



Wednesday, November 8

Poster Session 1

14:15	Nayeli Sanchez	Effects of Nutrients and Environmental Factors on Algae and Fish Communities
14:15	Thomas Pacious	Species Diversity of Mayfly (Ephemeroptera) Nymphs in the Lower Ogeechee River Basin
14:15	Chelsea Scheirer	Cladophora microbiome community composition response to temperature
14:15	Augustine Sitati	Does low shredder diversity compromise functional and litter decomposition metrics as indicators of ecological conditions in Afrotropical headwater streams?
14:15	Ashley LaRoque	Population Density and Body Size Drives Fish Movement
14:15	Ian Brunetz	What is the effect of flow on freshwater mussel growth rates across multiple river basins?
14:15	Haley Vaglianti	Aquatic beetles in Southern Appalachian hemlock conservation areas
14:15	Emma Greenberg	Notes on the distribution of endangered mussels in the Lower Flint River Basin
14:15	David Breault	Arrival and departure windows of Atlantic sturgeon in the Chesapeake Bay, United States

14:15	Hannah Swain-Menzel	Detection and Modelling of Darters and Madtoms: eDNA surveillance of imperiled southeastern fishes
14:15	Frank Akamagwuna	Variability in energy sources across agricultural land-use gradient of an Afrotropical river system: Insights from the Kat River, South Africa
14:15	Natalie Griffiths	Understanding the Role of Heterogeneous Land Cover and Hydrologic Regimes on Stream and Watershed Hydrobiogeochemical Function: A Research Overview
14:15	Jacob Dorris	Influence of Flow Intermittency on Leaf Litter Decomposition in Forested Gulf Coastal Plain Streams
14:15	Sarah Kelley	Using nutrient diffusing substrata to explore nutrient limitation in a managed forested watershed in Alabama
14:15	Stephen Plont	Developing Resources for Intermittent Stream Metabolism
14:15	Benjamin Trost	Using machine learning approaches to explore land use effects on stream particulate and dissolved chemistry across the United States
14:15	Kenneth De León Colón	Investigating the Role of Environmental Factors in the Dissemination of Antimicrobial Resistance in Surface Water
14:15	Emma Lacy	Quantifying Algal and Nutrient Concentrations in Urban Stormwater and Beaver Ponds
14:15	Rachel Dingley	
14:15	Viviana Bravo	Evaluation of aquatic macroinvertebrates communities and habitats using molecular and morphological identification in streams at the Savannah River Site

Poster Session 2

15:45	Chelsea Smith	Abiotic drivers of diversity in an intermittent watershed
15:45	Carolyn Cummins	Temperature effects on macroinvertebrate communities across seasons and elevations in headwater streams of the southern Appalachians
15:45	Molly McKeon	A Community Assessment of Aquatic Invertebrates and Fishes of the Ogeechee River
15:45	Isaac Wood	Microsporidian Midge Mystery: Chironomidae emergence timing in relation to Daphnia outbreaks

15:45	Henna Gavem	Effects of Dietary Algae as Fishmeal Replacement on Survival and Growth of the Sea Urchin, <i>Lytechinus variegatus</i>
15:45	Troy Keller	Effect of Astaxanthin Augmented Diet on Pigmentation, Growth, and Survival of an Invasive Crayfish, (<i>Procambarus clarkii</i>)
15:45	Charlie Kloppenburg	Enhancing drought resiliency through improved stream-floodplain connectivity on the Ceour d'Alene reservation
15:45	Sergio Sabat-Bonilla	We can implement it, but will they come? Unraveling the patchy responses of benthic macroinvertebrates to conservation practices along regional and landuse gradients.
15:45	Molly Almon	Do habitat changes downstream of small dams have consistent effects on the performance of <i>Nocomis micropogon</i> (River Chub) and <i>Nothonotus rufilineatus</i> (Redline Darter)?
15:45	Sydney Haney	Shenandoah springs as a refuge for rare and threatened macroinvertebrates
15:45	Kelley Sinning	Benthic macroinvertebrate secondary production dynamics along a mining-induced salinity gradient
15:45	Rachel Scarlett	Shifts in Stream Ecological Function with Increasing Urbanization
15:45	Deandre Presswood	Quantifying how differing hydrologic disturbance events in conjunction with varying land use effect stream metabolism
15:45	Zach Gordon	The impact of salinity on leaf litter decomposition and a freshwater isopod
15:45	Nicole Tripp	Response of Red Swamp Crayfish to increasing current velocities: attraction or repulsion?
15:45	Sarah Shainker-Connelly	Integrating amplicon sequencing and community science to survey the biodiversity of organisms with complex life cycles
15:45	Sophie Barnett	Quantifying Macroplastic Pollution in the Catawba River Basin
15:45	Checo Colon Gaud	Research and Mentoring Opportunities in Coastal Ecosystems
15:45	Donya Mohamed	Someone's Salty: How Rising Salinities in Urban Streams in the DC-metropolitan Area are Affecting the Functions of Freshwater Mussels
15:45	Madison Rollins	Risk Analysis on Septic Drain Fields and their Effect on Athens-Clarke County, Georgia Watersheds

Thursday, November 9

Oral session 1

Conservation (Room 209/210)

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| 9:00 | Josh Millwood | The molecular and physiological responses to thermal stress of four unionid species |
| 9:15 | Lillie Sweeney | Synoptic mussel surveys for the development of a Habitat Conservation Plan in the lower Flint River Basin |
| 9:30 | Natalie Horn | Using an Acoustic Doppler Current Profiler to model impacts of variable stream flows on habitat at the reach scale |
| 9:45 | Bijoy Kumar Ghosh | Hydraulic Impact on Fish Migration in a Sariakandhi Fish Pass of Bangladesh |

Methodological advances (Room 215/216)

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| 9:00 | Kelsey Solomon | Comparing diatom weighted averaged phosphorus optima between two regions in the greater Everglades ecosystem using a new subsampling method |
| 9:15 | Audrey Thellman | River productivity under ice: Leveraging satellite imagery, field cameras, and sensors to understand river ecosystem phenology in a changing climate |
| 9:30 | Rachael Rowe | Applications of eDNA metabarcoding as a biomonitoring method for freshwater invertebrates |
| 9:45 | Nikki Jones | Machine Learning for Autonomous Benthic Macroinvertebrate Identification |

Ecosystem ecology (Room 310/311)

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| 9:00 | Zacharie Loveless | Particulates All the Way Down: Hydrologic and Land Use Controls on Particulate Quantity and Bioavailability |
| 9:15 | Nick Marzolf | Rejecting advection, or doing ecosystem science in rivers when they stop flowing |
| 9:30 | Amanda DelVecchia | The Piedmont Pea Pod: Longitudinal heterogeneity in greenhouse gas dynamics |
| 9:45 | | |

Oral session 2

Human dimensions and water quality (Room 209/210)

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| 10:30 | Aubrey Dyer | Water Quality Service Learning in Study Abroad: Lessons from Costa Rica |
| 10:45 | Jessica Sterling | Neighborhood Water Watch: Solving Urban Water Quality Problems with Community Science |
| 11:00 | Audrey Goeckner | Comparing dissolved organic carbon quality and greenhouse gas saturation between constructed and natural ponds |
| 11:15 | Benjamin Webster | Reservoir Hydrologic Residence Time Drives Nitrogen Deposition in Reservoirs in the Apalachicola-Chattahoochee-Flint Watershed |
| 11:30 | Raymond Kidder | Impacts of Salinity Intrusion on the Ecology of Georgia Barrier Island Wetlands |
| 11:45 | | |

Organismal ecology (Room 215/216)

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| 10:30 | Cassandra Waldrop | Prey availability and imidacloprid detection in aquatic salamanders in the Southern Appalachians |
| 10:45 | Alexandra Theisen | Comparing Amphiuma means in mainland and coastal Georgia |
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| 11:15 | Brooke Grubb | An exploratory assessment of crayfish morphology for phylogenetic inference within species complexes |
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| 11:45 | | |

Ecosystem ecology (Room 310/311)

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| 10:30 | Jonathan Lopez | A novel self-contained chamber design for benthic ecosystem experiments in streams |
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10:45	Matthew Lodato	Using a novel benthic chamber design to assess functional trait mediated effects of animal aggregations on ecosystem processes
11:00	Anika Grosse	From benthic to hyporheic: how light and macronutrient ratios shape functional and structural biofilm responses
11:15	Amy Rosemond	Warmer streams may support less aquatic life through altered carbon pathways
11:30		
11:45		

Oral session 3

Community ecology (Room 209/210)

14:00	Elizabeth Sicking	Does past wetland hydrology influence macroinvertebrate communities in isolated wetlands?
14:15	Nathan Wisnoski	Diversity-stability relationships across organism groups and ecosystem types become decoupled across spatial scales
14:30	Irene Sánchez González	Morphological Classification of North American Freshwater Mussels Reveals Patterns of Habitat Use Across Spatial Scales
14:45		

Ecosystem ecology (Room 215/216)

14:00	Nguyen Tien Anh Quach	You are what you eat - Investigating basal carbon sources and transformations in stream food webs
14:15	Jonathan Behrens	Connecting Aquatic Primary and Secondary Production in Urban and Forested Watersheds
14:30	Adam Siders	Manatee feces link freshwater to marine ecosystems through subsidizing invertebrate secondary production
14:45	Alexis Jackson	Drivers of wetland carbon storage across the United States