

# **3<sup>rd</sup> Annual CEE Student Research Symposium**

Presented by the UNC Curriculum for the Environment and Ecology

Sponsored by the UNC Graduate and Professional Student Federation, Curriculum for the Environment and Ecology, Center for Global Initiatives, and Office for Undergraduate Research

Saturday, February 21, 2014

9:00 AM-2:00 PM

NC Botanical Garden

## **Schedule of Presenters for Symposium**

<b><u>Session</u></b>	<b><u>Presenter</u></b>	<b><u>Institution, Program</u></b>	<b><u>Title of Presentation</u></b>
9:00-9:10	Dennis Tarasi	UNC, CEE Symposium Committee Chair	Welcome, coffee and light breakfast catered by Panera Bread
9:10-10:25	Chris Hakkenberg	UNC, CEE	Stand complexity: thinking about the relationship between forest structure and species diversity in the Piedmont, NC
Session I: Long Oral Presentations	Clare Fieseler	UNC, CEE	Putting buzzwords to work: how data, representation, and stakeholder perspectives influence the interpretation of resilience for coral reef management
	Anastasia Compton Eluned Quintana	Duke, Marine Science and Conservation	Social science is science, too: how and why ecologists should speak social science
	Adam Dale	NCSU, Entomology	The effects of cities on arthropod herbivores and the urban forest
	Davis Plunkett, Maureen Pittman, Anne E. Corrigan	UNC, CEE	Potential environmental impacts of hydraulic fracturing in thailand
	Andrea Stewart	UNC, CEE	Long-term changes in vegetation dynamics following partial harvest in the southern Appalachians
10:35-11:45	Sierra Woodruff	UNC, CEE	Climate change adaptation planning and ecosystem services
Session II: Short Oral Presentations	Sam Sellers	UNC, CEE	Evaluating population, health, and environment program effectiveness
	Aspen T. Reese	Duke, Ecology	Macro- and micro- patterns of diversity across urban habitats

	Kaylyn S. Gootman	UNC, CEE	A stable isotopes tracer approach to understanding local hydrology
	Christopher Payne	UNC, CEE	Long-term forest trends and changes in vegetation dynamics in eastern U.S. forests
	Margit Bertalan	UNC, CEE	Using footprint identification technology (FIT) as a conservation strategy for the eastern mountain bongo
	Bianca Lopez	UNC, CEE	Trends in plant species composition across an urban landscape
	Diamond V. Ebanks	UNC, CEE	Environmental inequality following ecological disturbances in New York City
	Dennis Tarasi	UNC, CEE	Plant species invasions alter the composition and structure of invaded communities
11:45-12:00	Joanna Blaszczak	Duke, Ecology	Nitrous oxide yields from urban stormwater ponds in 8 U.S. cities
Session III: Poster Presentations	Raven Bier	Duke, Ecology	Meromictic lakes in central Appalachia? Characterization of sediment biogeochemistry downstream from Appalachia's largest surface coalmine
	Pooja Ravindran	UNC, CEE	Mass spectrometry and its usefulness in emissions testing
12:00-12:30	Lunch Break		Lunch buffet catered by Mediterranean Deli
12:30-2:00	Alexander Brown	UNC, Biology	Live fast; die young: carbon balance as a mechanism for shade intolerance in American sweetgum
Session IV: Long Oral Presentations	Morgane Perez-Huet	UNC, CEE	Puritan values in American society and its effect on the environment

Hillary Smith	UNC, Geography	Understanding the entanglements between poverty and equitable forest based livelihood outcomes under different decentralized contexts in Tanzania; does community based forest management reduce elite capture?
Michael Just	NCSU, Plant Biology	Vegetation structure and microclimate influence flammability along an ecotonal gradient
Peter Wilfahrt	UNC, CEE	Diversity, resources and enemies in an old field experiment: plant community dynamics from top-down, bottom-up, and lateral perspectives
Jes Coyle	UNC, Biology	Is environmental heterogeneity a driver of species richness at local and regional scales?
Danielle Keller	UNC, CEE	Herbivory and habitat usage is reduced in invasive versus native seagrasses in St. John