground Flash Distribution for Atlanta, Georgia. *Applied Geography* 26: 242–259.
- Bentley, M. L. Lee, L. M. Stallins, J. A. 2006 Lightning at "The Master's": An Evaluation of April Thunderstorms in and near the Augusta National Golf Club. *Physical Geography* 27(3): 236-257.
- Stallins, J.A., Bentley, M., **Rose, S.** 2006. The Extent of Urban-Modified Cloud-to-Ground Flash Characteristics (1992-2003) for Atlanta, Georgia (USA). *Climatic Research* 30(2): 99-112.
- Stallins, J.A. 2005. Geomorphology and Ecology: Unifying Themes for Complex Systems in Biogeomorphology. *Geomorphology* 77(3-4): 207-216.
- Stallins, J.A. 2005 Stability Domains in Barrier Island Dune Systems. *Ecological Complexity* 2: 410-430.
- Bentley, M. And Stallins, J.A. 2005. Descriptive Climatology of Cloud-to-Ground Lightning Activity in the State of Georgia, 1992-2003. *International Journal of Climatology* 25: 1979-1996.
- Stallins, J. A. and **Griggs, J.** 2004. Influence of Historic Upland Silviculture on the Composition of Ravine Forests along the Apalachicola River, Florida. *Natural Areas Journal* 24 (3): 242-250.
- Stallins, J.A. 2004. Characterization of Urban Lightning Hazards for Atlanta, Georgia. *Climatic Change* 66: 137-150.
- Stallins, J.A. and Parker, A.J. 2003. The Influence of Complex Systems Interactions on Dune Vegetation Pattern and Process. *Annals of the Association of American Geographers*. 93(1): 13-29.
- Stallins, J.A. 2002. An Overlooked Source of Weather-Related Property Damage in the Southeast: Lightning Losses for Georgia, 1996-2000. *Southeastern Geographer* Vol. 42 (2): 296-301.
- Stallins, J.A. 2002. Dune Plant Species Diversity and Function in Two Barrier Island Biogeomorphic Systems. *Plant Ecology* 165: 183-196.

Stallins, J.A. 2001. Soil and Vegetation Patterns in Barrier Island Dune Environments. *Physical Geography* 22 (1): 79-98.

**MANUSCRIPTS IN PREPARATION** (Manuscript drafts, outlines and/or data analyses in progress)

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Topographic state space for Virginia barrier islands  
Testing state space models of barrier dune resilience  
Severe thunderstorm warnings in urban context  
Evolution in geography  
Criticality as game in academic scholarship  
Prometheus and Pandora  
Intermediate Disturbance Hypothesis Version 3.0  
Decadal change in tupelo forest change and beekeeping livelihoods  
Production of scale by microbial ecosystem engineers  
Landscape typologies of floral resource availability for honey bees

**RESEARCH GRANT PROPOSALS UNDER REVIEW**

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**RESEARCH GRANTS ACTIVITY**

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2017 Zinnert, J. (Virginia Commonwealth University), Stallins, J.A., Moore, L. (UNC-Chapel Hill). National Science Foundation - Directorate for Biological Science/MacroSystems Biology. Collaborative Proposal: Cross-scale Biogeomorphic Interactions and Sea-Level Rise on Barrier Islands. (Unfunded)

2015 Stallins, J.A. National Science Foundation Geography and Spatial Sciences Program. Characterization of dune biogeomorphic state space and its relationship to the distribution of barrier coast resilience (Unfunded)

2014 Stallins, J.A. National Science Foundation Geography and Spatial Sciences Program. "Land Cover, Floral Resources, and the Socioecological Dimensions of Apiculture. (Unfunded)

2013 Stallins, J.A., Bentley, M. National Science Foundation Geography and Spatial Sciences Program. Collaborative Research: Aerosol Effects on Thunderstorm Convection and Lightning across a North American Climatic Gradient. (Unfunded)

2012 Stallins, J.A., Horn, T. (EKU), Watson, K. (EKU-Geography). National Science Foundation Dynamics of Coupled Human Natural Systems Program. "Land Cover, Floral Resources, and the Socioecological Dimensions of Apiculture". (Unfunded)

2010-2012 Stallins, J.A. and Nesius, M. National Science Foundation Geography and Spatial Science Program Doctoral Dissertation Research Improvement Grant (\$13,750). "Evolution of food networks: Foodscape connectivity, egocentric networks, and social contagion in community supported agriculture". (8/15/2010 - 8/15/2012)

2010 Stallins, J.A. A geospatial framework for investigating honey bee declines: characterization of honey bee floral resource availability and use among apiaries in north Florida. Committee on Faculty Research Support (COFRS), Florida State University. (\$14,000).

- 2008-2010 Gamper, H. And J.A. Stallins. National Science Foundation Geography and Regional Science Doctoral Dissertation Research Improvement Grant (\$11,880). "Engineering Effects of Scale Insects on Forest Dynamics in Fragmented Tropical Montane Oak Forests of Veracruz, Mexico". (4/15/2008 - 4/15/2010).
- 2007 Stallins, J.A., Chanton, J., Inouye, B., and Ward, C. Acquisition of Dendrochronology Equipment for Research Across Disciplines. Florida State University Research Foundation - Equipment Enhancement Grant. (\$7443).
- 2007-2011 Bentley, M., Walker, A., Stallins, J.A. Collaborative Research: Climatological and Event-Based Radar Delineation of UHI Convection for Urban Corridors within the Southeastern US. National Science Foundation, co-sponsored by Geography and Regional Science Program and the Physical and Dynamic Meteorology Program in the Division of Atmospheric Sciences (\$26,957).
- 2007 Nesius M. and J.A. Stallins. Size-age Relationships Among Floodplain Forest Trees along the Apalachicola River. Bess H. Ward Honor's Undergraduate Honor's Thesis Grant, Florida State University Honor's Program (\$1000)
- 2003-2007 Stallins, J.A., Bentley, M., Konrad, C., and Diem, J. Collaborative Research: Complex Controls on the Distribution of Lightning Characteristics and Property Damage in an Urbanized Region. National Science Foundation Geography and Regional Science Program. Lead institution, FSU. (\$96,473).
- 2004 Stallins, J.A. Tupelo Forest Dynamics and Honey Production along the Apalachicola River System. Committee on Faculty Research Support (COFRS), Florida State University (\$8000).
- 2003-2005 Ueland, J.S. and Stallins, J.A. National Science Foundation Geography and Regional Science Doctoral Dissertation Research Improvement Grant Human Dimensions and Ecological Modeling of Mangrove Change in Florida. (\$11,998)
- 2004-2006 Bentley, M., Changnon, D., Stallins, J.A. Changes in the Frequency of Extreme Warm Season Surface Dewpoints in the Midwestern U.S.: Implications for Weather-Related Hazards. National Science Foundation Geography and Regional Science Program. (\$20,196).
- 2004-2005 Jue, D., Davis, F., Sellers, R., and Stallins, J. Collecting and Mapping Historical Land Use and Historic Sites in the Apalachicola River Basin. Division of Historical Resources, Florida Department of State. (\$19,332).
- 2001 Stallins, J.A. GEO 3401-Map Analysis: A Web-Based Approach to Acquiring Cartographic Skills. Program for Instructional Development, Office for Distributed and Distance Learning, Florida State University. (\$4693)
- 2001 Stallins, J.A. Forest Dynamics in the Apalachicola Estuarine Research Reserve. Association of American Geographers.(\$830)
- 2000-2001 Stallins, J.A. Effects of Topography on the Distribution of Lightning Property Damage in Atlanta, Georgia. First Year Professor Award, FSU (\$10,000).
- 1999-2000 Franklin College of Arts and Sciences Distinguished Doctoral Research Assistantship, University of Georgia. (\$10,000)

1998-1999 Stallins, J.A. Barrier Island Morphology and Dune Vegetation Pattern and Process. National Science Foundation Geography and Regional Science Program, Doctoral Dissertation Improvement Grant. (\$9675).

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### **EDITORIAL BOARDS**

2015 - Southeastern Geographer  
2011 - Physical Geography

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### **RESEARCH GRANT PROPOSAL REVIEWER - PANEL MEMBER**

2008-2010 National Science Foundation Geography and Spatial Science Program, Washington D.C.

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### **GRANT PROPOSALS - OUTSIDE REVIEWER (Since 2000)**

American Philosophical Society, Franklin Research Grants (1)  
National Science Foundation (19)  
National Geographic Society (2)  
NOAA - Sea Grant (2)  
US Dept of Energy - National Institute for Climate Change Research (3)

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### **MANUSCRIPT REVIEWER (Since 2000)**

Advances in Water Research (1)  
Ambio - A Journal of the Human Environment (1)  
Annals of the Association of American Geographers (4)  
Blackwell Publishing UK (1)  
Caribbean Journal of Science (1)  
Catena (1)  
Climate Research (2)  
Earth Surfaces Processes and Landforms (6)  
Earth Interactions (1)  
Ecological Complexity (1)  
Ecosphere (1)  
Environment and Planning A (1)  
Eos (1)  
Estuaries and Coasts (1)  
Folia Geobotanica (1)  
Georgia Sea Grant (1)  
Geoforum (1)  
Geojournal (1)  
Geomorphology (6)  
Global and Planetary Change (1)  
The Holocene (1)  
International Journal of Applied Geospatial Research (1)  
International Journal of Climatology (1)  
Journal of Geophysical Research - Atmospheres (2)  
Journal of Applied Meteorology and Climatology (3)  
Journal of Coastal Research (12)  
Land Use Policy (5)  
Nature and Culture (1)  
Plant Ecology (5)  
Physical Geography (11)  
Professional Geographer (4)  
Progress in Physical Geography (1)  
Southeastern Geographer (5)  
Transactions of the British Institute of Geographers (1)

## BOOK CHAPTERS

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Shepherd, J.M., J.A. Stallins, M. Jin, and T.L. Mote, 2010: Urban Rainfall and Convective Processes. In: *Handbook of Urban Ecology*, I. Douglas, D. Goode, M. Houch, and W. Rusong eds., Routledge Publishers.

Shepherd, J.M, J.A. Stallins, M. Jin, and T.L. Mote, 2010. Urbanization: Impacts on Clouds, Precipitation, and Lightning. Pages 1-28 in *Urban Ecosystem Ecology*, eds. Jacqueline Peterson and Astrid Volder, American Society of Agronomy-Crop Science Society of America.

## INVITED PRESENTATIONS

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2015 Stallins, J.A. Department of Biology, University of Louisville. "Barrier Island Dune State Space and Textural Discontinuities in Topography and Vegetation (October)

2014 Stallins, J.A. Department of Biology, Virginia Commonwealth University. "Barrier Island Dune State Space and Textural Discontinuities in Topography and Vegetation (December)

2011 Stallins, J.A. "Determinism, Scale, and the Difference Organisms Make". University of Kentucky, Department of Geography.

2009 Stallins, J.A. "Complexity and Diversity-Stability Debates: A Biogeomorphic Synthesis from a Geographical Perspective." FSU Department of Mathematics Complexity Seminar

2008 Stallins, J.A. "Floodplain Forest Change along the Apalachicola River: Results from Repeat Vegetation Surveys and Dendrochronology. FSU Department of Geology

2007 Stallins, J.A. Symposium on Global Warming. Florida Department of Environmental Health. Tallahassee, Florida

2006 Stallins, J.A., M. Smith, and K. Watson. "Bees and Trees in the Florida Panhandle". Coastal and Marine Conservation Lecture Series, FSU Coastal and Marine Lab Conservation Lecture Series.

2006 Stallins, J.A. "Suburban Hotspots: Patterns of Anthropogenic Lightning Enhancement in the Atlanta Region". Georgia Southern University, Department of Geology and Geography.

2006 Stallins, J.A. "The Urban Climate of Atlanta, Georgia and its Influence on Lightning and Precipitation Patterns: How Sprawl Influences and is Influenced by the Weather". Department of Oceanography, Florida State University.

2006 Stallins, J.A. "Anthropogenic Lightning Patterns for Atlanta, Georgia: A GIS-Based Approach". North Florida Chapter of the American Meteorological Society.

2005 Stallins, J.A. "A Complex Systems Biogeomorphology and its Relevance to Biogeography". Department of Biological Sciences Natural History Seminar Series, Florida State University.

2003 Stallins, J.A. "From Imagined Places to Functional Spaces: How Geography Sees the Shore". Department of Oceanography and the Center for Professional Development, Florida State University.



- 2002 Stallins, J.A. "A Short History of Why We Go to the Beach". The Nature Conservancy, Tallahassee, Florida.
- 2001 Stallins, J.A. "Barrier Island Dune Vegetation Dynamics". Department of Biological Sciences Natural History Seminar Series, Florida State University.
- 2000 Stallins, J.A. "A Short History of the Why We Go to the Beach". The Georgia Conservancy. Sapelo Island, Georgia.

#### **CONFERENCE PRESENTATIONS: REGIONAL, NATIONAL, AND INTERNATIONAL**

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- 2016 Stallins, J.A. Spatialities of Difference and Antibiotic Resistance: A Pragmatist's Guide to Working with the Human Microbiome. Paper presented at Association of American Geographers, Boston. Organized session: Microbial Matters: Towards a Geography of the Microbiome.
- 2015 Alfaro, Nicolas and Stallins, J.A. Point, gradient, and patch-based data representations of dune topographic similarity. Poster presented at Annual Meeting of the Southeastern Division of the Association of American Geographers. Pensacola, FL.
- 2015 Stallins, J.A. Panelist, Physical geography/social theory/radical politics: engaging Salvatore Engel-Di Mauro's "Ecology, Soils, and the Left", Association of American Geographers, Chicago.
- 2015 Stallins, J.A. Coastal engineering as crisis and opportunity: disturbance as a tool to track and anticipate the domain and threshold state space of barrier dunes Special Paper Session on Paper Session: Disturbance, Crisis, and Creative Construction, Association of American Geographers, Chicago.
- 2013 Stallins, J.A. Panelist, The microbial production of nature, Association of American Geographers, Los Angeles.
- 2013 Stallins, J.A. The biospatial dimensions of the postgenomic production of nature. Special Paper Session on Geographical Perspectives on Environmental Epigenetics: Transforming Ideas of Health and Environment, Association of American Geographers, Los Angeles.
- 2013 Stallins, J.A. Biospatial dimensions of the postgenomic production of nature. University of Kentucky Dimensions of Political Ecology Conference.
- 2012 Co-organizer and participant, Evolutionary Geographies Panel Session, Annual Meeting of the Association of American Geographers. New York, NY.
- 2012 Stallins, J.A. and Santalla, S. Incidental biodiversity, the middle class, and the effectual mobilities of a wildlife rehabilitation network. Special paper session on the Geographies of Wildlife, Annual Meeting of the Association of American Geographers. New York, NY.
- 2012 Stallins, J.A. and Kelley, L. The embeddedness of hognose snakes (*Heterodon* spp.) in the wildlife pet trade and the relevance of assemblage geographies for reptile conservation. Special paper session on Bodies in Motion: Animality, Movement, and the Human-Animal Relationship, Annual Meeting of the Association of American Geographers. New York, NY.

- 2012 Stallins, J.A. Narratives of collapse and decline, ecological causality, and colony collapse disorder. University of Kentucky Dimensions of Political Ecology Conference.
- 2011 Stallins, J.A. How cities modify their weather: mapping cloud-to-ground lightning in Atlanta, Georgia. University of Kentucky GIS Day.
- 2011 Stallins, J.A. and Noack, K. The influence of urban aerosols on cloud-to-ground lightning and atmospheric stability in the Atlanta, Georgia region. Florida Society of Geographers. Gainesville, FL.
- 2011 Stallins, J.A. and Santalla, S. Trends in wildlife rehabilitation over a multi-year period: birds, mammals, reptiles and the socioeconomics of animal rescue. Florida Society of Geographers. Gainesville, FL.
- 2010 Carpenter, J. and Stallins, J.A. Weekday-weekend contrasts in urban lightning modification for Atlanta, Georgia. Annual Meeting of the Association of American Geographers. Washington DC.
- 2010 Stallins, J.A. Determinism, contingency, and the difference organisms make. Annual Meeting of the Association of American Geographers. San Francisco. Washington DC.
- 2009 Stallins, J.A. New geographies of apiculture. Annual Meeting of the Southeastern Division of the Association of American Geographers. Knoxville, TN.
- 2009 Stallins, J.A., Nesius, M., Smith, M., and Watson, K. "Biogeomorphic characterization of floodplain forest change in response to reduced flows along the Apalachicola River." Environmental Flows: Water for People and Nature in the Southeast. Southeastern Environmental Flows Partnership Conference, Athens, Georgia (October).
- 2009 Bentley, M. L., Ashley, W., and J. A. Stallins, Radar and Lightning Delineation of Urban-enhanced Thunderstorms for Atlanta, Georgia (USA). International Association of Urban Climatology, 7th International Conference on Urban Climatology, Yokohama/Tokyo, Japan, June.
- 2007 Stallins, J.A. "Water Level Decline and Forest Change Along the Apalachicola River". Annual Meeting of the Association of American Geographers. San Francisco.
- 2007 Stallins, J.A. and Smith, M. "Water Level Decline and Forest Change (1977-2004) along the Apalachicola River" Florida Society of Geographers. Jacksonville, Florida.
- 2006 Watson, K. and Stallins, J.A. "Land-use Change, Social Networks of Adaptation, and the Production of Tupelo Honey in Florida's Apalachicola River Basin". Annual Meeting of the Association of American Geographers. Chicago.
- 2006 Stallins, J.A. "Differences Between Ecological Biogeography and Geomorphology: Organizing Motifs and the Role of Organisms". Special paper session on Geomorphic Effects on Ecological Processes and Patterns, Annual Meeting of the Association of American Geographers. Chicago, IL.
- 2006 Stallins, J.A., Bentley, M., and Rose, S. "Delineating Urban-Enhanced Lightning Production: an Approach Using Flash-Defined Thunderstorm Tracks". Special paper session on Climatology and Hazards of Severe Weather, Annual Meeting of the Association of American Geographers. Chicago, IL.

- 2006 Stallins, J.A. "Suburban Hotspots: Using GIS to Investigate Lightning Anomalies Associated with Atlanta's Urban Heat Island". Seven Hills Regional Users Group for GIS, Tallahassee, Florida.
- 2006 Watson, K. and Stallins, J.A. "Tupelo Honey Production in Northwest Florida: Challenges, Networks, and Livelihood Strategies". Florida Society of Geographers. Tampa, Florida
- 2005 Rose, L., Stallins, J.A., Bentley, M. "The Extent of Urban-Modified Lightning Production for Atlanta, Georgia". Special paper session on Urban Climate, Annual Meeting of the Association of American Geographers. Denver, CO.
- 2005 Stallins, J.A. "A Complex Systems Biogeomorphology and its Relevance to Biogeography". Special paper session on Unifying Themes in Biogeography, Annual Meeting of the Association of American Geographers. Denver, CO.
- 2005 Stallins, J.A. "Suburban Hotspots: Patterns of Lightning Flash Production in Atlanta, Georgia". Annual Meeting of the Southeastern Division of the Association of American Geographers. Charlotte, NC.
- 2005 M.L. Bentley and Stallins, J. A. "The Extent of Urban-Modified Cloud-to-Ground Lightning Characteristics (1992-2003) for Atlanta, Georgia (USA), 1992-2003. Asia-Oceania Geosciences Society, Singapore.
- 2004 Stallins, J.A. "Stability Domains, Plant Diversity, and Ecological Resiliency at Large Spatial Scales: Insights from Barrier Island Dune Systems". Special paper session on Geomorphology and Ecology, Annual Meeting of the Association of American Geographers. Philadelphia, PA.
- 2004 Bentley, M. L. and Stallins, J.A. "A Descriptive Lightning Climatology for Georgia, 1992-2002". International Conference on Storms, Australian Bureau of Meteorology, Brisbane, Australia (July).
- 2003 Stallins, J.A. and Griggs, J. "Influence of Historic Silviculture on the Composition of Ravine Forests along the Apalachicola River, Florida". Annual Meeting of the Southeastern Division of the Association of American Geographers. Charlotte, NC.
- 2003 Stallins, J.A. "Complex Controls on Urban Lightning Hazards for Atlanta, Georgia". Annual Meeting of the Association of American Geographers. New Orleans, LA.
- 2002 Stallins, J.A. "Complex Adaptive Systems: Methods and Models for Biogeography". Special paper session on Complexity and Geography. Annual Meeting of the Association of American Geographers. Los Angeles, CA.
- 2002 Stallins, J.A and Parker, A.J. "Dune Biogeomorphic Interactions and their Influence Upon the Patterning of Overwash". Annual Meeting of the Association of American Geographers. Los Angeles, CA.
- 2001 Stallins, J.A. "Lightning Property Damage Losses for Georgia (1996-2000) and Potential Sources of Variability in its Distribution". Annual Meeting of the Southeastern Division of the Association of American Geographers. Lexington, KY.

- 2001 Stallins, J.A. "A Comparison of Two Biodiversity Models for Barrier Island Dune Vegetation". Annual Meeting of the Association of American Geographers. New York, NY.
- 2000 Stallins, J.A. "Comparative Biogeomorphic Structuring of Dune Vegetation on a Mesotidal and a Microtidal Barrier Island". Annual Meeting of the Association of American Geographers. Pittsburgh, PA.
- 2000 Stallins, J.A. "Dune Soil and Vegetation Patterns in Two Barrier Island Geomorphic Environments". Annual Meeting of the Southeastern Division of the Association of American Geographers. Chapel Hill, NC.
- 1999 Stallins, J.A. "Dune Plant Species Diversity on a Mesotidal and a Microtidal Barrier Island". Annual Meeting of the Southeastern Division of the Association of American Geographers. Tampa, FL..

#### **ABSTRACTS, SHORT ARTICLES, CONFERENCE PROCEEDINGS**

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- 2007 Stallins, J.A. and Bentley, M. Urban Cloud-to-Ground Lightning Enhancement in Atlanta, Georgia, and its Relevance to Urban Weather Hazards. *Weather and Society Watch*, National Center for Atmospheric Research Societal Impacts Program 1(2): 2.
- 2006 Fuhrmann, C.M, Mote, T., and Stallins, J.A. An Analysis of Radar and Cloud-to-Ground Lightning Signatures Associated with Warm Season Convective Windstorms across Georgia. 5<sup>th</sup> Annual Southeast Severe Storms Symposium, American Meteorological Society.
- 2003 Stallins, J.A. Complex Controls on the Distribution of Lightning Characteristics and Property Damage in an Urban region. *National Hazards Observer* (November). URL: <http://www.colorado.edu/hazards/o/2003.html>. p. 22.
- 1996 Stallins, J.A. A Review of Terrestrial and Tidal Salt Marsh Vegetation Change on Sapelo Island, Georgia. *Georgia Journal of Science* 54(2): 96-98.

## TEACHING

### CURRENT TEACHING

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2011 - Associate Professor, Department of Geography, University of Kentucky

Courses taught (new preps shown in bold):

#### Undergraduate

**AS 132 Environment on Film**

**ENS 202 Environment and Sustainability II**

**ENS 300 Environmental Health**

GEO 130 Earth's Physical Environments

**GEO 135 Global Climate Change**

**GEO 162 Intro to Global Environmental Issues**

**GEO 406/706 Environmental Field Methods**

**GEO 406 Field Studies in Geography**

#### Undergraduate/graduate

GEO 530 Biogeography and Conservation

#### Graduate

**GEO 721 Ecological Theory in Geography**

GEO 702 **Concepts in Geography**

**GEO 721 Digital Field Methods**

#### Study Abroad

BIO 280/ENV 280 Introduction to Environmental Science (Costa Rica, Summer 2015)

BIO 475/GEOG 455 Global Environmental Change (Costa Rica, Summer 2015)

### University of Kentucky - Student mentoring

Currently serving as Directing Professor - Geography PhD Dissertations and MA theses

**Derek Law** (PhD Candidate, Co-advising with Jonathan Phillips). Geographic variability in soil microbial communities associated with treefall disturbance.

**Li-Chih Hsu** (PhD Candidate). Visualizing barrier island dune topographic state space and the detection of discontinuities and regime changes.

**Karen Kinslow** (PhD). Watershed science and policy.

Currently serving as Geography Graduate Committee Member

**Tasnuba Jerin** (PhD)

**Guetchine Gaspard** (PhD)

**Lorrayne Miralha** (MS)

Currently serving as Outside Full Committee Member

**Tyler Stumpf** (PhD Candidate, Department of Anthropology). Pre and post-contact geographic patterns in settlement/housing design.

**Vanessa Hanvey** (PhD, Department of Anthropology). Landscape features and variability in lithic raw material procurement and design

**Victoria Dekle** (PhD Candidate, Department of Anthropology). Riverine boundary detection in coastal plain archaeology along Savannah River, Georgia.

Directing Professor for completed degrees - PhD and MA

**Jackie Monge** (MA Thesis, 2014). Convergence of dune topography among multiple barrier island morphologies. Presently employed with PhotoScience in Lexington, KY.

**Sophie Strosberg** (MA Thesis, 2014). The human-hookworm assemblage: contingency and the practice of helminthic therapy. Pursuing PhD at University of Minnesota.

**Megan White** (MA Thesis, 2014). Associating severe thunderstorm warnings with demographic and landscape variables: A geographically weighted regression based mapping of forecast bias.

Graduate Committee Member for completed Geography degrees

Jimbo Jahnz (MS, 2013)

Chris Van Dyke (PhD, 2015)

Alex Rittle (MA, 2015)

Independent undergraduate research supervision

Shelby Jones (BS Biology, 2014) Structure from motion analyses

Nicolas Alfaro (BA Geography, 2015) Topographic pattern characterization of lidar data

Nathaniel Swalom (Geography, 2016) Mapping severe thunderstorm warning polygon sizes

**PAST UNIVERSITY TEACHING**

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2000 - 2011 Associate Professor, Department of Geography, Florida State University

**Courses taught** (bold-face classes were new preps):

Undergraduate

<b>GEO 1331</b>	Environmental Science
GEO 3200	Physical Geography
<b>GEO 3140</b>	<b>Map Analysis (classroom)</b>
<b>GIS 3015</b>	<b>Map Analysis (distance learning version)</b>
<b>GEO 1331</b>	<b>Environmental Science</b> (Sections also taught in FSU Learning Community)
GEO 4905	Directed Individual Study
GEO 4941	Internship in Geography
GEO 4930	<b>Undergraduate Seminar: Complexity and Hazards</b>

Undergraduate/graduate

<b>GEO 4300/5305</b>	<b>Biogeography</b>
<b>GEO 4114/5115</b>	<b>Environmental Field Methods</b>

Graduate

<b>GEO 5118</b>	<b>Geographic Research</b>
<b>GEO 5934</b>	<b>Seminar in Global Warming</b>
<b>GEO 5934</b>	<b>Seminar in Complexity Theory</b>
GEO 5908	Directed Individual Study

International Study Abroad - Sydney and Cairns, Australia (Summer 2007, 2008, 2009)

**OCE-1001**

**Oceanography**

**ISC-2003**

**Human Dimensions of Global Change**

### **FSU - Student mentoring**

#### Directing Professor for completed degrees - PhD and MS

Brad Huff (PhD 2012). Using mixed methods and spatial syntax to understand the dynamics of planned communities. Tenure track Assistant Professor, Columbus State University, Georgia.

Heather Gamper (PhD 2012). Scale insect outbreaks, forest dynamics, and fragmentation in high elevation oak forests of Veracruz, Mexico. Funded by NSF Doctoral Dissertation Improvement Grant.

Lauren Kelly (MS). (MS 2011). The embeddedness of hognose snakes (*Heterodon* spp.) in the wildlife pet trade and the relevance of assemblage geographers for reptile conservation. GIS Analyst, New Zealand.

Amber Ignatius (MS 2009). Thesis title: Big water, little water: cumulative impacts of small reservoirs in the Apalachicola-Chattahoochee-Flint River Basin. PhD candidate, University of Georgia in the Department of Geography

Shea Rose (PhD 2008). Dissertation title: A spatial analysis of lightning strikes and precipitation in the Atlanta, Georgia region. Tenure-track Assistant Professor, University of West Georgia.

Matt Smith (MS 2007). Thesis title: Long-term change in hydrology, tree growth, and forest composition along the Apalachicola River. GIS analyst, Mississippi Museum of Natural History.

George Cole (PhD 2007). Dissertation title: Hydrology-based methods of wetland delineation. FSU DeVoe Moore Dissertation Fellowship recipient. Licensed professional Surveyor.

Todd Albert (PhD 2007) Dissertation title: Anthropogenic climate change and tropical glaciers (Co-director with Dr. Jim Elsner, FSU Dept of Geography). Tenure-track Assistant Professor in Geography, University of Tennessee-Martin

Kristin Stewart (PhD, 2006). Dissertation title: Human-dolphin encounter spaces. FSU DeVoe Moore Dissertation Fellowship recipient. Practicing lawyer specializing in animal law.

Jeff Ueland (PhD, 2005). Dissertation title: Mangrove change and policy dynamics in Florida. NSF-Doctoral Dissertation Improvement Grant. FSU DeVoe Moore Dissertation Fellowship recipient. Current position: Associate Professor, Bemidji State University, MN.

Mike Wilson (MS, 2001). Thesis title: Land-use history and primate habitat, Isla Tigre, Panama. Field biologist, Florida Fish and Wildlife.

#### Directing Professor for completed Undergraduate Honor's Theses

Jeran Miller (BS, 2008) Mapping the spaces of *capoeira angola* in Salvador, Brazil

Michael Nesius (BS, 2007) Floodplain forest dendrochronology, Apalachicola River

Seneca Holland (BS, 2003) Dredging and tupelo honey production, Apalachicola River.  
Darroc Goolsby (BS, 2002) Dune vegetation of Dog Island, Florida  
Jennifer Griggs (BS, 2002) Land-use history and forest structure, Apalachicola River.

Graduate Committee Member for completed Geography degrees

Ting Liu (PhD 2014)  
Libin Zhao (PhD, 2012)  
Krista Markwardt (MS, 2011)  
Tao Zhang (PhD, 2009)  
Emily Fogarty (PhD, 2009)  
Hosuk Lee (PhD 2009)  
Rob Hodges (MS 2009)  
Jeff Dickey (PhD 2006)  
Jialing Wang (PhD 2005)  
Barry Bitters (PhD 2005)  
Emily Fogarty (MS 2004)  
Jeff Wood (MS 2004)  
Melodie Kertis (MS 2002)

Outside Graduate Committee Member for completed degrees

Justin Maxwell (PhD 2012, Geography, University of North Carolina)  
Scott Rudlosky (PhD 2010, Meteorology)  
Abe Gibson (PhD 2010 History)  
Casey TerHorst (PhD 2010, Ecology)  
Chris Wilhelm (PhD 2010 History)  
Chris Gilson (MS 2008, Geography, Northern Illinois University)  
Wilbert Butler (PhD 2008, Science Education)  
Anthony Priestas (MS 2008, Geology)  
Joe Hereford (PhD 2005, Biology)  
Pablo Munguia (PhD 2006, Biology)  
Meg Blanchard (PhD 2006, Science Education)  
Chris Fuhrmann (MS 2006, Geography, University of Georgia)  
Sarah Braun (MS 2006, Biology)

Undergraduate Honor's Thesis Committee Member for completed degrees

Evan Kalina (Meteorology, 2010)  
John Allen (Biology, 2009)  
Michael Plastini (Biology, 2008)  
Michelle Lopez (History, 2007)  
Brian Biefelt (Biology, 2005)  
Jonathan Luna (Anthropology, 2004)  
Amanda White (Biology, 2004)  
Franc Clapp (Biology, 2005)  
1995-2000 **Teaching Assistant, Department of Geography, University of Georgia.**

Lecturer

GEOG 1111 Introduction to Physical Geography



Lab instructor

GGY 200 Resources, Society, and the Environment  
GGY 121 Intro to Landforms Lab  
GGY 1111L Physical Geography Lab  
GGY 120 Weather and Climate Lab

1992-1995 **Teaching Assistant, Department of Biology, Georgia State University, Atlanta.**

Lab instructor/field assistant

BIO 693 Field Ecology of the Smoky Mts  
BIO 693 Field Ecology of the Southern Rocky Mts  
BIO 400/600 General Ecology  
BIO 103/104 General Biology  
BIO 385 Animal Biology Lab

**TEACHING AWARDS**

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2016 Teachers Who Made a Difference (UK College of Education)  
2010 Excellence in Teaching Recognition (FSU Office of the Provost)  
2009 Excellence in Teaching Recognition (FSU Office of the Provost)  
2007 FSU Undergraduate Distinguished Teaching Award (FSU Office of the Provost).  
1996-1997 Outstanding Teaching Assistant Award. University of Georgia Dept. of Geography.

## SERVICE

### UNIVERSITY AND DEPARTMENT

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#### University of Kentucky

- 2016- University Admissions Committee
- 2016- Faculty Senate Member
- 2014-2017 Departmental FMER Committee
- 2014-2015 University Educational Policies Committee (EPC)
- 2016- Chair, Departmental External Relations Committee
- 2014- Departmental External Relations Committee
- 2014 Departmental Job Search Committee (Political Ecology)
- 2011-2014 Departmental Graduate Committee
- 2011- Departmental Laboratories Advisory Committee

#### Florida State University

- 2011 FSU Office of Graduate Studies - International Dissertation Semester Research Fellowship Committee
- 2010 Academic Honor Policy Hearing Panel (Feb)
- 2009-2011 University Faculty Senate Departmental Representative
- 2008 - 2011 Faculty Senate - Teaching Evaluation Steering Committee
- 2009 - 2011 Faculty Senate - Elections Committee
- 2007-2010 Peer Evaluation Committee, FSU Department of Geography
- 2006-2009 Director of Graduate Studies, FSU Department of Geography
- 2002-2005 Bryan Hall Learning Community, Undergraduate Mentoring Program
- 2001- 2006 Coordinator, Geography Internship Program
- 2002- 2009 Webmaster, Department of Geography.
- 2002-2009 Graduate Studies Committee, Department of Geography.
- 2001-2009 Graduate Teaching Committee
- 2003 Interim Graduate Director, Fall Semester
- 2002 Faculty Sponsor, United Students (SGA Organization)
- 2003 Graduate Student Teaching Colloquium, Department of Geography

### REGIONAL, NATIONAL AND INTERNATIONAL

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- 2017 - President, AAG Biogeography Specialty Group
- 2012 Co-organizer and participant, Evolutionary Geographies Panel Session, Annual Meeting of the Association of American Geographers. New York, NY.
- 2005-2010 Program Committee, Annual Meeting of the Southeastern Division of the Association of American Geographers. Knoxville, TN
- 2009 Paper and panel session organizer and chair, 'New Geographies of Apiculture', Annual Meeting of the Southeastern Division of the Association of American Geographers. Knoxville, TN.
- 2008-2010 National Science Foundation - Geography and Spatial Sciences Grant Proposal Review Panel Member

- 2007 Reviewer, Association of the American Geographers, Biogeography Specialty Group Student Research Grant Competition
- 2005-2007 U.S. Geological Survey. Assisted in peer-review process of project reports; vegetation sampling.
- 2005 Session Discussant and Chair. Annual meeting of the Southeastern Division of the Association of American Geographers.
- 2005 Paper and panel session organizer and chair, 'Unifying Themes in Biogeography', Annual Meeting of the Association of American Geographers.
- 2004 Reviewer, Association of the American Geographers, Biogeography Specialty Group Student Research Grant Competition
- 2003-2005 STATEMAP Advisory Committee, Florida Geological Survey
- 2001-2003 State Representative for Florida, Southeastern Division of the Association of American Geographers
- 2001-2003 Coordinator, Quiz Bowl, annual meeting of the Southeastern Division of the Association of American Geographers
- 2002 Judge, Association of American Geographers-Biogeography Specialty Group Student Paper Competition.
- 2000 Session Discussant and Chair. Annual meeting of the Southeastern Division of the Association of American Geographers.

#### SYNERGISTIC ACTIVITIES

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- 2016 Latino Leadership and College Experience Camp, Eastern Kentucky University. Co-taught a mapping activity to high school students to introduce them to geography. (August)
- 2015 Invited public lecture on Global Climate Change, First Presbyterian Church, Lexington.
- 2015 Kentucky Institute for International Studies. Study abroad instruction, Costa Rica. Taught two upper level undergraduate classes.
- 2015 Providence Montessori Middle School, Lexington, KY. Digital mapping activity using Wii to introduce mapping concepts
- 2010 The Magnolia School, Tallahassee, FL. Activities with elementary and middle school students about geography and mapping.

- 2009 Conference presenter and workshop organizer and leader for a special session at the annual meeting of the American Society for Environmental History (Tallahassee, Florida) on Environmental Justice: Understanding Race, Place, Class, and Environmental Inequities - GIS and Environmental Justice. Presentation title: GPS and Google Earth: a hands-on introduction to GIS for environmental justice. Workshop participants were led through a field-based exercise on the use of a GPS.
- 2008 Nature of Science (NOS) curriculum development. Participation in a series of interviews and writing activities with faculty in FSU Department of Science Education to develop curriculum for a middle school science book.
- 2008 Identification of wood species comprising the panel for the painting *Madonna della Scala* (1522-23) by Andrea del Sarto. John and Mable Ringling Museum of Art, Sarasota, Florida.
- 2007- 2009 Organizer, and trip leader for Florida State University's International Program in Australia (Sydney and Cairns).
- 2005 Sponsor for visiting PhD candidate from University of Minho (Portugal) Department of Geography funded by a grant from the Institute of Marine Research/Luso-American Foundation.
- 2004 Project Citizen teleconference with Romanian middle school students
- 2000 Trip Organizer and Leader, Georgia Conservancy. Organized and led overnight tours to Sapelo Island, Georgia and the Great Smoky Mountains National Park. Participants were the general public.

## **MEDIA INTERVIEWS AND PUBLICATIONS**

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- 2008 Atlanta Journal Constitution (Aug 22, 2008). Gwinnett, north DeKalb get 'urban-enhanced lightning': growth brings stormier summers to metro Atlanta.
- 2007 Weather and Society Watch, National Center for Atmospheric Research (NCAR) Societal Impacts Program (SIP). Urban cloud-to-ground lightning enhancement in Atlanta, Georgia and its relevance to urban weather hazards.
- 2006 Tallahassee Democrat (Sept. 17). A sweet industry struggles to survive.
- 2006 The State, Faculty/Staff Bulletin of Florida State University (July 31). Beekeepers work hard for the honey.
- 2006 WFSU/FSU Headlines Radio News (July 28). Beekeepers work hard for the honey, despite changing tupelo forest.
- 2004 WCTV-6 Tallahassee (June 14). Striking property damage.
- 2003 WCTV-6 Tallahassee (August 6). Lightning as an under-recognized source of weather damage.

- 2003 WFSU/FSU Headlines Radio News (August 11). FSU Geography professor finds lightning does strike twice: first your property, then your pocketbook.
- 2003 WFSU/FSU Headlines Television News (October). Most damaging weather research.
- 2003 Florida State Times Newspaper (October). Lightning does strike twice.

**NON-UNIVERSITY TEACHING AND TRAINING**

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- 1986-1992 Atlanta Public Schools, Science Instructor.
- 1987 Teaching Certification, Georgia State University, Atlanta. August 1987. Performance-based doctorate certification (T-6) for General Science (7-12). Certification current.
- 1987 Teacher Recruitment and Training Program, Georgia State University, Atlanta. One of six candidates chosen statewide to participate in alternative science certification program funded by the Georgia Department of Education and the American Federation of Teachers.

**PROFESSIONAL DEVELOPMENT**

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- 2007 Eastern Apicultural Society Short Course in Beekeeping, July 31 - Aug 2, Young Harris College, GA.
- 2006 North American Dendrochronology Summer Field Week participant; Newport, OR.
- 2002 NSF Summer Workshop for New and Early Career College and University Faculty, University of Colorado-Boulder.
- 2001 Council of Instruction, Florida State University. Web-based curriculum training.
- 2001 FSU College of Social Sciences Federal Grant Writing Workshop

**PROFESSIONAL ORGANIZATIONS**

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- American Association of Geographers
- Southeastern Division of the Association of American Geographers