

Calendar of Events - Check it out!!

Undergraduate Office

Happy Halloween!! **NOVEMBER 2023**

USC vs. Clemson

THANKSGIVING BREAK

It's Field Trip Season!!

• ENVR 201 Labs (Hardy, Ponds and Lewis) took students to assess the health of Rocky Branch stream by looking for macro-invertebrates • GEOL 201 Labs (Leier and Martina) took students to 40 Acre Rock, SC to study the Pageland Granite found there.

• GEOL 201 Labs (Leier and Martina) took students to Peachtree Rock.

plant in Pineville, SC.

• ENVR 295 Labs (Lara Ducate) Green Technology in Germany went on a tour of a coal power

• MSCI 311 Labs (Meyer-Gutbrod, Sefah-Twerefour, Powers and Thompson) took students to the Baruch Marine Field Lab over 3 days. They counted fiddler crab burrow density, analyzed benthic microalgae in the sediment, and conducted a secretive marsh bird survey. Spirits were high even on the rainy day!

• GEOL 325 Labs (Barbeau and Love) took students to Horsefeather Lane in Calhoun County, SC.

Students collected grain size and sediment provenance samples and measured a section in Eocene strata (55.8 to 33.9 million years ago). So Cool!!

• GEOL 325 Labs (Barbeau and Love) took students to the beach to compare results of grain size and sedimentary structures studied here with ancient Eocene Coastal plain deposits near Swansea, SC.

• GEOL 325 Labs (Barbeau and Love) took students to learn how to measure section at Pound Gap on the Kentucky-Virginia boarder.

• MSCI 101 Labs (Jones, Franco, Moore and Fairbert) are taking students to Huntington Beach State and salt marsh on the SC coast.

Park today through Nov 2 to observe the geological, physiological and chemical properties of a beach

• "What's Next?" - Workshops on Career and Job Application. Thinking about a job after graduation? The application process is starting soon!! Come hear about the do's and don'ts from current scientists in their field. Get tips and guidance from the folks who know!! Career Planning Workshop - Friday Nov 17th 2pm JONES 120 Employment

• "Pie with a PI". Friday Nov 3rd @2pm, JONES 106 The undergrad office is holding this event for students to meet with our faculty and talk about your goals, seek advice, and eat pie!! Our third meeting will host <u>Dr Dragovic</u> and <u>Dr Carol Boggs</u> who are

excited to meet with you!! RSVP <-----

Graduate Office

Dr Keohane!!

Around the Department News

THE GEOLOGICAL SOCIETY

OF AMERICA®

Some highlights:

KUDOS!!

Publications:

9:30am - 11:30pm - Talks (10 min talk, 3-5 minutes for questions) 11:45am - 1:15pm - Break for lunch (will be provided); Poster set up 1:15pm - 3:15pm - Poster Presentations **3:15pm - 3:30pm -** Break **3:30pm - 5:00pm -** Talks (10 minute talk, 3-5 minutes for questions) For more details visit the website: Defenses:

Hooray for Christopher Papageorgiou (Voulgaris) on his MS defense on RoboCat: An Autonomous Surface Vehicle (ASV) for near-surface hydrodynamic measurements in buoyant plumes. Design,

Grad Day Conference - November 3rd Russell House Ballroom A

9:00am - 9:30am - Check-in/coffee and snacks

development, and a case study. Great job Christopher!!

Congratulations to Isaac Keohane (White)!! He has successfully defending his dissertation on Adapting Deep Learning Techniques

High-Resolution AUV Sonar Surveys. We are so proud of (soon-to-be)

for Geologic Investigations of Hydrothermal Venting Using

Qualifying/Comprehensive Exams: Congrats to Gabi Faton (Benitez Nelson) on a successful MS qualifying exam. Assessing Water Quality Using Landuse and Stormwater Infrastructure in Murrells Inlet, South Carolina USA. Great job Gabi!! Paul Ernst (Bulusu) successfully completed his PhD Comprehensive Exam. Meso- and Submesoscale Eddy Dynamics from SWOT in the Gulf of Mexico. Way to go Paul!! Isabella Moore (Yankovsky) completed her MS Qualifying exam on Offshore Detachment of Winyah Bay Plume Through Ekman Dynamics Under Upwelling conditions. Nice job Isabella!!

Great SEOE showing at this year's annual Geological Society of America conference at Pittsburg.

Everyone gave great presentations and highlighted the cutting edge research they are doing.

Dr Alicia Wilson delivered the <u>GSA Hydrogeology Division Birdsall-Dreiss Distinguished Lecture</u>

Joseph Martina (MS candidate; Leier lab) received the Roscoe G Jackson II

Award for graduate student research in the field of sedimentology.

Awards and Grants: Dean Hardy is part of a project that was recently awarded an NSF EPSCoR award to study the RII Track-2 FEC: An interdisciplinary program for research, education, and outreach on climate change and adaptive resilience in the Yazoo- Mississippi Delta. \$4M over four years with \$942k to USC. Congratulations Dean!!

next year. Congratulations Carol!!

Carol Boggs has been elected President of the Society for the Study of Evolution. She will take on this prestigious position in 2025. Carol will serve as President-elect

• Carol Boggs has a new paper out. Chappell, D.R., Boggs, C.L., and Speiser, D.I. 2023. Two sides of the same wing: ventral scales enhance dorsal wing color in the butterfly Speyeria mormonia. Journal of Experimental Biology (2023) 226, jeb246396. doi:10.1242/jeb.246396

• Erin Meyer-Gutbrod took part in a new consensus study report NATIONAL ACADEMIES coming out. The National Academy of Sciences report in "Evaluation of Hydrodynamic Modeling and Implications for Offshore Wind Development: Nantucket Shoals". Potential Hydrodynamic Impacts of Offshore Wind Energy on Nantucket Shoals Regional Ecology: An

> Potential Hydrodynamic Impacts of Offshore Wind Energy on Nantucket Shoals Regional Ecology

Evaluation from Wind to Whales. https://www.nationalacademies.org /our-work/evaluation-of-hydrodynamic-modeling-and-implications-for-

offshore-wind-development-nantucket-shoals

In the News: • Dan Frost was on the local news!! WLTX had a segment on Dans research studying the recent earthquakes in Elgin. Watch the video here. "Elgin Earthquakes return: What have we learned?"

on Whales Are Increasing With Warming. Can the Shipping Industry Slow Down to Spare Them?"

• Claudia Benitez-Nelson was recently highlighted about her position on the Ocean Research

• David Kneas' work was highlighted in an article by the Bangor Daily News. "LUPC hearing

Advisory Panel (ORAP) to support the White House's Ocean Policy Committee's national priorities.

• Erin Meyer-Gutbrod's research as highlighted in an Inside Climate News article. "Vessel Strikes

centers on lack of concrete data about Wolfden mine".

Read about it here.

• Dan Frost was in the news again. "South Carolina governor declares 'Earthquake Awareness Week', over 300,000 participate in emergency drill" • Tammi Richardson and the USC Institute for Clean Water was highlighted in the Daily Gamecock. Read more about the institute <u>here</u>.

Let the department know about the wonderful things you and

the people around you are doing!! Is there something/someone you are proud of? Let us know Kudos Form.

KEY DATES: Nov 8th - Last day to Drop without a "WF"

Nov 17th - "What's Next" Career Workshop 2-3:30pm JONES 120 NOV 22-24th - Thanksgiving Break (no classes)

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