

CURRICULUM VITAE

Updated August, 18th, 2022

PERSONAL INFORMATION

Clinton Ivan Barineau
Professor of Geology
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EDUCATION

Florida State University, Department of Geological Sciences (now Department of Earth, Ocean, and Atmospheric Science), Ph.D. Geology with emphasis in structure-tectonics, 2009. Dissertation title: *"Superposed fault systems of the southernmost Appalachian Talladega belt: Implications for Paleozoic orogenesis in the Southern Appalachians."* PhD Advisor: Dr. James Tull, (850) 644-1448, jtull@fsu.edu

Florida State University, Department of Geological Sciences (now Department of Earth, Ocean, and Atmospheric Science), B.S. Geology, minor in Chemistry/Math, 1995.

ACADEMIC APPOINTMENTS AND OTHER SIGNIFICANT WORK EXPERIENCE

Academic Appointments

Columbus State University (current position)

College of Letters and Sciences, Department of Earth and Space Sciences
4225 University Avenue, Columbus, GA 31907

- Professor, August 2018 to present
- Department Chair, January 2016 to June 2019
- Interim Department Chair, August 2015 to January 2016
- Associate Professor, August 2013 to August 2018
- Assistant Professor, August 2007 to August 2013

Valdosta State University

Department of Physics, Astronomy, and Geosciences

1500 North Patterson Street, Valdosta, GA 31698

- Full Time Instructor, January 2001 - May 2005.

Florida State University

Department of Geological Sciences (now Department of Earth, Ocean, and Atmospheric Science)

1011 Academic Way, Tallahassee, FL 32306-4520

- Temporary Instructor, Geology Field Course, June-July 2021 and June-July 2022.
- Part-time Instructor, May-June 2000 and January-December 2005.

Tallahassee Community College

Division of Science and Mathematics

444 Appleyard Dr., Tallahassee, FL 32304

- Part-time Instructor, January 1999 to April 2000.

Other Significant Work Experience

Florida Geological Survey, Geology Bureau. 3000 Commonwealth Blvd #1, Tallahassee, FL 32303.

- Technical Support, Nov 1995 to Dec 1999.
- Lithologic logging of well data and digital construction of geologic maps.

Hecla Mining Company, Industrial Minerals Division.

- Consulting Geologist, Jul 1995 to Dec 1998
- Geologic mapping and petrographic analysis of ore bodies in Bishop, California and Rio de Janeiro, Brazil.

FIELD(S) or AREA(S) OF SPECIAL INTEREST WITHIN DISCIPLINE OR PROFESSION

My primary expertise lies in the field of geology, with special focus on structural geology, tectonics, and field-based geologic studies, including:

- Geologic history of eastern North America, especially the Neoproterozoic to Paleozoic tectonic evolution of the southern Appalachian Mountains.
- Tectonic and geological evolution of modern and ancient orogenic belts, including suprasubduction and collisional orogenesis tectonics and processes
- Deformation and strain analysis in faults and shear zones.
- Geological processes in impact craters.
- Cretaceous paleogeography of southwestern GA and southeastern AL in the vicinity of the lower Chattahoochee River Valley.

- Mineral separation techniques as part of geochemical analysis.
 - Digital geologic mapping.
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PROFESSIONAL ACTIVITIES

Externally Funded Research

National Science Foundation: Major Research Instrumentation (Award 1726629) - Acquisition of a Scanning Electron Microscope to Enhance Undergraduate and Graduate Research and Teaching in Biology, Chemistry and Earth and Space Sciences. 2017-2020. \$293, 575.

National Science Foundation: Tectonics Program (EAR: Award 1220540) – Collaborative Research: RUI: Age, Petrology, and Tectonic Setting of Purported Taconic-aged Plutons, Ashland-Wedowee-Emuckfaw Belt, Southern Appalachians. 2012-2015.

U.S. Geological Survey Educational Mapping Cooperative Program (EDMAP: Award No. G11AC20184): 1:24,000 Scale Geologic Mapping: Fortson, GA, 7.5' Quadrangle. 2010-2011.

Publications (2012 to Present)

Barineau, C.I., Sagul, D.A., and Mueller, P.A., 2022, Ordovician back-arc silicic magmatism in the southern Appalachians. Geological Society of America Bulletin.

Barineau, C., and Ortega-Ariza, D., 2021, An Upper Cretaceous paleodrainage system on the Coastal Plain unconformity of Alabama-Georgia, in Florsheim, J., Koeberl, C., McKay, M.P., and Riggs, N., eds., 2021 GSA Section Meeting Guides: Geological Society of America Field Guide 61, p. 1–26.

Barineau, C.I., 2017, Taconic Backarc-Arc Terranes in the Southern Appalachians: Correlating Geologic Units of the Blue Ridge and Western Inner Piedmont of Georgia and Alabama: in Barineau, C.I., and Tull, J.F., eds, Taconic Backarc-Arc Terranes in the Southern Appalachians: Correlating Geologic Units of the Blue Ridge and Western Inner Piedmont of Georgia and Alabama. 51st Annual Field Trip of the Georgia Geological Society., v. 36, p. 1–40.

Barineau, Clinton I., Tull, James F. and Holm-Denoma, Christopher S., 2015, A Laurentian margin back-arc: The Ordovician Wedowee-Emuckfaw-Dahlonga basin, in Holmes, A.E., ed., Diverse Excursions in the Southeast: Paleozoic to Present: Geological Society of America Field Guide 39, p. 21-78.

- Barineau, C.I., 2015, Coastal Plain Unconformity of Eastern Alabama-Western Georgia: Geologic Overview: in Barineau, C.I. and Carrick, B. ed., Geology of the Coastal Plain Unconformity: Western Georgia-Eastern Alabama. Southeastern Geological Society Guidebook No. 65, p. 2–14.
- Barineau, C.I., and Miller, J., 2015, Implications of Ordovician and Silurian Magmatism in the Southern Appalachians: in Barineau, C.I. and Carrick, B. ed., Geology of the Coastal Plain Unconformity: Western Georgia-Eastern Alabama. Southeastern Geological Society Guidebook No. 65, p. 45–56.
- Black, D.L., Clinton I. Barineau, and Frazier, W.J., 2015, Paleorelief on the Coastal Plain Unconformity of Southwestern Georgia: Evidence for a Long-Lived, Late Cretaceous Paleodrainage System.: in Barineau, C.I. and Carrick B. ed., Geology of the Coastal Plain Unconformity: Western Georgia-Eastern Alabama. Southeastern Geological Society Guidebook No. 65, p. 15–34.
- Tull, James F., Holm-Denoma, Christopher S., and Barineau, Clinton I., 2014. Early to Middle Ordovician back-arc basin in the southern Appalachian Blue Ridge: Characteristics, extent, and tectonic significance. Geological Society of America Bulletin. v. 126; no. 7/8; p. 990–1015.
- Barineau, Clinton I. and Tull, James F., 2012, The Talladega and Ashland-Wedowee-Emuckfaw Belts of Alabama: Geological Overview. Alabama Geological Society 49th Annual Field Trip Guidebook, p. 1-11.
- Tull, James F., Barineau, Clinton I., and Holm-Denoma, Christopher S., 2012, Characteristics, Extent, and Tectonic Significance of a Middle Ordovician Back-arc Basin in the Southern Appalachian Blue Ridge. Alabama Geological Society 49th Annual Field Trip Guidebook, p. 12-26.
- Barineau, Clinton I., Tull, James F. and Woodall, Jessica D., 2012, Strain Analysis on the Sub-Lay Dam Unconformity Near Jumbo, Alabama. Geological Society 49th Annual Field Trip Guidebook, p. 38-46.
- Tull, J.F., and Barineau, C.I., 2012, Overview of the stratigraphic and structural evolution of the Talladega slate belt, Alabama Appalachians, in Eppes, M.C., and Bartholomew, M.J., eds., From the Blue Ridge to the Coastal Plain: Field Excursions in the Southeastern United States: Geological Society of America Field Guide 29, p. 263–302.

Published Abstracts (2012 to Present)

****Student coauthors***

- *Fisher, S., Barineau, C.I., Smith, V.J., *O’Keeffe, B., and Tull, J.F., 2022, A Silurian Age for the Marble Hill Hornblende Schist: Implications for Igneous Activity and Metamorphism in the Southern Appalachians: Geological Society of America Abstracts With Programs, v. 54, no. 5.
- *O’Keeffe, B., Barineau, C.I., and *Fisher, S., 2022, Isolating Zircon from Mafic Rocks: Development of a Programmable, Open-Source Granular Feeder for Isolating

- Heavy Minerals in Silica Poor Rocks: Geological Society of America Abstracts With Programs, v. 54, no. 5.
- Jackson Jr, W., McKay, M., Barineau, C.I., Bollen, E., Giles, K., and Shaulis, B., 2022, Drainage Network Evolution in the Eastern Gulf Coastal Plain Determined by Detrital-Zircon Geochronology: Geological Society of America Abstracts With Programs, v. 54, no. 5.
- Barineau, C.I., and Tull, J.F., 2022, Geometry, Kinematic Evolution, and Timing of Crystalline Thrust Sheets and Associated Structures along the West Flank of the Southern Appalachian Orogen in Alabama and Georgia, USA: Geological Society of America Abstracts With Programs, v. 54, no. 4.
- *Coffee, M., and Barineau, C.I., 2022, Rf/Phi Analysis of Feldspar in Deformed Orthogneiss: Comparing Macro- and Micro-Analytical Techniques: Geological Society of America Abstracts With Programs, v. 54, no. 4.
- *Fisher, S., Coffee, M., and Barineau, C.I., 2022, An Attempt to Resolve the Age of the Sub-Mineral Bluff Unconformity: Extracting Zircon from the Marble Hill Hornblende Schist: Geological Society of America Abstracts With Programs, v. 54, no. 4.
- Barineau, C.I., Ortega-Ariza, D., *Torres, C.M., and *Truitt, J.C., 2021, Finding the Ancestral Chattahoochee River: Evidence for a Persistent Mesozoic and Cenozoic Paleodrainage System in the Southern Appalachian Piedmont and Coastal Plain Provinces of Eastern Georgia and Western Alabama: Geological Society of America Abstracts With Programs, v. 53.
- *Do, I., *Lowery, S., and Barineau, C.I., 2019, Rf/ ϕ Analysis on Rocks of the Austell Gneiss and New Georgia Group in Proximity to the Brevard Fault Zone: Implications for the Deformation History of the Eastern Blue Ridge in Georgia, in Geological Society of America Abstracts With Programs, Charleston, SC, v. 51.
- *Halford, N.C., and Barineau, C.I., 2019, The Search for Impact Features in Proposed Target Rocks of the “Woodbury” Structure in the Pine Mountain Belt of Southwestern Georgia, in Geological Society of America Abstracts With Programs, Charleston, SC, v. 51,
- *Lowery, S., *Do, I., and Barineau, C.I., 2019, Rf/Phi Analysis on the Kowaliga Gneiss: Implications for the Brevard Zone in the Eastern Blue Ridge of Alabama, in Geological Society of America Abstracts With Programs, Charleston, SC, v. 51.
- Barineau, C.I., and Tull, J.F., 2019, The Wedowee-Emuckfaw-Dahlonge Basin and Dadeville Complex: Implications for the Brevard Zone of Alabama and Georgia, in Geological Society of America Abstracts With Programs, Charleston, SC, v. 51.
- Barineau, C.I., *Gilbert, D.J., *Roop-Eckart, K.J., and *Agrawal, S., 2018a, Regional Strain in the Eastern Blue Ridge of Alabama: Implications for Interpretation

- of the Alexander City Fault, in Geological Society of America Abstracts With Programs, Knoxville, TN, Geological Society of America, v. 50,
- Barineau, C.I., *Lowery, S., and *Do, I., 2018b, Comparison of Deformed Feldspar at Amphibolite Facies Using Rf-Phi Analysis: Significance for Regional Strain Studies, in Indianapolis, IN, v. 50.
- Barineau, C., Tull, J.F., Allison, D.T., and Holm-Denoma, C.S., 2017, Geologic Map of the Southern Appalachians of Alabama and Georgia: A Synthesis of Recent Advances in Mapping, Geochemistry, Geochronology, and Tectonic Interpretation., in Geological Society of America Abstracts With Programs, Richmond, VA, Geological Society of America, v. 49.
- Sagul, D.A., Mueller, P.A., Barineau, C., Holm, C.S., Tull, J.F., and *Carpenter, N., 2017, Petrogenetic Setting of Ordovician Plutonism, Eastern Blue Ridge, Alabama, in Geological Society of America Abstracts With Programs, Richmond, VA, Geological Society of America, v. 49.
- Tull, J.F., Barineau, C., and Holm-Denoma, C.S., 2017, Building a Unified Tectonic Model for the Taconic Orogeny in the Southernmost Appalachians, in Geological Society of America Abstracts With Programs, Richmond, VA, Geological Society of America, v. 49.
- *Miller, J.L., and Barineau, C.I., 2016, A Case of Mistaken Identity: The “Woodbury” Structure of South Central Georgia, in Geological Society of America Abstracts With Programs, v. 48.
- Barineau, C., 2016, The Failure of Facts in the Classroom, in Geological Society of America Abstracts With Programs, Denver, CO, Geological Society of America, v. 48.
- Tull, J.F., Barineau, C.I., Holm-Denoma, C.S., Farris, D.W., Mueller, P.A., and Davis, B.L., 2016, Remnants of a Paired Laurentian Taconic Arc/Back-arc System in the Southernmost Appalachians, in Geological Society of America Abstracts with Programs., Columbia, SC, Geological Society of America, v. 48.
- *Miller, J., and Barineau, C.I., 2016, The “Woodbury Structure” of the Pine Mountain Belt in Meriwether County, Georgia: Impact Crater vs. Structural Dome Interpretation, in Geological Society of America Abstracts with Programs, Columbia, SC, Geological Society of America, v. 48.
- *Roop-Eckart, K.J., and Barineau, C.I., 2015, Strain Analysis Across the Margins of the Elkahatchee and Coley Creek Plutons, Alabama Eastern Blue Ridge: Implications for the Alexander City Fault, in Geological Society of America Abstracts With Programs, v. 47, p. 537.
- Barineau, Clinton I., Tull, James F. and Holm-Denoma, Christopher S., 2015, Ordovician Events in the Southern Appalachians: Synthesizing the Igneous, Sedimentary and Metamorphic Record of the Taconic Orogeny: Geological Society of America Abstracts with Programs. Vol. 47, No. 2.

- Sagul, Douglas A., Mueller, Paul A. and Barineau, Clinton I., 2015, Geochemical Analysis of the Zana Granite and Kowaliga Gneiss, Eastern Blue Ridge, Alabama. Geological Society of America Abstracts with Programs. v. 47, no. 2.
- *Carpenter, N., *Schley, R.D., Barineau, C.I., Sagul, D.A., and Mueller, P.A., 2015, The Zana Granite and Kowaliga Gneiss: Map Relationships and Geochemical Characteristics of Ordovician and Silurian Plutons in the Eastern Blue Ridge of Alabama, in Geological Society of America Abstracts With Programs, Baltimore, MD, Geological Society of America, v. 47, p. 119.
- Barineau, Clinton I., *Roop-Eckart, Kenneth J., *Schley, Rhett D, and *Carpenter, Nicholas D., 2015, Geologic Mapping with Google Earth: A GIS Alternative: Geological Society of America Abstracts with Programs. Vol. 47, No. 2.
- *Harstad, Rylleigh P. and Barineau, Clinton I., 2014, Kinematic and Age Constraints on the Alexander City Fault, Eastern Blue Ridge, Alabama.: Geological Society of America Abstracts with Programs, Vol. 46, No. 6, p.504.
- Barineau, Clinton I., Tull, James F. and Holm-Denoma, Christopher S., 2014, The Sea of Japan as a Cenozoic Analogue for the Ordovician Wedowee-Emuckfaw-Dahlonga Back-Arc Basin: Southern Appalachians: Geological Society of America Abstracts with Programs. Vol. 46, No. 3, p.86.
- *Patrick, Wenonah J. and Barineau, Clinton I., 2014, Effective Use of a Low-Cost Spiral Panning Machine for Zircon Separation: Geological Society of America Abstracts with Programs. Vol. 46, No. 3, p.79.
- Barineau, Clinton I., *Espinosa, Salvador, *Harstad, Rylleigh P., and *Smenner, Ridge A., 2014, Mapping and Structural Analysis across Emuckfaw Group-Wedowee Group Contacts in the Eastern Blue Ridge of Alabama: Geological Society of America Abstracts with Programs. Vol. 46, No. 3, p.13.
- Tull, James F. and Barineau, Clinton I., 2014, Alternative Tectonic Model for the Development of the Southern Appalachian Blountian Foreland Clastic Wedge: Geological Society of America Abstracts with Programs. Vol. 46, No. 3, p.36.
- Barineau, Clinton I.; Holm-Denoma, Christopher S.; Tull, James F.; Mueller, Paul A.; *Black, Daniel L.; and *Sagul, Douglas A., 2013, A Synthesis of Recent Contributions in Southern Appalachian Mapping, Geochemistry and Geochronology of Laurentian Margin Rocks: Part II – Latest Neoproterozoic through Ordovician. Geological Society of America Abstracts with Programs. Vol. 45, No. 7, p.809.
- Barineau, Clinton I.; Mueller, Paul A.; Holm-Denoma, Christopher S.; Tull, James F.; *Sagul, Douglas A.; *Black, Daniel L.; and Pazel, John Michael, 2013, A Synthesis of Recent Contributions in Southern Appalachian Mapping, Geochemistry and Geochronology of Laurentian Margin Rocks: Part II – Silurian through Permian. Geological Society of America Abstracts with Programs. Vol. 45, No. 7, p.809.

Barineau, Clinton I., Holm-Denoma, Christopher S., and Tull, James F., 2012, Three Phases of Taconic Accretionary Orogenesis in the Southern Appalachians. Geological Society of America Abstracts with Programs, Vol. 44, No. 7, p.173.

*Wilkes, Cheryl; *Colon, Alexander; Barineau, Clinton I.; and Hanley, Thomas B., 2012, Geology of the Fortson, Georgia, 7.5 Minute Quadrangle, Uchee Belt, Southern Appalachians. Geological Society of America Abstracts with Programs, Vol. 44, No. 4, p. 22.

*Gilmer, Jess and Barineau, Clinton I., 2012, Correlation of Ashland-Wedowee-Emuckfaw Belt and Dahlonga Gold Belt Stratigraphy, Northwestern Georgia-Northeastern Alabama, Southern Appalachians. Geological Society of America Abstracts with Programs, Vol. 44, No. 4, p. 22.

Barineau, Clinton I.; Holm-Denoma, Christopher S., and Tull James F., 2012, Growing Evidence for the Presence of Laurentian Margin Ordovician Back-Arc Basin(s) in the Southern Appalachian. Geological Society of America Abstracts with Programs, vol. 44, no. 4, p. 64.

Supervised Undergraduate Theses

Coffee, Mackenzie, 2022, Quantifying Deformation Using Feldspars as a Strain Marker [Undergraduate Honors Thesis]: Columbus State University, 49 p.

Thompson, Stephanie, 2022, Rf/Phi Analysis of Feldspar in Deformed Orthogneiss: Comparing Macro- and Micro-Analytical Techniques [Undergraduate Thesis]: Columbus State University, 41 p.

Lowery, Sara, 2020, Strain Analysis of the Eastern Blue Ridge and Adjacent Brevard Fault Zone, Southern Appalachians of Alabama and Georgia [Undergraduate Thesis]: Columbus State University, 80 p.

Do, Ivy, 2019, Rf-Phi Analysis of the Austell Gneiss in Proximity to the Brevard Fault Zone: Implications for the Deformation History of the Eastern Blue Ridge [Undergraduate Thesis]: Columbus State University, 37 p.

Lloyd, Ryan, 2018, Using Radiometric Dating to Identify a Cryptic Tectonic Event in the Southern Appalachians [Undergraduate Thesis]: Columbus State University, 12 p.

Halford, Natalie, 2018, Petrographic Analysis of Proposed Hypervelocity Impact Rocks in the Cove Structure, Pine Mountain Belt, Meriwether County, Georgia [Undergraduate Thesis]: Columbus State University, 28 p.

Roop-Eckart, Kenneth J., 2016, Strain Analysis Across the Margins of the Elkahatchee and Coley Creek Plutons, Alabama Eastern Blue Ridge: Implications for the Alexander City Fault [Undergraduate Thesis]: Columbus State University, 28 p.

- Smenner, Ridge, 2015, Petrography, geochemistry, and map relationships of the Coley Creek Orthogneiss, eastern Blue Ridge of Alabama [Undergraduate Thesis]: Columbus State University, 15 p.
- Harstad, Rylleigh, 2015, Kinematic and Age Constraints on the Alexander City Fault, Eastern Blue Ridge, Alabama [Undergraduate Thesis]: Columbus State University, 18 p.
- Schley, Rhett, 2015, Using Petrography and Geochemistry to Assess the Zana and Kowaliga Plutons of the Eastern Blue Ridge, Alabama [Undergraduate Thesis]: Columbus State University, 24 p.
- Perry, Patsy J., 2015, A Candidate for the Taconic Arc in the Southern Appalachians: The Dadeville Complex of the Alabama's Inner Piedmont [Undergraduate Thesis]: Columbus State University, 44 p.
- Patrick, Wenonah J., 2015, A Comparison of Hydraulic Sorting Techniques Useful for Concentration of Zircon [Undergraduate Thesis]: Columbus State University, 21 p.
- Carpenter, Nicholas, 2015, An Updated Map of the Zana Granite and Kowaliga Gneiss Using AutoCAD Civil 3D [Undergraduate Thesis]: Columbus State University, 32 p.
- Sagul, Douglas A., 2013, Petrographic Analysis and Significance of the Zana Granite in the Ashland-Wedowee-Emuckfaw Belt of the Southern Appalachians in Eastern Alabama [Undergraduate Thesis]: Columbus State University, 20 p.
- Perry, Matthew, 2013, Connecting Hydrologic, Atmospheric and Lithospheric Processes: A Correlation between the El Nino-Southern Oscillation Cycle and Seismic Activity along the Middle America Trench [Undergraduate Thesis]: Columbus State University, 46 p.
- Osborne, Donald, 2013, Provenance of Detrital Sand of the Eutaw Formation in Alabama and Western Georgia: Implications for Late Cretaceous Paleogeography [Undergraduate Thesis]: Columbus State University, 30 p.
- Black, Daniel, 2013, Petrography and Geologic Setting of the Kowaliga Gneiss in Eastern Central Alabama [Undergraduate Thesis]: Columbus State University, 15 p.
- Wilkes, Cheryl, 2012, Using Comparative Mineralogy of Gneissic Rocks to Delineate Stratigraphic Contacts within the Uchee Belt [Undergraduate Thesis]: Columbus State University, 11 p.
- Randall, Emily, 2012, A Comparative Analysis of Himalayan and Appalachian Rock Types Using a Field Test of Landsat Spectroscopic Data [Undergraduate Thesis]: Columbus State University, 36 p.
- Gilmer, Jess, 2012, Correlation of Ashland-Wedowee-Emuckfaw Belt and Dahlonga Gold Belt Stratigraphy, Northwestern Georgia-Northeastern Alabama,

- Southern Appalachians [Undergraduate Thesis]: Columbus State University, 30 p.
- Pearce, Darren, 2011, Geologic Significance of the Yorkville Metagranodiorite in the Blue Ridge of Northwest Georgia [Undergraduate Thesis]: Columbus State University, 28 p.
- Quinton, Page, 2010, Determining the Relationship of a Marble Body With Surrounding Rocks, Southern Appalachians, Northeast Alabama [Undergraduate Thesis]: Columbus State University, 10 p.
- Taylor, Jessica, 2008, A Stratigraphic and Depositional Interpretation of a Sand Quarry in Middle Georgia [Undergraduate Thesis]: Columbus State University, 24 p.

Graduate Thesis Committees

- Doughty, PJ, Current, The Stonewall Line Fault: Fundamental Boundary between an Ordovician Eastern Blue Ridge Back-Arc Basin and Paired Dadeville Arc Complex in the Southern Appalachians of Georgia. M.S. Thesis. Columbus State University. Thesis Advisor.
- Truitt, Jasmine, Current, An Upper Cretaceous Paleosol along the Coastal Plain Unconformity in Eastern Alabama and Western Georgia. M.S. Thesis. Columbus State University. Thesis Advisor.
- Torres, Coral, Current, Detrital Record and Headwater Evolution of a Potential Long-Lived Upper Cretaceous Paleodrainage System in Eastern Alabama and Western Georgia. M.S. Thesis. Columbus State University. Thesis Advisor.
- Caughey, Austin, 2019, Sequence Stratigraphy of Middle Mississippian Carbonates of the Southern Appalachians: Tuscumbia Limestone, Tuscumbia, AL. M.S. Thesis. Columbus State University. Committee Member.
- Harstad, Rylleigh, 2017, Geology of the 1:24,000 Roanoke East Quadrangle and investigations of the Long Island Creek Gneiss within the southernmost Appalachians, Alabama and Georgia. M.S. Thesis, Auburn University. Outside Committee Member.
- Black Daniel, 2015, A Potential Long-Lived Upper Cretaceous Paleodrainage System in the U.S. Southwestern Georgia-Southeastern Alabama Region. M.S. Thesis. Columbus State University. Thesis Advisor.
- Gilmer, Jess, 2014, Characterizing Wetland Hydrology, Chemistry, and Soils for an Endemic Crayfish, the Piedmont Blue Burrower. M.S. Thesis. Columbus State University. Committee Member.
- Wilkes, Cheryl, 2014, Topographic and 3-D Analyses of Siloe Patera, Mars Suggest a Volcanic (and not impact) origin. M.S. Thesis. Auburn University. Outside Committee Member.

Other Professional Activities

Professional field trip, organizer/co-leader, Transect across an Early Paleozoic, Laurentian Suprasubduction System: Blue Ridge and Western Inner Piedmont of Alabama-Georgia. (virtual field trip). April 3rd, 2021, 70th Annual Meeting of the Southeastern Section of the Geological Society of America.

Professional field trip, organizer/co-leader, A Late Cretaceous Paleodrainage System on the Coastal Plain Unconformity of Alabama-Georgia (virtual field trip). March 31st, 2021, 70th Annual Meeting of the Southeastern Section of the Geological Society of America.

Manuscript Reviewer, 2021, Geological Society of America Field Guide, Southeastern Section.

Book Reviewer, 2020, Roadside Geology of Alabama.

Grant Reviewer, 2019, National Science Foundation, Tectonics Program.

Professional field trip, organizer/co-leader, Taconic Backarc-Arc Terranes in the Southern Appalachians: Correlating Geologic Units of the Blue Ridge and Western Inner Piedmont of Georgia and Alabama. October 6-8, 2017, 51st Annual Field Trip of the Georgia Geological Society.

Manuscript Reviewer, 2016, Journal of Sedimentary Research.

Professional field trip, organizer/leader, Geology of the Coastal Plain Unconformity, Western Georgia-Eastern Alabama. November 6-7, 2015, Southeastern Geological Society.

Organizer and co-convener, Topical Session T7 Ordovician Tectonics of the Southern Appalachians: New Ideas on an Ancient Orogen. 2015 Southeastern Section Annual Meeting of the Geological Society of America, Chattanooga, TN. March 19th, 2015.

Grant Reviewer, 2014, NSF Proposal, Tectonics Program.

Manuscript Reviewer, 2013, Gondwanan Research.

Professional field trip, organizer/co-leader, A Laurentian margin back-arc: The Ordovician Wedowee-Emuckfaw-Dahlonge basin. March 21-22, 2015, Southeastern Section Annual Meeting of the Geological Society of America.

Professional field trip organizer/co-leader, The Talladega Slate Belt and Eastern Blue Ridge: Laurentian Plate Passive Margin to Back-Arc Basin Tectonics in the Southern Appalachian Orogen. December 14-16, 2012. 49th Annual Field Trip of the Alabama Geological Society.

Professional field trip organizer/co-leader, Overview of the stratigraphic and structural evolution of the Talladega slate belt, Alabama Appalachians. November 7-9, 2012, Annual Meeting of the Geological Society of America.

Organizer and co-convener, Topical Session T16 Linking Modern and Ancient Orogens. 2011 Annual Meeting of the Geological Society of America, Minneapolis, MN. October 9th, 2011.

Manuscript Reviewer. 2011, Geosphere.

SERVICE TO COMMUNITY

Organizer, 2020, ESS Celebrates AGI Earth Science Week. Virtual Presentations. <https://www.youtube.com/channel/UCso1S2L4HgrqUalV-49oGmw>

Presenter (virtual), 2020, Columbus Rocks! How the formation and breakup of a supercontinent created the city of Columbus, GA. ESS Celebrates AGI Earth Science Week.

Convener and Moderator (virtual), 2020, Underrepresented Groups in the Earth, Environmental and Space Sciences: A Virtual Panel Discussion with ESS Alumni and Students.

Field Trip Organizer/Leader, 2020, Geology of FDR State Park and Pine Mountain Belt. Georgia Science Teachers Association Annual Conference (Columbus, GA, February 13-14).

Field Trip Organizer/Leader, 2020, Geology of the Fall Line. Georgia Science Teachers Association Annual Conference (Columbus, GA, February 13-14).

Professional Report, 2018, Preliminary Geologic Investigation in the Vicinity of Alvaton, Georgia in Relationship to a Proposed Quarry. Prepared for Stack & Associates, P.C. representing members of the community of Alvaton, GA.

Annual presentations on Earth and Space Science topics to school groups, including students at Thomas Crossroads Elementary and Lee Middle School (Coweta County, GA), Brighten Academy (Douglas County, GA), Stowers Elementary (Ft. Benning, GA), Dowell Elementary (Cobb County, GA), Boy Scouts of America (Coweta and Muscogee counties). 2013-2021.

Co-organizer and participant, 2018 Robotics-Technology Week planning in conjunction with the Georgia FIRST Robotics competition and Ft. Benning Centennial Celebration.

Symposium co-organizer and moderator, "Climate Change: The Facts, The Fiction, The Future", a public symposium organized through the Department of Earth and Space Sciences. April 27th, 2017.

WTVM Channel 9 (Columbus, GA)

- Television interview January 2015. Slope erosion/mass wasting in the Columbus region.
- Television interview August 2013. Sinkholes/piping features in the Columbus region.

- Television interview January 2010. Haiti earthquake-earthquake potential for Georgia.

WRBL, Channel 3 (Columbus, GA)

- Television interview July 2009. Fiordland earthquake in New Zealand and the new seismic station at the Coca Cola Space Science Center.
- Television interview October 2007. Regional drought and Georgia water shortages

AWARDS AND OTHER HONORS

Columbus State University, 2016 Faculty Research and Scholarship Award

Columbus State University, 2013 Educator of the Year

Columbus State University, College of Letters and Sciences, 2013 Faculty Fellow – Outstanding Teaching

INVITED TALKS

November 16th, 2019, Columbus Public Library, *“How the Fall Line Shaped the City of Columbus”*. STEM Series.

September 4th, 2018, Muscogee County University of Georgia Extension Office and Oxbow Meadows Environmental Learning Center, *“The Fall Line: Geology of the Columbus-Phenix City Region”*. Master Naturalist Class.

January 6th, 2016, Meriwether County Chamber of Commerce and Georgia Department of Economic Development, *“The Cove: Geology of the Pine Mountain Belt”* as part of a discussion regarding a proposal to develop a tourist economy around the purported “Woodbury” impact crater.

April 2016, Department of Geosciences, University of South Alabama. *We Don't Care How You Do It Up North - Geology of the Alabama Blue Ridge and Implications for the Taconic Orogeny*.

October 2012, Oxbow Meadows Environmental Learning Center, Columbus GA: *When Columbus Had Volcanoes: The Secret Lives of Rocks*.

October 2010, Valdosta State University, Science Seminar Series. *When Georgia Had Volcanoes: The Earliest Phases of Appalachian Mountain Building*.

January 2009, Auburn University, Department of Geology and Geography colloquia. *Rotating the Taconic Orogeny 180 Degrees: An early Paleozoic accretionary orogen in the southern Appalachians*.

MAJOR COMMITTEES

2021-2022, Chair, Faculty Senate Administrator Evaluation Committee

2020-2021, Chair, Faculty Senate Administrator Evaluation Committee

2019-2020, Executive Officer, CSU Faculty Senate

2019-2022, Member, CSU Faculty Senate

2015-2019, CSU Chairs Assembly

2015-2016, CSU Faculty Senate

2014-2015, CSU Faculty Awards Selection Committee

2013-2014, CSU Search Committee, Dean: College of Letters and Sciences
