



Lisa Spainhour

Department of Civil and
Environmental Engineering

spainhour@eng.famu.fsu.edu

Research Interests:

- Transportation Safety
- Infrastructure Sustainability

As department Chair, I work with out faculty in a variety of areas, including:

- Environmentally friendly biological treatments for drinking water
- In-place bio-remediation of contaminated soil and groundwater
- Landfill covers that reduce both greenhouse gas emissions and groundwater pollution
- Sustainable building design and construction models
- Development and testing of durable, sustainable infrastructure materials
- Composting techniques for sewage wastes
- Reducing transit times and emissions with green shipping vessel and truck freight scheduling

How a Collaborator Could Help Me:

Our department is looking for additional collaborators to further our multi-disciplinary research approach.

How I Could Help a Collaborator:

The CEE department has experienced faculty and well-equipped labs for both environmental chemistry and materials testing.



Tarek Abichou

Department of Civil and
Environmental Engineering

tabichou@fsu.edu

Research Interests:

- Geoenvironmental Engineering
- Sustainable Solid Waste Management
- Measuring Modeling and Mitigating Fugitive Emissions from Landfills

My expertise is in the areas of Geoenvironmental Engineering, Geotechnical Engineering , Sustainable Solid Waste Management , Measuring, Modeling, and Mitigating Fugitive Emissions from Landfills, Greenhouse Gas Emissions Inventories, Beneficial Use Of Industrial By-Products in Civil Engineering Applications. I am currently developing The Florida Methane Institute. The main focus of the institute is to provide synergy to house and focus methane emission reduction related research performed by different research groups under one entity.

How a Collaborator Could Help Me:

I am looking for collaborators to help with methane detection sensors, atmospheric modeling, and advanced materials.

How I Could Help a Collaborator:

I am looking for collaborators for potential interdisciplinary research and funding opportunities.



Sven Kranz

Department of Earth, Ocean &
Atmospheric Science

skranz@fsu.edu

Research Interests:

- Phytoplankton Ecology
- Climate Change
- Water Quality

“Why and how does phytoplankton respond to environmental disturbances”. I am manipulating the environment in which phytoplankton is growing to measure direct responses (growth, elemental composition, toxin production) and additionally measure underlying processes likely causing these responses (productivity, photosynthesis, C-acquisition). Based on this research we can predict how primary producers will be affected by climate change and other environmental disturbances and how these organisms in turn can affect the environment.

How a Collaborator Could Help Me:

I am looking to connect the basic research conducted in my lab with the applied research from state agencies. I'd like to identify local funding sources for ecosystem research including phytoplankton eco-physiology.

How I Could Help a Collaborator:

I can identify metabolic and physiologic processes behind phytoplankton responses to environmental disturbances based on laboratory studies in order to predict large scale responses in the field



Reza Arghandeh

Department of Electrical and
Computer Engineering

r.arghandeh@fsu.edu

Research Interests:

- Smart Grids and Smart Cities
- Big Data Analysis
- Sustainability

My research focuses on data-driven management of infrastructure networks considering the interdependence of the technical and social networks especially in cities. Mathematical problems that we are dealing with are classification, clustering, estimation, and fusion for spatiotemporal and sociotechnical datasets.

How a Collaborator Could Help Me:

I am looking for collaborators with following backgrounds for our smart city projects: environmental science, public health, meteorology, sociology, community behavior analyst, computer science, statistics, and mathematics.

How I Could Help a Collaborator:

My expertise is in system engineering, electricity networks, and data analysis. We use machine learning, network theory and statistics for smart grids and smart cities.



Debra Ann Fadool

Department of Biological Science

dfadool@bio.fsu.edu

Research Interests:

- Obesity
- Neuromodulation of Ion Channels
- Sensory Systems

We are researching learning, memory, and neural plasticity at the level of the ion channel protein. Our main stay in the laboratory is biophysics, specifically a technique called patch-clamp electrophysiology, where we can measure single conformational changes in ion channel proteins that elicit electrical signals, essentially the language of the brain.

How a Collaborator Could Help Me:

We are interested to learn more about exercise physiology, voluntary running, and in vivo activation of ChR via laser optics.

How I Could Help a Collaborator:

We can screen ion channel activity by patch-clamp electrophysiology (brain slice, heterologous expression, or optogenetics), assist in protein biochemistry, olfactometry, or collect metabolic chamber systems physiology measurements.



Allison Wing

Department of Earth, Ocean
& Atmospheric Science

awing@fsu.edu

Research Interests:

- Tropical Cyclones
- Tropical Convection
- Climate

I am an atmospheric scientist and I study tropical convection, tropical cyclones, and climate. My current research includes the organization of tropical convection and how this modulates tropical and global climate and climate sensitivity and the process of tropical cyclone formation, and also have interests in the extreme weather and climate and the variability of tropical cyclone intensity. I use theory, idealized numerical modeling, and analysis of observations and comprehensive climate models to tackle these problems.

How a Collaborator Could Help Me:

I'm looking to expand my research focus to additional areas such as of variability of tropical cyclone intensity and extreme weather and climate, and so am interested in potential collaborators with ideas in those areas and/or interest in applications of my basic science research on tropical cyclones and tropical convection.

How I Could Help a Collaborator:

I can provide expertise on the physics and dynamics of tropical cyclones, organization of tropical convection, climate science, and meteorology, as well as experience with idealized cloud-resolving modeling.



Sarah Lester

Department of Geography

slester@fsu.edu

Research Interests:

- Marine Conservation Science
- Natural Resource Management
- Social-ecological Resilience and Vulnerability

I am a marine scientist who focuses on conducting research to inform marine natural resource management, marine policy and the design of effective marine conservation measures. I have particular expertise in marine protected areas, sustainable fisheries management, marine spatial planning, and offshore aquaculture. I have a funded project to assess the status of small-scale reef fisheries and to inform the design of fisheries management regulations and marine spatial plans at several islands in the Caribbean in collaboration with a private foundation.

How a Collaborator Could Help Me:

I am interested in finding new collaborators at FSU from different disciplines that share my broad interests in marine and coastal management, policy and conservation. Given my home in the Department of Geography, I am particularly interested in questions with a strong spatial dimension.

How I Could Help a Collaborator:

I have considerable experience working on projects that involve broad syntheses of large datasets or scientific literature. I am also a scientific diver with extensive experience conducting intertidal and subtidal ecological field work in a variety of ecosystems around the world.



Juan Ospina

Center for Advanced Power Systems

jjo11e@fsu.edu

Research Interests:

- Renewable Energy
- Energy Management
- Distributed Energy Resources

Development optimal control systems developed for being deployed in the Smart Grid. Development of power system models designed to test the behavior of these control systems and their deployment in the electrical grid by performing real-time simulation.

How a Collaborator Could Help Me:

A potential collaborator could help us by providing research data (information), expert advice or insights of the industry, or by providing resources for continuing the research projects.

How I Could Help a Collaborator:

We can provide to a potential collaborator the results obtained from our research projects, which could be translated into the commercialization of a product or the development of a new technology.



Nico Wienders

Department of Earth, Ocean
& Atmospheric Science

wienders@fsu.edu

Research Interests:

- Ocean Circulation
- Pollution Tracking
- Engineering

I am a physical oceanographer and study the motions of the ocean via observations or numerical modeling. Recent studies address the Gulf Stream separation, multiphase convection in the Gulf of Mexico or forced and intrinsic variability of the North Atlantic Ocean. Recently I have deployed my own instrument which is now patent pending: The Stokes Drifter

How a Collaborator Could Help Me:

I have received a GAP grant from FSU's Office of Research/Commercialization to further develop my instrument and prepare its commercialization. I am at the moment researching the best ways to produce plastic hulls (via injection/vacuum forming, rotomolding, etc.) I am also looking for partners and investors for the commercialization process.

How I Could Help a Collaborator:

I will be happy to collaborate with anybody with interests in the ocean surface circulation. The ocean upper layer is of crucial economic and environmental importance while at the same time the location where most pollutions occur nowadays.



Eren Ozguven

Department of Civil and
Environmental Engineering

eozen@fsu.edu

Research Interests:

- Traffic Safety
- Urban Mobility
- Smart Cities

My research focuses on efficient traffic operations, providing accessibility and safety to the public, including aging populations, with a specific focus on smart cities and urban mobility.

How a Collaborator Could Help Me:

My research also focuses on air pollution based on the vehicle traffic in the context of smart cities, and this can directly be linked with environmental research.

How I Could Help a Collaborator:

I am looking for collaborators for potential interdisciplinary research and funding opportunities.



Jessica Pryce

College of Social Work

Jpryce@fsu.edu

Research Interests:

- Child Welfare
- Community Preventive Services
- Education and Training

My research focuses on statewide accountability of child welfare programs.

How a Collaborator Could Help Me:

I'm looking for collaborators to Discuss how environmental hazards and stressors impact child safety and family capacity.

How I Could Help a Collaborator:

Merging the environmental research with child safety.



William Butler

Department of Urban
and Regional Planning

wbutler@fsu.edu

Research Interests:

- Climate Change Adaptation
- Collaborative Forest Restoration
- Ecological Fire Management

I work under the broad area of social-ecological resilience with sub-interests in climate change adaptation to hazards and sea level rise, ecological restoration of forest ecosystems and communities that are resource dependent and fire adapted, and food systems planning.

How a Collaborator Could Help Me:

Potential collaborators can help by contributing to a multi-disciplinary team that broadens the conceptual frameworks and diversifies empirical approaches to better understand and more effectively respond to complex environmental problems.

How I Could Help a Collaborator:

I can provide social sciences research capacity focusing on social processes and policy and political context variables on a range of topics. My methods generally are qualitative and theory generating.



Neda Yaghoobian

Department of Mechanical
Engineering

nyaghoobian@fsu.edu

Research Interests:

- Land Atmosphere Interaction
- Urban Microclimate
- Energy Efficiency and Sustainability

In general, my research is about numerical study of thermo-fluid dynamics in the lower atmosphere using turbulent flow simulations and heat transfer analyses. Some of my topics are about turbulent flow over heterogeneous roughness (e.g. urban areas and plant canopies) with complex/realistic thermal boundary conditions obtained through energy balance analyses.

How a Collaborator Could Help Me:

I'd welcome any collaboration in environmental related issues or any other topics that involves land-atmosphere interaction, as well as land surface energy balance analysis.

How I Could Help a Collaborator:

My work is in general computational that involves atmospheric turbulent flow simulations in and over complex topographies. It also involves energy balance and heat transfer analyses over land surfaces.



Kourosh Shoele

Department of Mechanical
Engineering

kshoele@fsu.edu

Research Interests:

- Wind Turbine
- Wave Energy Harvesting
- Vegetated Surfaces

In general, my research is about numerical study of thermo-fluid dynamics in the lower atmosphere using turbulent flow simulations and heat transfer analyses. Some of my topics are about turbulent flow over heterogeneous roughness (e.g. urban areas and plant canopies) with complex/realistic thermal boundary conditions obtained through energy balance analyses.

How a Collaborator Could Help Me:

I am studying problems at the interface between mechanics and physics through developing and applying mathematical and computational tools with a focus on fluid-structure interaction, renewable energies, biolocomotion and biomechanics.

How I Could Help a Collaborator:

I am looking for collaborators for potential interdisciplinary research and funding opportunities.



Austin Mast

Department of Biological Science

amast@bio.fsu.edu

Research Interests:

- Plant Systematics
- Biodiversity Informatics
- Citizen Science

My research program involves topics within the broadly defined area of biodiversity study. I am particularly interested in (1) the interplay of ecology and evolution that determines the form and function of plant life on Earth and (2) the use of biodiversity research specimens and digital information about them to bring that interplay into sharper focus.

How a Collaborator Could Help Me:

I'm looking for a credentialed evaluator.

How I Could Help a Collaborator:

I am an expert in the creation and use of digital data about the world's ca. 3 billion museum specimens. I am part of the leadership team for iDigBio, NSF's National Resource for Advancing Digitization of Biodiversity Collections, and I am Director of FSU's Robert K. Godfrey Herbarium.



Kathleen Klepfer

College of Law

kklepfer@law.fsu.edu

Research Interests:

- Law
- Regulations
- Public Policy

I will be co-teaching an Energy, Environmental, and Land Use Legal Research class in the Spring at the College of Law.

How a Collaborator Could Help Me:

I'm interested in current trends and legal issues in the environmental, energy, and land-use arenas. I am interested in creating video interviews of researchers who deal with environmental issue.

How I Could Help a Collaborator:

As a law librarian, I can help collaborators locate legal resources, break down complicated regulatory schemes, and connect researchers to specialized environmental law databases.



Ronald E. Doel

Department of History

rdoel@fsu.edu

Research Interests:

- History of Science
- Environmental History
- Arctic

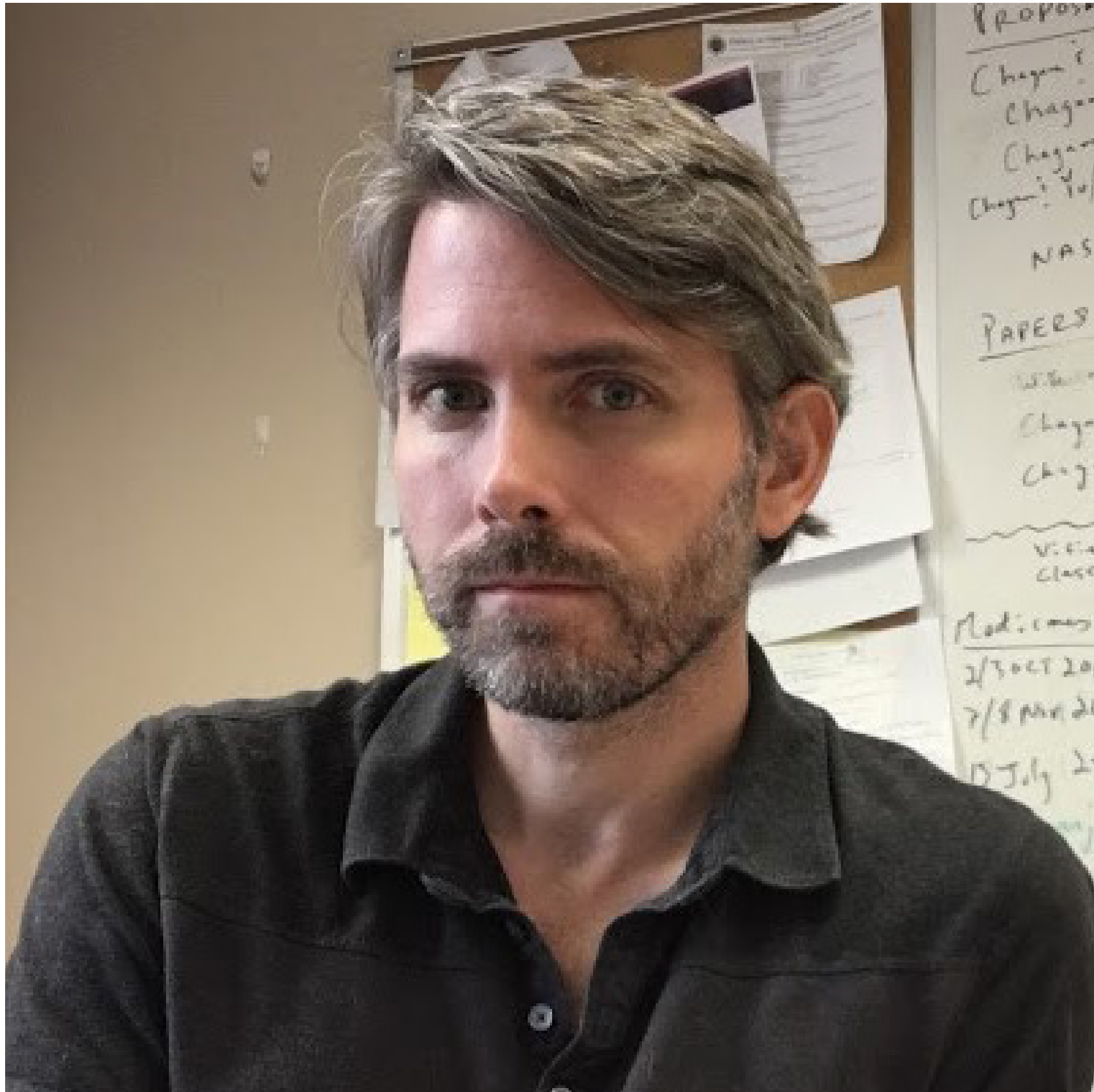
I write on the history of the recent environmental sciences, including the military's interest in the earth sciences (including climate change) in the first half of the Cold War. Other current book projects include a biography of the earth scientist M. King Hubbert, key in developing the concept of peak oil.

How a Collaborator Could Help Me:

My own particular research area may be of interest to others. Historians are often lone wolves--and we benefit from becoming involved in larger efforts.

How I Could Help a Collaborator:

Interdisciplinary collaborations often work best when they span the humanities and social sciences as well as the natural sciences. I have been involved in several such projects, including one that addressed the history of the environment in the Arctic in the 20th century.



Jeffrey Chagnon

Department of Earth, Ocean &
Atmospheric Science

jchagnon@fsu.edu

Research Interests:

- Extreme Weather Events
- Fire Weather
- Weather in a Changing Climate

I am working on various topics related to improving our understanding of and ability to predict weather and climate. Most of my research concerns the role that clouds play in driving or modifying circulation.

How a Collaborator Could Help Me:

I am interested in knowing about what kinds of improvements in forecasts of the weather would be of most benefit to industry and society (e.g., what phenomena? over what sized areas? what variables --- rain, winds, temperature? on what time scales?).

How I Could Help a Collaborator:

I am looking for collaborators for potential interdisciplinary research and funding opportunities.



Christianne Beekman

Department of Physics

beekman@magnet.fsu.edu

Research Interests:

- Condensed Matter Physics
- Applied Physics
- Clean Technologies

Current research includes strain-engineering of optical, magnetic and electronic properties of thin films of complex oxides.

How a Collaborator Could Help Me:

We grow films of complex oxides in which we strain-engineer optical, magnetic and electronic properties. One goal is to use these materials to design heterostructures of strongly-correlated oxides for electronics and photovoltaics. We can help with the growth, characterization and measurement of new functional materials.

How I Could Help a Collaborator:

I am looking for collaborators for potential interdisciplinary research and funding opportunities.



Jon Oetting

Institute of Science and
Public Affairs

joetting@fnai.fsu.edu

Research Interests:

- Species Habitat Modeling
- Ecological Landscape Integrity
- Climate Change Adaptation for Natural Resources

I'm involved in several conservation planning projects (usually involving GIS), including prioritizing lands for acquisition by the Florida Forever program, prioritizing species habitat conservation priorities, and anticipating impacts of climate change on natural resources.

How a Collaborator Could Help Me:

We do not have particular expertise in detailed local/regional climate change projections, or valuation of ecosystem services. Also hydrological expertise with respect to natural systems and species habitat. Coastal and marine aquatic ecosystems. Advanced statistical analysis.

How I Could Help a Collaborator:

Our shop has considerable GIS analysis skills (especially raster analysis), remote imagery and land cover interpretation, natural community classification, land management needs for species and communities, rare species status and locations, environmental database management, and data visualization through mapping.



Christopher Holmes

Department of Earth, Ocean &
Atmospheric Science

cdholmes@fsu.edu

Research Interests:

- Air Pollution
- Greenhouse Gases
- Atmospheric Chemistry

Our research group uses computer models and observations to understand the changing atmosphere and Earth. Our research studies air pollution, greenhouse gases, and their interactions with weather, climate, and the biosphere. Our current research topics include how air pollution damages plants and forests, climate and health impacts of prescribed fire in the Southeast US, modeling changes in composition of the Arctic atmosphere as sea ice recedes, global mercury pollution, and using satellite observations to monitor atmospheric photochemistry.

How a Collaborator Could Help Me:

We seek partners in government and academia with expertise in the health, economic, and ecosystem impacts of air pollution and climate change.

How I Could Help a Collaborator:

We can provide regional and global simulations of air pollution and atmospheric composition and aid in satellite remote sensing of atmospheric composition.



Clifton Callender

College of Music

clifton.callender@fsu.edu

Research Interests:

- Music Composition
- Music Theory
- Mathematics and Computation in the Arts

I am a composer heavily influenced by ideas from mathematics and science.

How a Collaborator Could Help Me:

I would love to collaborate with FSU researchers and artists for a concert/symposium focusing on environmental themes tentatively scheduled for the 2018–2019 academic year.

How I Could Help a Collaborator:

I am looking for collaborators for potential interdisciplinary research and funding opportunities.



Shawn Smith

Center for Ocean
Atmospheric Prediction Studies

smith@coaps.fsu.edu

Research Interests:

- Marine Meteorology
- Offshore Wind Energy
- Geoscience Informatics

I run a marine data center at COAPS that focuses on collection and quality evaluation of weather and ocean data from ~30 research vessel, that develops products using satellite-based ocean vector wind instrumentation.

How a Collaborator Could Help Me:

Primarily we are seeking collaborators in the engineering, environmental planning, and policy areas interested in offshore wind energy. We are working to develop a consortium of experts that are interested in pushing forward plans for offshore renewable energy development in the waters surrounding Florida and the rest of the Gulf of Mexico.

How I Could Help a Collaborator:

We are experts in marine meteorology and surface oceanographic observation from ships, moorings, and satellite platforms. We have a long history of managing these types of observations and are well connected to both the U.S. and International communities responsible for making these observations. We also have a broad expertise in geoscience informatics, ranging from semantic web technology, distributing data to users using advanced web service technology, and working with a wide range of data formats, controlled vocabularies, etc.



Vincent Salters

Department of Earth, Ocean &
Atmospheric Science

salters@magnet.fsu.edu

Research Interests:

- Mercury Cycling
- Volcanism,
- Cycling of Trace Metals in the Environment

My research focuses on trace element and isotope geochemistry to determine the fluxes of elements in and on Earth.

How a Collaborator Could Help Me:

Provide expertise complementary to mine on environmental and earth systems.

How I Could Help a Collaborator:

Providing access to high quality elemental and isotopic data that covers 70-80% of the periodic table.



John Felkner

Department of Urban and
Regional Planning

jfelkner@fsu.edu

Research Interests:

- Environmental Impact of Transportation Projects
- Socio-ecological Resilience
- Environmental Impacts of Urbanization

My research focuses on evaluating the socio-economic, socio-ecological and environmental impacts of urbanization and transportation in developing countries, and the implications for urban and regional planning and policy that can achieve more sustainable socioeconomic and socio-ecological outcomes.

How a Collaborator Could Help Me:

Expertise in socio-ecological dynamics in developing countries; environmental or socio-ecological impacts of transportation networks, primarily developing countries; econometrics; survey analysis, transportation analysis.

How I Could Help a Collaborator:

GIS and spatial analysis; socio-economic impact evaluation; econometric analysis; environmental research experience in Southeast Asia, Africa and Latin America; environmental science and policy in developing countries.



Jada Brooks

College of Nursing

jada@email.unc.edu

Research Interests:

- Health Disparities
- Environmental Health
- Nursing

My research program advances knowledge of inflammation as a potential biological pathway linking environmental pollutant exposure and psychosocial factors to cardiovascular disease in American Indian women. The goal of this work is to promote environmental health equity among American Indian women.

How a Collaborator Could Help Me:

I would like to work with a potential collaborator to develop potential grant applications that focus on advancing the health of American Indians or other underrepresented ethnic minorities.

How I Could Help a Collaborator:

I am looking for collaborators for potential interdisciplinary research and funding opportunities.



Melessa Kelley

College of Nursing

mnkelley@fsu.edu

Research Interests:

- Diabetes, Obesity, and Environmental Factors that Impact Health

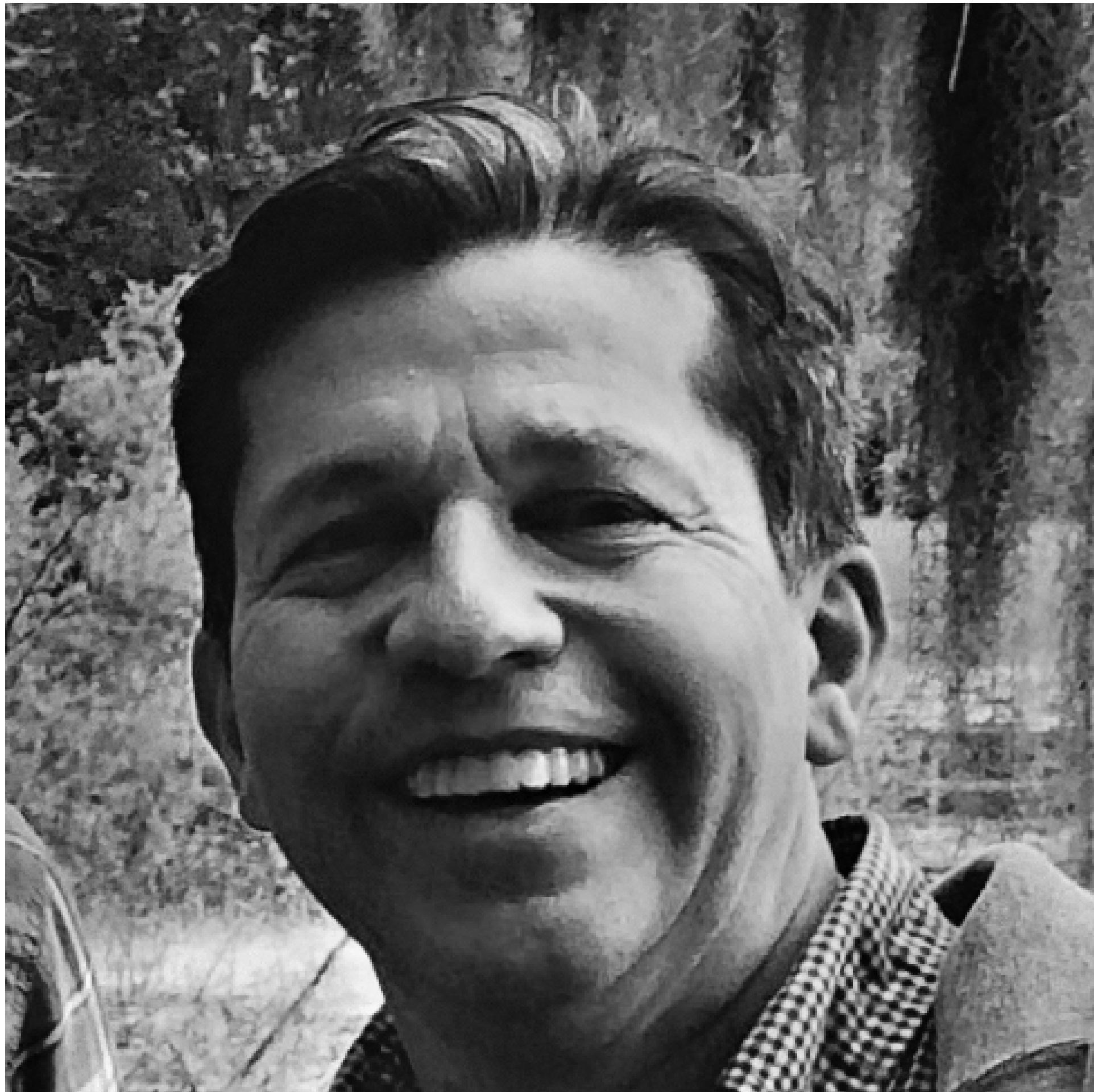
My area of current research interest is in Native American obesity and diabetes and genetic and environmental influences that impact health outcomes.

How a Collaborator Could Help Me:

I would like to work with a potential collaborator to help with environmental influences on health outcomes such as diabetes in obesity particularly rural communities.

How I Could Help a Collaborator:

I am looking for collaborators for potential interdisciplinary research and funding opportunities.



Juan-Carlos Galeano

Department of Modern
Languages and Linguistics

jgaleano@fsu.edu

Research Interests:

- Poetry
- Cultures of the Amazon Basin
- Filming

I am a poet and scholar in multispecies relationships and a documentary filmmaker. My work foregrounds the environmental justice issues and complex symbolic oral narratives of peoples of the Amazon basin.

How a Collaborator Could Help Me:

I am looking for potential partners with experience in grant writing or expertise in seeking funds for the making of documentary film. Additionally, we would collaborate to market, distribute, research festivals and find outreach opportunities for the film. The goal of this collaboration would be to use the film as a critical means for awareness to the cultural responses of Amazonians through their storytelling on the environmental degradation of the Amazon river and tributaries as a result of deforestation, plastic pollutants and oil drilling in the region, overfishing and dredging of major rivers.

How I Could Help a Collaborator:

Having two decades of experience in fieldwork, scholarly interpretation of oral narratives, and doing creative work on belief systems in traditional cultures in the Amazon basin, I could help a collaborator in the design of projects that involves creative writing interpretative forms and audiovisual mediums such documentary film portraying relationships between people and their environment in any other parts of the Earth.



Kristina Buhrman

Department of Religion

kbuhrman@fsu.edu

Research Interests:

- Disasters
- History of Climate
- Japan

My current research focuses on a study of the historical trends in the reporting, recording, and memorialization of disasters (earthquakes, tsunami, typhoons, floods, and famines) in Japan from the classical (650 - 1050 CE) through the modern periods.

How a Collaborator Could Help Me:

Help identify work in geology and climate science relevant to the history of natural disasters in Japan, as well as projects to which research on the historical memory of disasters could contribute.

How I Could Help a Collaborator:

I can provide historical context to and reading of written and inscribed records of disasters in Japan, East Asia. Also information on responses to disasters in Japan in different times in history.



Tian Tang

Askew School of
Public Administration and Policy

ttang4@fsu.edu

Research Interests:

- Clean Energy Technology Innovation
- Environmental and Energy Policy Analysis
- Smart and Sustainable Urban Governance

My research is at the intersection of environmental and energy policy, technology policy, and policy implementation through cross-sectoral collaboration in the context of global climate change and sustainability.

How a Collaborator Could Help Me:

I am interested in working with government collaborators and researchers in the fields of information and communication technology, urban planning, electric engineering, and transportation to study how to better integrate and utilize emerging smart technologies and big data to achieve urban sustainability.

How I Could Help a Collaborator:

Providing socio-economic analysis to understand human and organizational behaviors in response to any environmental, technological, or policy change.



Robert Ross

Department of Earth, Ocean
& Atmospheric Science

rross@fsu.edu

Research Interests:

- Climate Change
- Tropical meteorology

I am currently studying long-term temperature changes over India as related to climate change. I am also studying the potential impact of research in the social sciences and the humanities as important contributors, along with the natural sciences, in our attempts to solve the critical climate change problem.

How a Collaborator Could Help Me:

My formal education is in the natural sciences (atmospheric science). I would like to collaborate with professors from the social sciences and humanities to address in a very broad way the climate change problem. The natural sciences, while indispensable in solving the climate change problem, cannot do it without input from the social sciences and humanities.

How I Could Help a Collaborator:

I can bring natural scientific knowledge of climate change to a collaboration with professors from the social sciences and humanities. I have spent several years in self-study with regard to how some of those disciplines might come into contact with the natural sciences toward solving this critical problem.



James M Fadool

Department of Biological Science

jfadool@bio.fsu.edu

Research Interests:

- Developmental Biology
- Neural Degeneration
- Disease Models

Our broad goals are to uncover new genes and novel genes function essential for the development of the eye and underlying degenerative disease of the visual system. We take advantage of the oft cited benefits of the zebrafish as a genetic model of vertebrate development and human disease to specifically investigate the specification, patterning and degeneration of the rod and cone photoreceptor, the light sensing cells in the back of our eyes.

How a Collaborator Could Help Me:

We hope to expand our approaches to better incorporate bioinformatic tools and experimental expertise for analysis of gene regulatory elements, and refine our small molecule and chemical screens to accelerate the identification of agents or potential cellular targets for slowing the progressive vision loss in our models of inherited dystrophies.

How I Could Help a Collaborator:

We can provide expertise to help you and your trainees take advantage of the power of zebrafish genetics as novel approach to answer basic biological questions or as models of human disease. We will gladly work with collaborators interested in applying genome editing tools to generate precisely defined genetic lesions of inherited disorders in any organ system. We can help generate transgenic lines expressing fluorescent reporter genes to track an array of dynamic cellular processes and help your staff to take full advantage of available imaging resources on campus.



Xiaolin Zhang

Department of Earth,
Ocean & Atmospheric Science

xz12j@my.fsu.edu

Research Interests:

- Climate Dynamics
- Interannual and Intraseasonal Predictability
- The Global Hydrologic Cycle

I'm trying to explore how the ocean responses to the rainfall and wind stress forcing near the Inter-Tropical Convergence Zone as well as in the eastern equatorial Pacific ocean and how it's related to ENSO prediction.

How a Collaborator Could Help Me:

My past research mainly focused on exploring the dynamics of ocean and improving the interannual and intraseasonal prediction. But I also would like to learn how these information can be used in environmental related topics and what kind of information is helpful for their research.

How I Could Help a Collaborator:

As a Physical Oceanographer and climate scientist, my research interests are very broad. I have a passion to explore all the aspects related to the dynamics of the ocean and atmosphere. My PhD work mainly focuses on the equatorial dynamics and was trying to answer fundamental questions related to the prediction of ENSO, which is a 2 to 7 year variability in the equatorial Pacific and has a global impact, like the up-welling near Peru, the monsoon in India and the winter temperature in Tallahassee.



Jessica Wendorf Muhammad

School of Communication

jwendorfmuhammad@fsu.edu

Research Interests:

- Hypervulnerable Populations
- Interactive Prevention Interventions
- Participatory Action Research

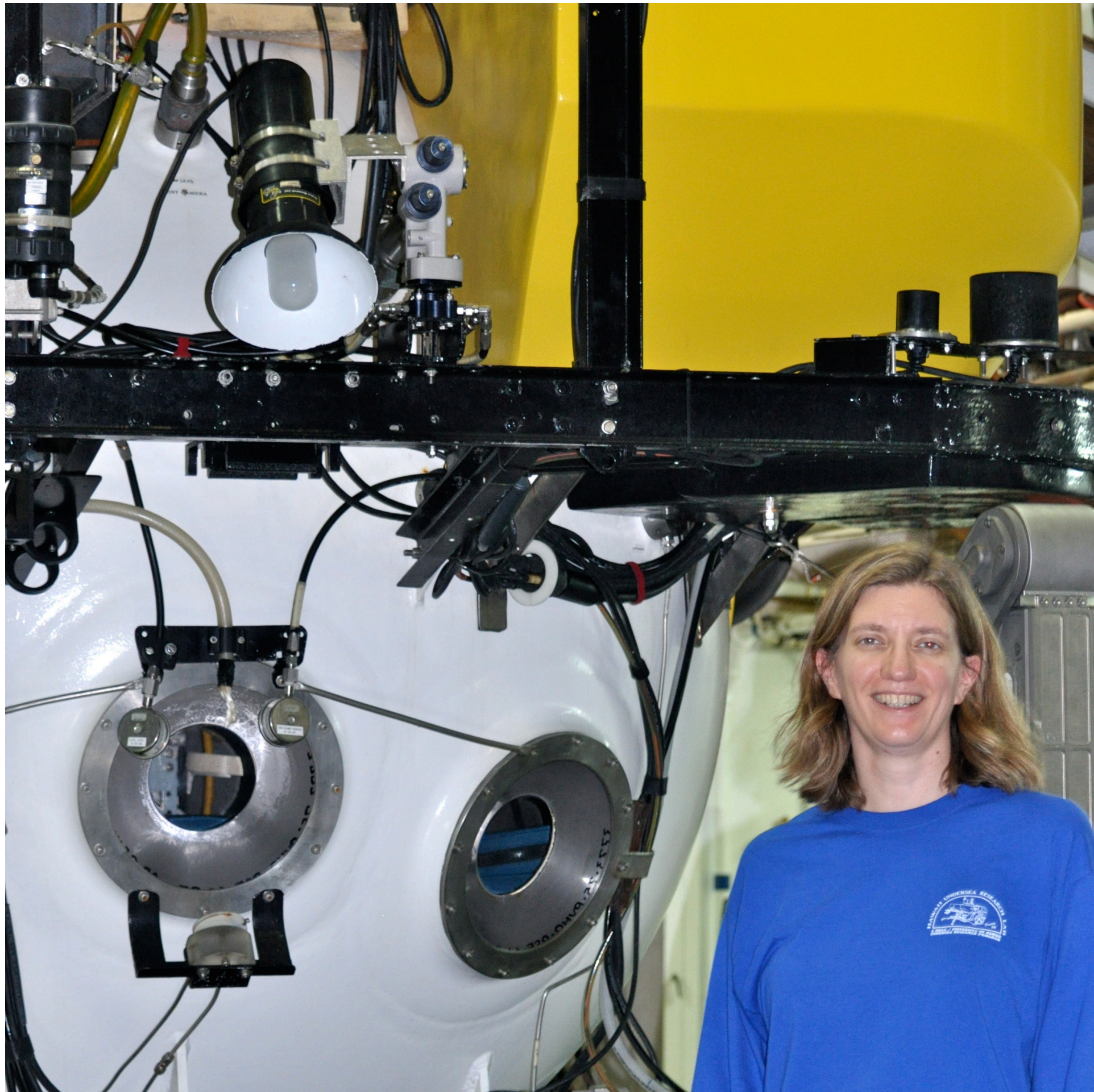
My research focuses on understanding how and why enacted, entertainment-educational experiences (e.g., game-based interventions) influence individuals.

How a Collaborator Could Help Me:

Working with someone from areas such as urban planning, social policy or public health could help in the development of a systems thinking-based research strategy.

How I Could Help a Collaborator:

I possess vast knowledge of the region (Latin America, specifically Colombia) and have secured community buy-in and organizational level support. I have have experience securing funding and developing game-based, public health interventions -- from proposal development and submission to execution and subsequent evaluation.



Amy Baco-Taylor

Department of Earth, Ocean
& Atmospheric Science

abacotaylor@fsu.edu

Research Interests:

- Ecology and Conservation of Benthic Marine Organisms
- Genetic and Genomic Tools to Address Ecological Questions
- Deep-sea Ecology

Most of my research has been focused on deep-sea ecosystems in the Pacific Ocean. The tools and methods I use can be applied to any ecosystem however, and I am hoping to develop new projects focused on shallow and coastal ecosystems in the Gulf and US east coast

How a Collaborator Could Help Me:

I am hoping to develop new projects focused on shallow and coastal ecosystems in the Gulf and US east coast.

How I Could Help a Collaborator:

I can provide genetic/genomic and statistical tools and expertise. I have experience working on basic research that informs management.



Dean Grubbs

Coastal & Marine Lab

dgrubbs2@fsu.edu

Research Interests:

- Marine Conservation
- Fisheries Science

The mission of the FSU Coastal and Marine Laboratory is to conduct innovative, interdisciplinary research focused on the coastal and marine ecosystems of the Wider Caribbean that contributes to solving the ecological problems of the region by providing the scientific underpinnings for informed policy decisions.

How a Collaborator Could Help Me:

FSUCML faculty maintain active, highly collaborative research programs covering a wide array of topics. Much of their research is interdisciplinary and they are always interested in involving new potential collaborators.

How I Could Help a Collaborator:

The FSU Coastal and Marine Laboratory houses significant resources to promote and assist marine and coastal research. The FSUCML is home to the 65' Research Vessel Apalachee as well as a fleet of small vessels from 14' to 28' in length.



Christopher Teaf

Institute of Science and
Public Affairs

cteaf@fsu.edu

Research Interests:

- Toxicology
- Public Health
- Environmental Risk Assessment

My research focuses on human health risk assessment, and the evaluation of contaminated sites.

How a Collaborator Could Help Me:

I am looking to increase my interaction with related disciplines such as environmental engineering, environmental fate & transport, chemistry, epidemiology.

How I Could Help a Collaborator:

I can provide expertise in the areas of public health, toxicology, health risk assessment.



Joseph Grzywacz

Department of Family
and Child Sciences

jgrzywacz@fsu.edu

Research Interests:

- Low-dose, Endemic Environmental Exposures
- Social Stressors
- Interaction of Physical and Social Stressors

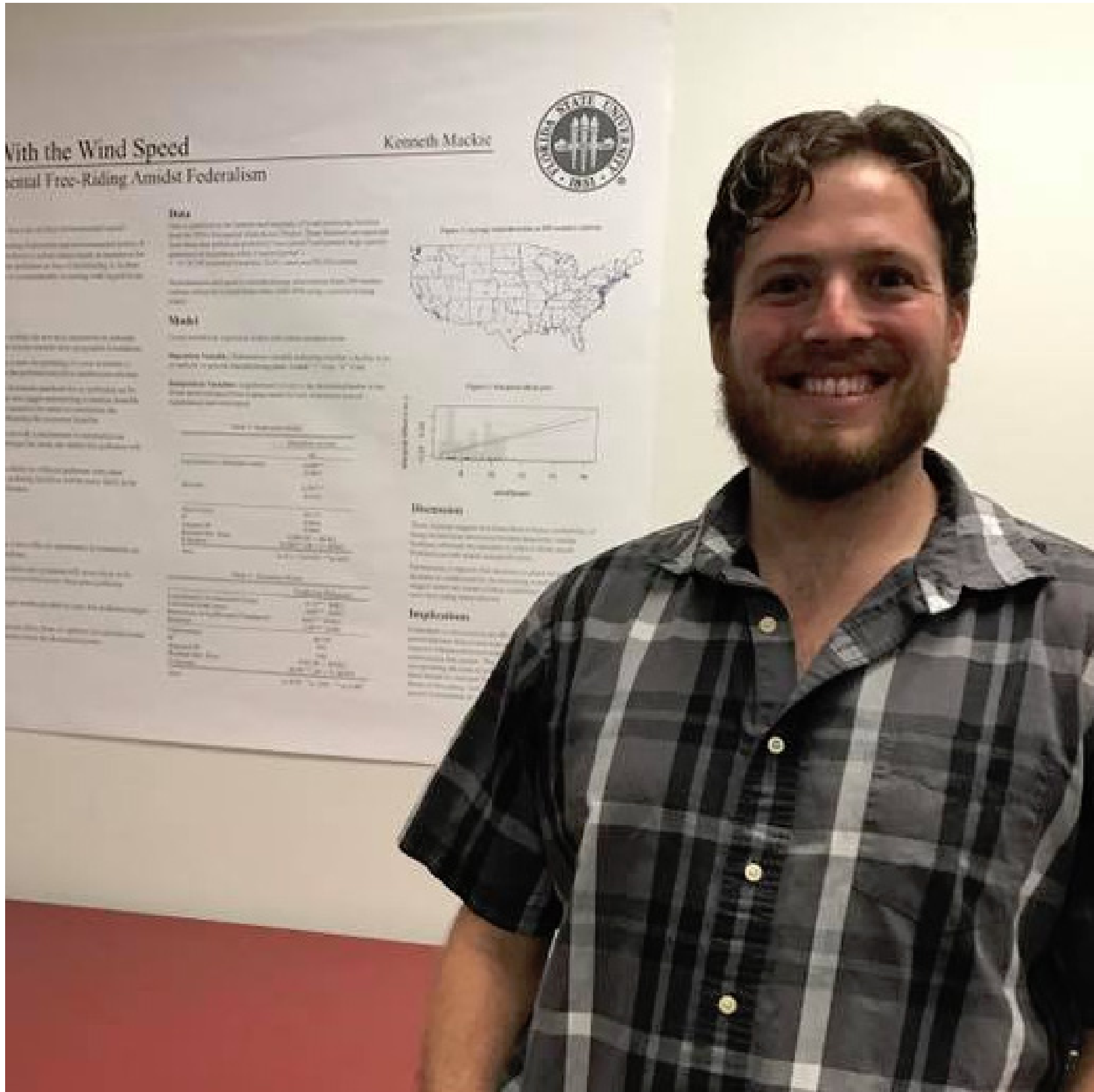
My research program focuses on the health-related implications of everyday work and family life.

How a Collaborator Could Help Me:

Collaboration in alternative matrices for biomarker collection, alternative lab analyses for biomarker detection and quantification, power calculation and statistical design, observational assessment of children's behavior.

How I Could Help a Collaborator:

I have held continuous NIH funding for 15 years, so I can help write award-winning proposals; I have established expertise in community-based participator research methods; I have strong connections in the Latino farmworker community, and expertise collecting a wide variety of data from this population including biomarkers, survey data, device data (e.g., actigraphy, 24-hour diet recalls), qualitative data; I have substantial experience with promotor- or lay health advisor-based intervention designs.



Kenneth Mackie

Department of Political Science

krm16d@my.fsu.edu

Research Interests:

- Climate Change Policy
- Science Literacy
- Inequality (economic & racial)

My research focuses on examining ways to garner support for climate change legislation amongst conservative voters.

How a Collaborator Could Help Me:

I am trying to aggregate knowledge from relatively disparate fields under one framework in order to account for various social/environmental problems (climate change, science literacy, and inequality). A potential collaborator would be an individual capable and excited about systems-level thinking, strong objective reasoning combined with outside the box thinking, and a thorough respect for science, and the scientific method.

How I Could Help a Collaborator:

I am looking for collaborators for potential interdisciplinary research and funding opportunities.



Lisa Waxman

Department of Interior
Architecture and Design

lwaxman@fsu.edu

Research Interests:

- Sustainability as it relates to the design of the built environment
- Leadership in Energy and Environmental Design (LEED)
- Health and well-being in the built environment

My research focuses on the role of place in well-being, which can include many elements of design, including sustainability.

How a Collaborator Could Help Me:

I have knowledge of the interior environment but would value collaboration with others with more knowledge of building shell and core, as well as neighborhood development.

How I Could Help a Collaborator:

I have knowledge of LEED and how the design of the built environment can lead to more sustainable living.



Jill Pable

Department of Interior
Architecture and Design

jpable@fsu.edu

Research Interests:

- Environments for Homeless Persons
- Environmental Psychology

My current research focuses on improving the design of architectural environments for disadvantaged populations. I am interested in identifying psychological association cues prompted by homeless shelter physical architecture that support or suppress residents' sense of self identity. I am currently working on a proposal in this area.

How a Collaborator Could Help Me:

I am always seeking collaborators from other allied fields, especially psychology, social work and similar. I am interested in partnering and learning from someone with an eye toward quantitative analysis.

How I Could Help a Collaborator:

I can brainstorm problems and research questions well. I also manage a non-profit website organization called Design Resources for Homelessness (designresourcesforhomelessness.org) where findings can be disseminated for practical adoption by members of the public, design practitioners and researchers.



Susan Fiorito

Jim Moran School of
Entrepreneurship

sfiorito@jimmoranschool.fsu.edu

Research Interests:

- Entrepreneurship

Dr. Susan S. Fiorito is the Director of the Jim Moran School of Entrepreneurship, Jim Moran Professor of Entrepreneurship and Entrepreneur in Residence. Dr. Fiorito's research focuses on retailing, small business management and buying and has been featured in a variety of academic journals.

How a Collaborator Could Help Me:

I am looking for collaborators for potential interdisciplinary research and funding opportunities.

How I Could Help a Collaborator:

I am looking for collaborators for potential interdisciplinary research and funding opportunities.



Rebecca Augustyniak

Center for Information
Management & Educational
Services

raugustyniak@fsu.edu

Research Interests:

- Information Systems and Applications
- Instructional Design and Training
- Information Management

CIMES is a multidisciplinary applied research and development center. We are committed to leading agencies in exploiting the knowledge economy to better serve their target populations through the effective use of information and communication technologies. Our systematic approach to information assets and outreach enables organizations to exceed their strategic and operational goals by transforming complex information into effective communication and learning.

How a Collaborator Could Help Me:

We develop training and information systems for organizations in a variety of disciplines. We often need an SME for projects since we are not subject matter experts in their disciplines.

How I Could Help a Collaborator:

We can provide support for projects that need:

- Custom information systems and applications
- Web portals
- Training materials (print and web-based)
- Clearinghouses and resource centers
- Marketing and outreach services and materials



Bill Green

Department of Physics

Wgreen@fsu.edu

Research Interests:

- Cosmology

My research focuses on the early universe.

How a Collaborator Could Help Me:

I am looking for collaborators to help perform climate change assessment.

How I Could Help a Collaborator:

I have practiced environmental law for 40 years.



Kelly Grove

University Libraries

kegrove@fsu.edu

Research Interests:

- Library Instruction
- Earth Sciences
- Environmental Publications

As an earth sciences librarian I am interested in how to best support researchers, instructors, and students working within the earth sciences.

How a Collaborator Could Help Me:

As a librarian I can help anyone who is looking for a collaborator who can use assistance with data management, help conducting literature review, publication assistance, and I can help them find material pertaining to their topic outside of their discipline.

How I Could Help a Collaborator:

As a librarian I can help anyone who is looking for a collaborator who can use assistance with data management, help conducting literature review, publication assistance, and I can help them find material pertaining to their topic outside of their discipline.



Kristine Harper

Department of History

kcharper@fsu.edu

Research Interests:

- Stmospheric Sciences
- Water Resources
- Desalination

My new research area is focused on US government water resources development during the 20th century, with specific emphasis on desalination projects during the post-World War II period.

How a Collaborator Could Help Me:

I could use some scientific and engineering expertise as I decipher the different desalination methods and their advantages and disadvantages since I will need to explain these in “just plain English” for my readers (I am writing a book).

How I Could Help a Collaborator:

My expertise is in the history of science and technology focused on the 20th century, especially the Cold War period, and on the earth sciences (atmosphere, hydrosphere). I can help put scientific and technological work into historical context, how that work is influenced by governmental entities, and how it is affected by policy-makers.



Mary McCormick

College of Law

mmccormi@law.fsu.edu

Research Interests:

- Energy
- Land Use
- Climate Change

I teach Environmental Legal Research.

How a Collaborator Could Help Me:

I am always interested in the types of research skills that students in environmental programs need.

How I Could Help a Collaborator:

I am looking for collaborators for potential interdisciplinary research and funding opportunities.



Bill Schultz

Department of Political Science

wbs15@my.fsu.edu

Research Interests:

- Natural Resource Management
- Corruption
- Illegal Activity

I am interested in the dynamics of how common-pool resource dilemmas emerge, and the factors driving illegal use of natural resources. My hope is to connect environmental politics research more thoroughly with other topics studied across the social sciences.

How a Collaborator Could Help Me:

I would like to learn how to better connect my current work to topics that interest other environmental researchers. I am also interested in help developing my findings into more compelling recommendations for environmental NGOs.

How I Could Help a Collaborator:

I am familiar with statistical methods via my training as a graduate student in the political science department, and conduct economics-styled laboratory experiments for my own research. I can also help connect research from other fields to related topics studied by political scientists.