

Phillip P. Schmutz, Ph.D.

Department of Environmental Studies, University of West Florida
11000 University Parkway, Pensacola, FL 32514
pschmutz@uwf.edu

PROFESSIONAL EXPERIENCE

8/2022-present

Department Chair
Department of Earth and Environmental Sciences
University of West Florida

8/2021-present

Associate Professor
Department of Earth and Environmental Sciences
University of West Florida

8/2015-8/2021

Assistant Professor
Department of Earth and Environmental Sciences
University of West Florida

1/2015-8/2015

Postdoctoral Research Associate
Department of Geology and Geophysics
Texas A&M University

EDUCATION

PhD 2014 Louisiana State University, Geography
MS 2007 Louisiana State University, Geography
BA 2004 Baylor University, Geography & Environmental Studies

RESEARCH SPECIALIZATION AND EXPERTISE

- Topical:
 - Coastal and Aeolian Geomorphology
- Specialization:
 - Applications of Unmanned Aerial Vehicles (UAVs) in coastal ecology and geomorphology
 - Evaluation of coastal dune restoration processes and management initiatives

- Instrumentation development & design
- Statistical modeling of geomorphic processes

PUBLICATIONS (Student Co-authors Underlined)

Book Chapters [Peer Reviewed Edited Volumes]

Schmutz P.P., A.E. Potter, and A.E. Modlin. 2017. Aruba, Curacao, and Bonaire, In: Allen, C (Ed.), *Landscapes and Landforms of the Lesser Antilles*. Springer International Publishing.
<https://doi.org/10.1007/978-3-319-55787-8>.

Journal Manuscripts [Peer Reviewed]

***P.P. Schmutz**, J. Agin, S.R. Seals, and P. Tereszkieicz. In Review-2026. Wrack as Dynamic Roughness: Controls on Wind Reduction and Sediment Deposition. *Aeolian Research*

*Cox, D., **P.P. Schmutz**, and S.R. Seals. In Review-2026. Modeling Loggerhead (*Caretta caretta*) Nesting Site Selection Probability Using Presence-Pseudo-Absence Data. *Ecosphere*.

*Williams, M., and **P.P. Schmutz**. 2026. Space–Time Mapping and Identification of Sea Turtle Nesting Clusters on Pensacola Beach and Gulf Islands National Seashore, Florida. *Southeastern Geographer*. <https://doi.org/10.1353/sgo.0.a981639>.

***Schmutz, P.P.**, T. Briggs, and S.R. Seals. 2025. Lagging behind: Impact of non-native gravel within a coastal dune system. *Journal of Aeolian Research*. 72: 100957.
<https://doi.org/10.1016/j.aeolia.2024.100957>.

***Schmutz, P.P.** and A.P. Potter. 2024. Graffiti as Community Expression at Pensacola, Florida's Graffiti Bridge. *Southeastern Geographer*. 64(4), 379-383.
<https://doi.org/10.1353/sgo.2024.a942020>.

*Corkran, R., A.E. Potter, and **P.P. Schmutz**. 2023. The Impacts of Climate Change on Coastal Georgia Heritage Tourism Sites. *Southeastern Geographer*. 63(1), 36-53.
<https://doi.org/10.1353/sgo.2023.0004>.

*Nelson, S.A., and **P.P. Schmutz**. 2021. The Utility of Using a Near-Infrared (NIR) Camera to Measure Beach Surface Moisture. *Geomorphology*. 391: 107895.
<https://doi.org/10.1016/j.geomorph.2021.107895>

Harris, E., **P.P. Schmutz**, C. Jackson, M. Anaya, M. Johnson, and G. Chapman. 2020. Beach User Perception on the Economic and Ecological Importance of Sand Dunes at Pensacola Beach, Florida. *Southeastern Geographer*. 60(4): 3039-331.
<https://doi.org/10.1353/sgo.2020.0026>.

- Gunn, A., **P.P. Schmutz**, M. Wanker, D.A. Edmonds, R.C. Ewing, and D.J. Jerolmack. 2020. Macroscopic flow disequilibrium over aeolian dune fields. *Geophysical Research Letters*, 47, e2020GL088773. <https://doi.org/10.1029/2020GL088773>.
- Jackson, C., **P.P. Schmutz**, M. Harwell, and C. Littles. 2020. The ecosystem service of property protection and exposure to environmental stressors in the Gulf of Mexico. *Ocean and Coastal Management*. 104: 105017. <https://doi.org/10.1016/j.ocecoaman.2019.105017>
- Schmutz, P.P.**, T. Briggs, and P. Tereszkievicz. 2019. The utility of an omni-directional photoelectronic sensor device to measure meso-scale variability in aeolian sediment transport activity. *Journal of Aeolian Research*. 36: 61-67. <https://doi.org/10.1016/j.aeolia.2018.11.003>
- Schmutz, P.P.**, and S.L. Namikas. 2018. Measurement and modeling of the spatiotemporal dynamics of beach surface moisture content. *Journal of Aeolian Research*. 34: 35-48. <https://doi.org/10.1016/j.aeolia.2018.08.001>
- Schmutz, P.P.**, and S.L. Namikas. 2013. Measurements and Modeling of Moisture Contents Above an Oscillating Water Table: Implications for Beach Surface Moisture Dynamics. *Earth Surface Processes and Landforms*. 38 (11): 1317–1325. DOI: 10.1002/esp.3418
- Edwards, B.L., **P.P. Schmutz**, and S.L. Namikas. 2012. Comparison of surface moisture measurements to depth-integrated moisture measurements on a fine-grained beach. *Journal of Coastal Research*. 29 (6): 1284-1291. DOI: 10.2112/JCOASTRES-D-12-00008.1
- Schmutz, P.P.**, and S.L. Namikas. 2011. Utility of Delta-T Theta Probe for Obtaining Moisture Measurements from Beaches. *Journal of Coastal Research*. 27 (3): 478-485. DOI: 10.2112/08-1130.1
- Hesp, P.A., **P.P. Schmutz**, M.L. Martinez, L. Driskill, R. Orgera, K. Renken, N.A.R. Revelo, and O.A.J. Orocio. 2010. The Effect on Coastal Vegetation of Trampling on a Parabolic Dune. *Journal of Aeolian Research*. 2 (2): 105-111. DOI: 10.1016/j.aeolia.2010.03.001
- Technical Report [Non-Peer Reviewed]
Schmutz, P.P. 2021. Environmental assessment of the Captain Sams Spit and applicability of the property to accommodate a South Carolina State Park. Report # 1. South Carolina Department of Parks, Recreation, & Tourism.

RESEARCH GRANTS & CONTRACTS

External (Funded)

National Science Foundation: NSF 19-601, IUSE, Award #: 1612387. GeoScholars at University of West Florida. Research Science Specialist, 2016-2019 (\$294,224).

National Science Foundation: NSF 14-538, GSS-DDRI, Award #: 1102650. Investigation of factors controlling the dynamics of beach surface moisture content. Principal Investigator, 2011-2012 (\$11,940).

External (Non-Funded)

National Oceanic and Atmospheric Administration: NOAA-NOS-OCM-2023-2008068, Climate Resilience Regional Challenge. Dunes as a nature-based solution to enhance community resilience to coastal storms and sea-level rise. Principal Investigator, 2024-2029 (\$2,000,000).

Contract bid via Great Ecology Environment & Design Firm. Lazy Point Beach Erosion Control Site. Principal Investigator, 2023-2028 (\$174k)

Gulf of Mexico Alliance (GOMA): Florida Hurricane Irma Mini-Grant Program. The Vulnerability of Property Protection Services to Environmental Stressors along the Gulf of Mexico. Principal Investigator, 2018 (\$10,000).

National Science Foundation: NSF 15-514, Law & Social Sciences. Mapping Property Rights Tension along the Developed Shoreline. Co-Principal Investigator, 2017-2019 (\$314,742).

Internal

UWF Research Stimulus Program. Principal Investigator, 2017 (\$2,000).

STUDENTS

Graduate Students [Master's Thesis]

Completed:

- Halie Wetherington: 2025
 - *Thesis:* A Comparison of Pseudo-Absence Statistical Analysis Ratios in Relation to Sea Turtle Nesting Preferences
- Jordan Lewis: 2024
 - *Thesis:* Using a Thermal Unoccupied Aerial Vehicle (UAV) to Detect Submarine Groundwater Discharge in Escambia Bay, Florida
- Divina Cox: 2024
 - *Thesis:* Examining the Influence of Beach Morphology on Sea Turtle Nesting Behavior on Santa Rosa Island and Perdido Key, Florida
- Madison Williams: 2022
 - *Thesis:* The Spatial Variability of Sea Turtle Nest Sites Related to Beach Morphology Characteristics on Pensacola Beach and Gulf Islands National Seashore, FL
- Marley Allen: 2019
 - *Thesis:* Influence of Sand Fence Configuration on Sand Accumulation and Wind Flow

- Chloe Jackson, 2019
 - *Thesis*: Exposure of the Property Protection Service to Environmental Stressors in the Gulf of Mexico
- Meagan Russell: 2019
 - *Thesis*: Application of an Unmanned Aerial Vehicle to Assess Dune Vulnerability

In Progress:

- Maggie Darbyshire: Anticipated Completion, 2027
 - *Thesis*: TBD
- Gabrielle Westerfield: Anticipated Completion, 2027
 - *Thesis*: TBD

Undergraduate Students [Directed Research]

- Current: Lucia Dillenburg, Gabby Beemer
- Former: Joe Agin, Kyle Allen, Liliana Blouin, Tynon Briggs, Izabella Foreman, Lindsay Gutting, Amber Huggins, Bradlee Lipsey, Andrew McManaway, April Mendez, Ara Metz, Shannon 'Lexi' Nelson, Ethan Richardson, Timothy Roberts, Simone Schuster

Committee Member [Master's Degree]

- Current: Jacob Hardin
- Former: Nathan Barnes, Kelly Dunn, Emily Harris, Devin Imkee, Goldie Kpeli, Dane Leach, Haley McQueen, Bryce Finch, Michael Hopko, Nicole Rusden, Josiah Tuwa, Tyler Watson

PRESENTATIONS (UWF Students Underlined – active or former at time of project)

Invited Talks, Lectures and Presentations

2025

Schmutz, P.P. The Coastal Geomorphology of the Gulf of Mexico (GoM). UWF Honor Program Colloquium Series, Gulf of Mexico: Critically Seeing a Critical Sea. Pensacola, Florida.

2019

Schmutz, P.P. Anthropogenic and climate change impacts on dune environments on Santa Rosa Island. Florida Association of Environmental Professionals (FAEP) Northwest Chapter Annual Environmental Symposium. Pensacola, Florida.

2018

Schmutz, P.P. Autonomous/Semi-Autonomous & Unmanned Vehicle Systems: Coastal Research. 1st Annual Florida Autonomous Systems (FAST) workshop. Lakeland, Florida.

2016

Schmutz, P.P. The Effect on Coastal Vegetation of Trampling on a Parabolic Dune. Samford University, Birmingham, Alabama.

2015

Schmutz, P.P., R.C. Ewing. Mobility of dust, sand and dunes on different geomorphic surfaces of the Chihuahua Desert. White Sands National Monument Resource Management Team. May 22.

Panels

2018

"Engaging Undergraduate Students in Research Activities" (Presenter and Organizer). Southeastern Division of the American Association of Geographers, Annual Meeting, Johnson City, TN, November 18-19.

2015

"Jobs in Geography for Students: Expectations, Preparations, and Realities" (Presenter and Organizer). Southeastern Division of the American Association of Geographers, Annual Meeting, Pensacola, FL, November 22-24.

Conference Presentations and Posters

2026

Schmutz, P.P., S.R. Seals., J. Agin, P.A. Tereszkieicz. Wrack as a Roughness Element: Nonlinear Effects on Airflow and Sediment Deposition in a Coastal Dune System. International Conference on Aeolian Research, Swakopmund, Namibia, July 13-17.

2025

Schmutz, P.P., M. Williams. Space–Time Mapping and Identification of Sea Turtle Nesting Clusters on Pensacola Beach and Gulf Islands National Seashore, Florida. American Association of Geographers Conference, Annual Meeting, Detroit, MI, March 24-28.

2024

DuBose, M., R. Ledford, P.P. Schmutz, H. Hawkins, K. Owusu-Daaku, J. Pecore, A. Zambesi. Implementing a Lesson Plan to Analyze Sand Dunes. National Conference on Undergraduate Research (NCUR), Long Beach, California, April 8-10.

2023

Allen, K., P.P. Schmutz. Quantifying Seasonal Changes in a Coastal Dune on Pensacola Beach, Florida. Southeastern Division of the Association of American Geographers, Annual Meeting, Norfolk, VA. November 18-20.

Schmutz, P.P., T. Briggs, S. Seals. Lagging Behind: Impact of Non-native Gravel Within a Coastal Dune System. International Conference on Aeolian Research, Las Cruces, New Mexico, USA, July 10-14.

Blouin, L., M. Williams, P.P. Schmutz. Geomorphic Nesting Preferences of Sea Turtles on Santa Rosa Island, Florida. American Association of Geographers Conference, Annual Meeting, Denver, CO, March 23-27.

2022

Williams, M., P.P. Schmutz. Spatial-Temporal Variability of Sea Turtle Nest Sites on Pensacola Beach and Gulf Islands National Seashore, FL. American Association of Geographers Conference, Annual Meeting. virtual conference, February 25 - March 1.

2021

Lifsey, B., P.P. Schmutz. Utilizing an unmanned aerial vehicle (UAV) to assess morphological response of coastal beach and dunes to Hurricane Ida. Southeastern Division of the Association of American Geographers, Annual Meeting, Florence, AL. November 21-22.

Williams, M., P.P. Schmutz. Spatial-Temporal Variability of Sea Turtle Nest Sites on Pensacola Beach and Gulf Islands National Seashore, FL. Southeastern Division of the Association of American Geographers, Annual Meeting, Florence, AL. November 21-22.

2020

Gutting, L., P.P. Schmutz, S. Seals. Comparative Analysis of Consumer vs. Research Grade Unmanned Aerial Vehicle. American Association of Geographers Conference, Annual Meeting, Denver, CO, April 6-10.

Mendez, A., P.P. Schmutz, S. Seals. Comparison of Various Unmanned Aerial Vehicle Structure from Motion Software. American Association of Geographers Conference, Annual Meeting, Denver, CO, April 6-10.

Wilson, K., S. Seals, P.P. Schmutz. Statistical Analysis of Different Types of UAVs Over Various Northwest Florida Environments. American Association of Geographers Conference, Annual Meeting, Denver, CO, April 6-10.

2019

Watson, T., A. Metz, P. Schmutz, S. Seals. A Statistical Analysis of Coastal Beach Morphology by Various Citizen Scientist. American Geophysical Union Conference, Annual Meeting, San Francisco, CA. Dec 9-13.

Schuster, S., P. Schmutz. Affordably Assessing and Comparing Trends in Particulate Matter Concentrations Around a University Campus. American Geophysical Union Conference, Annual Meeting, San Francisco, CA. Dec 9-13.

Schmutz, P.P., J. Throckmorton. The role of ecological complexity on dune restoration. Southeastern Division of the Association of American Geographers, Annual Meeting, Wilmington, NC., November 24-25.

Jackson, C., P.P. Schmutz, Harwell, C., Littles, C. The Ecosystem Service of Property Protection and Exposure to Environmental Stressors in the Gulf of Mexico. Young Coastal Scientist and Engineers Conference, Annual Meeting, Corvallis, Oregon, August 8-10.

Roberts, T., P.P. Schmutz. A Methodological Examination of Utilizing Terrestrial Micro-LiDAR Sensors to Measure Topographic Change. Young Coastal Scientist and Engineers Conference, Annual Meeting, Corvallis, Oregon, August 8-10.

Throckmorton, J., P.P. Schmutz. Analysis of sediment accumulation under varying degrees of ecological complexity of a coastal dune restoration. Young Coastal Scientist and Engineers Conference, Annual Meeting, Corvallis, Oregon, August 8-10.

Schmutz, P.P., E. Harris. 2019. Beach User Perception on the Economic and Ecological Importance of Sand Dunes at Pensacola Beach, Florida. American Association of Geographers, Washington D.C., April 2-6.

2018

Nelson, L., P.P. Schmutz. The Utility of Using a Near-Infrared (NIR) Camera to Measure Beach Surface Moisture. Young Coastal Scientist and Engineers Conference, Annual Meeting, Merida, Mexico, November 9-11.

Russell, M., P.P. Schmutz. The Application of an Unmanned Aerial Vehicle to assess a Dun's Vulnerability. Young Coastal Scientist and Engineers Conference, Annual Meeting, Merida, Mexico, November 9-11.

Allen, M., P.P. Schmutz. The Influence of Sand Fence Configuration on Sand Accumulation and Wind Flow. Young Coastal Scientist and Engineers Conference, Annual Meeting, Merida, Mexico, November 9-11.

Schuster, S., P. Schmutz. Utilizing Arduino and Particle Microcontrollers in Environmental Science Research. American Geophysical Union Conference, Annual Meeting, Washington D.C. Dec 10-14.

Schmutz, P.P., T. Briggs, P. Tereszkievicz. Constructing a Rotating Photoelectric Sensor to Quantify Aeolian Sand Transport Relative to Differing Bed Surface Compositions. International Conference on Aeolian Research, Bordeaux, France, June 25-29.

Harris, E., C. Jackson, M. Anaya, M. Johnson, G. Chapman, P. Schmutz. Beach User Perception on the Economic and Ecological Importance of Sand Dunes at Pensacola Beach, Florida. Annual meeting of the American Association of Geographers, New Orleans, LA, April 10-14.

2017

Huggins, A., P. Schmutz, M. Schwartz. Living Shorelines: Assessing Geomorphic Change and Water Quality in an Urban Waterway. American Geophysical Union Conference, Annual Meeting, New Orleans, LA, Dec 11-15.

Nelson, S., P. Schmutz. The Utility of Using a Near-Infrared (NIR) Camera to Measure Beach Surface Moisture. American Geophysical Union Conference, Annual Meeting, New Orleans, LA, Dec 11-15.

Schmutz, P., T. Briggs, P. Tereszkiwicz. Design of a Rotating 360° Piezoelectric Sensor to Quantify Aeolian Sand Transport. Southeastern Division of the Association of American Geographers, Annual Meeting, Starkville, MS, November 19-20.

Briggs, T., P. Schmutz. Quantifying Aeolian Sediment Dynamics Relative to Varying Concentrations of Gravel Lag. Young Coastal Scientist and Engineers Conference, Annual Meeting, Dauphin Island, AL, August 21-23.

Schmutz, P., I. Foreman, T. Briggs. Lagging Behind: Sustainable Management Practices to Remove Non-native Gravel within a Coastal Dune System. The American Association of Geographers, Annual Meeting, Boston, MA, April 5-9.

Briggs, T., P. Schmutz. Calculating aeolian sediment dynamics relative to varying concentrations of the gravel lag. National Conference of Undergraduate Research, Annual Meeting, Memphis, TN, April 6-8.

2016

Schmutz, P. Utilizing isotopic signatures to assess beach surface moisture dynamics. Southeastern Division of the Association of American Geographers, Annual Meeting, Columbia, SC, November 20-22.

Briggs, T., P. Schmutz. Examining the effect of gravel lag on beach sediment transport at Santa Rosa Island. Southeastern Division of the Association of American Geographers, Annual Meeting, Columbia, SC, November 20-22.

Schmutz, P. Evaluating beach moisture exchange pathways utilizing an isotope mass balance approach. The American Association of Geographers, Annual Meeting, San Francisco, CA, March 29 – April 2.

2015

Schmutz, P. Soil Moisture Dynamics at White Sands National Monument. Southeastern Division of the Association of American Geographers, Annual Meeting, Pensacola, FL, November 22-24.

Schmutz, P., S.L. Namikas. Modeling Surface Moisture Content over Space and Time for a Fine-grained Beach. The Association of American Geographers Annual Meeting, Chicago, IL, April 21-25.

2014

Schmutz, P., S.L. Namikas. Spatiotemporal Dynamics of Surface Moisture Content on a Fine-grained Beach. Southeastern Division of the Association of American Geographers, Annual Meeting, Athens, GA, November 23-25.

Schmutz, P., S.L. Namikas, B.L. Edwards. Evaporation Dynamics at Various Sediment Depths: Influence of Beach Moisture Content. The Association of American Geographers Annual Meeting, Tampa, FL, April 8-12.

2013

Schmutz, P. Influence of Beach Moisture Content on the Evaporation Dynamics at Various Sediment Depths. Southeastern Division of the Association of American Geographers, Annual Meeting, Roanoke, VA, November 24-26.

Schmutz, P., S.L. Namikas. Influence of Sediment Texture on Surface Moisture Content above an Oscillating Water Table. The Association of American Geographers Annual Meeting, Los Angeles, CA, April 9-13.

2012

Gall, M., P. Schmutz. Assessing the Effects on Local Service Provision When Hosting Evacuees. The Association of American Geographers Annual Meeting, New York, NY, February 24-28.

2011

Namikas, S.L., B.L. Edwards, P.P. Schmutz, Y. Zhu. Measurement and Modeling of Beach Surface Moisture: Progress (1995-2010) and Future Directions. The Association of American Geographers Annual Meeting, Seattle, WA April 12-16.

Schmutz, P., S.L. Namikas. Influence of capillary flow above an oscillating water table on surface moisture content. The Association of American Geographers Annual Meeting, Seattle, WA April 12-16.

2010

Schmutz, P., S.L. Namikas. Capillary Flow Dynamics above an Oscillating Water Table: Influence on Surface Moisture Content Evolution. Southeastern Division of the Association of American Geographers, Annual Meeting, Birmingham, AL, November 21-23.

2009

Schmutz, P., P. Hesp, K. Renken, R. Orgera, L. Driskill. The Effect of Trampling on Variable Dune Slopes. *The Applied Geography Conference Annual Meeting*, Baton Rouge, LA, October 28-31.

Schmutz, P., P. Hesp, K. Renken, R. Orgera, L. Driskill. The Effect of Human Trampling on Coastal Dune Vegetation. The Association of American Geographers Annual Meeting, Las Vegas, NV, March 22-27.

Renken, K., P. Hesp, P. Schmutz, R. Orgera, L. Driskill. Nebkha Morphometry in Dona Juanna, Veracruz, Mexico. The Association of American Geographers Annual Meeting, Las Vegas, NV, March 22-27.

2008

Schmutz, P. Temporal Variations in Saturation Infiltration Rates of Beach Sand. The Association of American Geographers Annual Meeting, Boston, MA, April 15-19.

2007

Schmutz, P. Investigation of the utility of the Delta-T probe for obtaining surficial moisture measurements on beaches. Southwestern Division of the Association of American Geographers, Annual Meeting, College Station, TX, November 1-3.

Schmutz, P. Investigation of utility of Delta-T probe for obtaining surficial moisture measurements on beaches. The Association of American Geographers Annual Meeting, San Francisco, CA, April 17-21.

2005

Schmutz, P. Spatio-Temporal Beach Profile Variability on the Caribbean Island of Dominica. The Association of American Geographers Annual Meeting, Denver, CO, April 5-9.

2004

Rahn, J., P. Schmutz. Using Field Observations and Field Experiences to Teach Geoscience: Coastal Geomorphology on the Caribbean Island of Dominica. Southwestern Division of the Association of American Geographers, Annual Meeting, Nacogdoches, TX, November 10-13.

Schmutz, P., J. Rahn. Beach Profile Changes of the Caribbean Island of Dominica. The Geological Society of America Annual Meeting, Denver, CO, November 7-10.

SCHOLARLY AWARDS

Research

AAG Coastal & Marine Robin Davidson-Arnott Honorarium, Best Paper, 2011

Teaching & Mentorship

Awarded

Office of Undergraduate Research Faculty Excellence in Undergraduate Research
Mentoring - Early Career Award, 2020

Nominated

Student Government Association's Distinguished Teaching Award, HMCSE *Finalist*, 2017
Faculty Excellence in Teaching and Advising (FETA) Award, 2019

TEACHING

University of West Florida

ESC 2000 Introduction to Earth Science
ESC 2000L Introduction to Earth Science Laboratory
GEO 3210 Geomorphology
GEO 3210L Geomorphology Laboratory
GEO 4221/5225 Coastal Morphology and Processes
GEO 4221L/5225L Coastal Morphology and Processes Laboratory
GEO 4990/5990 Aeolian Geomorphology
GEO 5990 Advanced Geomorphology
GEO 6118 Research Design
GIS 4071 Methods and Techniques
EVR 6970c Sampling and Analysis
EVR 6930 Special Topics in Env. Sciences: Applied Science/Science Communication
EVR 6930 Special Topics in Env. Sciences: Ecological Restoration

Savannah State University

ENVS 1140 Environmental Issues

Armstrong State University

GEOG 1100 World Regional Geography

River Parish Community College

GEOG 2010 Introduction to Geography
GEOG 2030 Cultural Geography
GEOG 2050 Physical Geography

Baton Rouge Community College

GEOG 2030 Cultural Geography

Louisiana State University

GEOG 2050 Physical Geography: The Atmosphere

PROFESSIONAL, UNIVERSITY, COMMUNITY AND EDUCATION OUTREACH SERVICE

Professional

Association of American Geographers

AAG Nominations Committee, 2026-2028

Coastal and Marine Specialty Group,

Board of Directors, Faculty Representative, 2016-2018, 2023-2025

Organizer & Chair, Aeolian & Coastal Geomorphology Oral Sessions, 2015-2018

Board of Directors, Student Representative, 2012-2013

Southeastern Division of the Association of American Geographers

Honors Committee, 2021-2022

Undergraduate Engagement Committee, 2015-present

Chair, 2024-present

Florida State Representative, 2018-2019

Manuscript Review

Earth Surface Processes and Landforms: 2016, 2017

Geomorphology: 2017, 2018, 2021

Journal of Aeolian Research: 2017, 2018, 2019, 2020, 2023

Journal of Coastal Conservation, 2019, 2024

Journal of Coastal Research: 2016

Southeastern Geographer: 2021, 2023

University (Department)

Curriculum Committee, 2016-2017

Earth-Scholars Program Organizer & Co-Director, 2017-2019

Graduate Program Coordinator, 2020-2022

University (College)

HMCSE Honors Working Group, 2017-2018

Student Engagement Faculty Advisory Board [SEFAB], 2016-2019

HMCSE SURP Proposal Awards Committee, 2016 & 2017

University (University)

Environmental Health and Safety Committee, 2022-present

Student Fee Committee, 2021-2022

OUR Proposal Awards Committee, 2015-2022

Faculty Mentor, OUR Explorers program, 2016-present

Media interviews for local Pensacola news outlet WEAR TV and NPR affiliate WUWF.

Community

Air & Waste Management Association, Board Member, Coastal Plains Chapter, 2019-present

Rotary International, Seville Rotary Club, Member, 2016-present

- President, 2021-2022
- President-Elect, 2020-2021
- Foundations and Grants Coordinator, 2017-2020
 - Awarded Grants:

- Safe Kid Zone: End Online Sex Trafficking, 2020 (\$6,000)
- Beach Mobility for those in Need, 2019 (\$8,000)
- Rotarians Fight Hunger in Pensacola, 2018, (\$5,500)
- o Programs Chair, 2022-2023
- o District 6940 Rotary Youth Leadership Awards (RYLA), Board Member, 2017-present

Education Outreach

“Utilization of UAVs in Geomorphology Research”, Presentation to Washington High School & Pensacola High School, Fall 2018 & 2019

AP Human Geography Reader, 2014-present

“What is Geography?” Presentation to Clarkston Elementary Third Grade Class, Tyler, Texas, May, 2010

Professional Memberships (active)

International Society of Aeolian Research

Association of American Geographers

Southeastern Division of the Association of American Geographers

American Geophysical Union

National Association of Environmental Professionals

Air & Waste Management Association