



**Reports from the Frontier III - Pathways to
Change: Policy and Action for Resilience
iCAR Phase V**

October 29-30, 2019

**Location: University of South Florida, St. Petersburg
Room: University Student Center (USC) Ballroom
200 6th Ave South, St. Petersburg, FL 33701**



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iCAR Executive Board

Dr. Barnali Dixon (PI and Executive Director of iCAR)
Dr. Rebecca Johns (Director of Community Outreach and Education)
Dr. Donny Smoak (Director of Research, Climate Science)

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iCAR 2019 Workshop Advisory Panel

Kelli Hammer-Levi (Pinellas County)
Jamie Serino (TSIC of Manatee County)
Benjamin Smet (OPEN)
Jenny Fessler (OPEN)

Introduction:

This 2-day workshop, hosted by the Initiative on Coastal Adaptation and Resilience (iCAR), University of South Florida St. Petersburg (USF Saint Petersburg), Gamma Theta Upsilon (GTU), and the Tampa Bay Regional Planning (TBRPC), will engage participants in discussion about societal responses to climate change and the role of policy-makers, scholars and citizens to translate science and policy into action. We will discuss how our innate engineering such as myopia, amnesia, optimism, inertia, simplification and herding impacts our ability to prepare and respond to potential risks and hazards including climate change related risks. We will discuss opportunities and barriers to translating science into policy, how change can be organized and social mobilization can happen in the context of climate change and coastal resilience. We will also discuss the role of participatory decision-making, stakeholder analysis and consensus building in instituting changes in policy and practices related to coastal resiliency.

Through a series of presentations and followed by facilitated discussions and breakout sessions between experts from the national level, state level and Tampa Bay regions, participants will explore potential regional solutions and approaches for addressing the resilience and adaptations of coastal cities to climate change.

Workshop Objectives:

- ✓ The conference will build-on previously identified research, data, and policy gaps and find strategies to link research agendas to public policy formulation that emphasizes solution-oriented approaches for coastal cities, with a particular focus on how change happens
- ✓ Explore how science can be applied to create actionable policies (national, state and local levels)
- ✓ Explore how policies to build community resilience and adaptation to the effects of climate change are being translated into action here in the Tampa Bay region and around the country
- ✓ Explore how diverse communities build consensus and implement changes for resilience
- ✓ Explore how local and national officials are working toward a climate resilient economy
- ✓ Explore the implementation of resilience policies in marginalized communities here in Pinellas

Workshop Topics:

1. Review of Ostrich Paradox – innate engineering
2. Opportunities and barriers for translating science into policy and policy into action
3. Urban development and Coastal High Hazard Zones
4. Strategies for creation of a resilient economy

5. Role of public participation and effective strategies for coastal resiliency through consensus building
6. Building inclusive communities for climate resilience, equity and health
7. Understanding how social and policy change happens
8. Protecting cultural heritage sites from Sea Level Rise
9. Updates from the State Office of Climate Resiliency and the Tampa Bay Regional Planning Council
10. Using crowd-sourced data for better decision-making for climate resilience

Who Should Attend:

- ✓ Citizens, and Representatives from Homeowners Associations, Neighborhood Civic organizations
- ✓ Businesses including but not limited to: Insurance industry, Real Estate, Consulting Firms, Energy providers
- ✓ NGOs (including those interested in environmental and social justice) and social service providers (religious organizations, affinity organizations)
- ✓ Students, Faculty & Researchers
- ✓ Elected Officials & Government Administrators
- ✓ Professionals involved in coastal resilience: Transportation and Urban Planners, Floodplain Managers, Emergency Managers, Public Works, Health Professionals, Natural Resource Managers, Engineers & Scientists.

Benefits:

- ✓ Learn from speakers chosen based on their academic and professional credentials and proven expertise in their fields
- ✓ Learn about cutting edge information (opportunities and barriers) regarding pathways to change : viz. science into policy and policy into actions
- ✓ Network and share information with other individuals engaged in coastal resilience planning throughout Florida
- ✓ Shape research agendas and future climate adaptation efforts in the Tampa Bay region and beyond and for iCAR's community-driven research agenda.

To learn more about iCAR and past workshops please Visit our website at www.usfsp.edu/icar

iCAR PHASE V

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October 29 – 30, 2019
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University Student Center (USC Ballroom)



Day 1: October 29	Tentative Agenda: Translating Science into Policy
12:00 noon	Registration
1:00 pm	WELCOME by Peter Stiling, Assistant Vice Provost – Strategic Initiatives, USF
1:05 pm	WELCOME & INTRODUCTION by Mark Rains, Director of School of Geosciences, USF
1:10 pm	OVERVIEW of iCAR by Barnali Dixon, Executive Director of iCAR
1:20 pm	INAUGURATION by Mayor Rick Kriseman, St. Petersburg
1:30 pm	OPEN KEYNOTE ADDRESS 1 - ARESTY SPEAKER: The Ostrich Paradox by Robert Meyer (Wharton College, University of Pennsylvania)
2:20 pm	Q & A Open dialogue with Dr. Meyer
2:30 pm	MAYOR'S PANEL: How St. Petersburg and American Cities are setting Policy Agendas for a Resilient Future with Q&A Mayor Kriseman , Leading policy efforts on the U.S. Conference of Mayors Environment Committee Ann Livingston , Supporting St. Pete's Bloomberg Philanthropies American Cities Climate Challenge (ACCC) initiatives Moderator: Benjamin Smet
3:15 pm	Whitney Gray , Office of Resilience & Coastal Protection, FDEP, Achieving Coastal Resilience Together with Q & A
3:45 pm	Panel Discussion I: Climate Science, Urban Redevelopment, Preservation and Health Inequity Libby Carnahan , UF/ IFAS, "Updated Regional Sea Level Rise Projections" Liz Abernethy , City of St. Petersburg, "Coastal High Hazard Zones and Urban Planning" Nicolette Louissaint , Ph.D., Healthcare Ready, "Best Practices for Health Justice" Cara Serra , Tampa Bay Regional Planning Council, "Regional Resilience Efforts" Moderator: Rebecca Johns, USF
4:45 pm	Q & A with Panel I
5:00 pm	Reports from the iCAR project: Resiliency from the ground up by Barnali Dixon and Rebecca Johns with Q&A
5:20 pm	Adjournment

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Day 2: October 30

Translating Policy into Action

8:30 – 9:15 am	Registration and Coffee	3:00 pm	Q & A
9:15 am	OVERVIEW of the Conference Schedule by Rebecca Johns, iCAR	3:15 pm	Break (coffee, water, soda)
9:20 am	Keynote Address II: Heather Booth, Midwest Academy “Organizational principles and strategies toward change”	3:30 pm	Breakout session: What does sustainability mean to you? Session Leader: Alexandria Hancock, Sustainability Coordinator, City of St. Petersburg
9:50 am	Interactive strategy session with Heather Booth. : Strategies to promote change	4:00 pm	Panel Discussion IV: Building Consensus through Inclusive Communities Ife Kilimanjaro, Ph.D. , US Climate Action Network “Creating Inclusive Communities” David Brain, Ph.D. , New College, “Community Building and Sustainable Development” Sara Green, Ph.D. , USF, “Creating Disability Friendly Disaster Plans: Insights from Collaborative Research in Dunedin, FL” Moderator: Heather O’Leary, USF
10:10 am	Q & A		
10:20 am	Break (coffee)		
10:40 am	Panel Discussion II: Strategies for Transformative Change Michael Anthony Mendez, Ph.D. , University of California - Irvine, “Climate Change from the Streets: Conflict and Collaboration” Alan Bush, Ph.D. , USF, “Leadership & Governance for Resilience: lessons from the high Andean Quechua” David Zeller, Ph.D. , USF Tampa, “Environmental Movements” Jamie Sommer, Ph.D. , USF Tampa, “Constituting Environmental Citizenship through Governance for Climate Adaptation.” Moderator: Heather Booth, Midwest Academy		
11:30 am	Q & A	4:45 pm	Q & A
11:45 am	Breakout session: How does change happen in your community? Session Leader: Heather O’Leary, Ph.D.	5:00 pm	Breakout Session: How do you define community? Session Leader: Barbara Stalbird, City of St. Petersburg
12:15 pm	Lunch Provided	5:30 pm	Closing Remarks: Barnali Dixon, Executive Director, iCAR
1:30 pm	Report from Commissioner Long and CJ Reynolds	5:45 pm	Adjournment
2:00 pm	Panel Discussion III: Creating a Resilient Economy Kathrin Winkler , GreenBiz, “Corporate Sustainability and Climate Realities” Anne Pollack , Fletcher & Fischer, P.L., “Developing Informal Strategies for Small Businesses” Nikki-Gaskin-Capehart , Urban Affairs, St. Petersburg, “City Policies for Resilient Communities” Moderator: Alison Barlow, St. Petersburg Innovation District		

GTU, USFSP, USF Conference Grant and OPEN (Open Partnership Education Network), as well as Tampa Bay Regional Planning Council (TBRPC), VHB, Dewberry, for their generous donations. Gamma Theta Upsilon (GTU) is an international honor society in geography

We would like to thank Dr. Magali Michael, Dean, College of Arts and Sciences, USFSP and Regional Chancellor, USFSP Dr. Martin Tadlock for their financial support

Speakers/Moderators and Workshop Organizing Committee Members



Elizabeth Abernethy, AICP

(Elizabeth.Abernethy@stpete.org) has over 25 years as a practicing planner in the Tampa Bay region, with fifteen years in public service and eleven in private practice. Since September 2014, Elizabeth has served the City of St. Petersburg, first as manager of the Development Review Services Division and Zoning Official and currently as the Director of Planning and Development Services, directing the City's building, zoning and planning activities. Elizabeth's previous experience from 2004 through 2014 includes private sector positions as a Site Development Project Manager for Bloomin' Brands, Inc., managing national level restaurant development on their behalf and as a Senior Project Manager, Associate for the firm of WilsonMiller/Stantec, managing a variety of

private-sector real estate land development projects. Previous public sector experience includes eleven years with the City of Tampa. Elizabeth holds a Master of Arts in Urban & Regional Planning from the University of Florida, a Bachelor of Arts in Public Affairs with a minor in Environmental Policy from the State University of New York at Albany and has been a certified by the American Institute of Certified Planners since 2004.



Alison Barlow

(abarlow@stpeteinnovationdistrict.com) is the Executive Director of the St. Petersburg Innovation District located in St. Petersburg, Florida. Her role is to harness regional expertise in healthcare, marine science, education, data analytics and art to form unique collaborations. These collaborations imagine innovative research and technology that grow the economic vibrancy of St. Petersburg and address key global issues. Ms. Barlow received a Bachelor's in Hospitality Administration from Florida State University, and a Master of Business Administration from

American University in Washington D.C. Prior to joining the Innovation District, she was a business and technology consultant based in Washington DC. Ms. Barlow advised leaders, often in the Department of Defense, on strategic planning, process improvement and technology project management. Upon her return to Florida, Alison was the operations manager of Collaborative Labs at St. Petersburg College, a strategic planning and facilitation team that served nonprofit, for profit and government organizations.



Heather Booth (hboothgo@aol.com) earned her BA and MA from University of Chicago and is the director and founder of the Midwest Academy, one of the premier organizer training institutes in the U.S. She has a lifetime of experience in grassroots organizing techniques and has worked with the NAACP, the Democratic Party and the AFL-CIO. She was the director of the AFL-CIO health care campaign and ran the campaign that won financial reform and the Consumer Financial Protection Bureau, and many other successful issue campaigns. She is a member of the consulting firm, Democracy Partners. The Midwest Academy provides training for organizers across the country, with the goal of helping participants “to think

and act strategically to win justice for all.” Relevant links for more information about Ms.

Heather Booth: <https://www.midwestacademy.com/about/board/>

and <http://www.heatherbooththefilm.com>



David Brain (brain@ncf.edu) studied architecture at the University of Cincinnati before an interest in urban issues led him to a BA in sociology at the University of California, Berkeley, and a Ph.D. in sociology at Harvard University. He is currently a Professor of Sociology and Environmental Studies at New College of Florida, and a Research Associate with the Center for the Future of Places, KTH Stockholm. His research has focused on the connections between place-making, community-building, and civic engagement, and his current work is focused on the contemporary challenges of urban public space. He has been a frequent contributor to educational programs for citizens and

professional practitioners, especially with regard to design-centered collaboration. In addition, he has been active as a consultant in a variety of planning, design, and community development projects, with a focus on effective community engagement and consensus building.



Alan Bush, PhD (alanbush@honors.usf.edu) is an instructor in the Honors College & Affiliate Faculty in Urban Planning in the School of Public Affairs at the University of South Florida. Taught courses include the Resilience Practicum & Planning for Resilient Communities. Recent research includes an NSF Smart & Connected Cities funded planning grant on resilience to Sea Level Rise in Tampa Bay, and ethnographic field research on leadership & governance practices for resilience in the Sacred Valley of Peru. Prior to USF, Alan worked for over 10 years on projects fostering community resilience. Growing up in the economically, socially, and ecologically stressed city of Cleveland, Alan was inspired to understand the how communities can thrive in volatile and uncertain

world. These projects spanned four continents, and afforded him to the opportunity to work with the social sector, government, and in higher education.



Libby Carnahan (lcarnahan@co.pinellas.fl.us) is the UF/IFAS Extension, Florida Sea Grant Agent in Pinellas County. Libby is playing a leading role in Tampa Bay in helping citizens, governments, and industry make well-informed choices in th face of a changing climate. Libby facilitates the Tampa Bay Climate Science Advisory Panel, is a member of the Gulf of Mexico Climate Outreach Community of Practice, and a leader of the UF/IFAS Florida Sea Grant Work Action Group. Libby holds a BS in Biology from Truman State University (1998) and an MS in Marine Science from the University of South Florida (2005).



Nikki-Gaskin-Capehart (Nikki.Capehart@stpete.org) is the Director of Urban Affairs. The Urban Affairs strategic plan targets four areas of investment; opportunity creation, nurturing neighborhoods and families, connecting through cultural affairs, and being a catalyst for commerce. This strategy is deeply rooted in the City's vision to be a city of opportunity where the sun shines on all who come to live, work and play. One of the areas that she is most passionate about is the My Brother's and Sister's Keeper Initiative that exists to better support young African American men and women. Nikki holds a Bachelor of Arts Degree in Communication from the University of South Florida (USF) and is currently pursuing a Master's of Liberal Arts Degree from the University of South Florida St. Petersburg. She is a graduate of Leadership St. Petersburg, National Urban

Fellows America's Leaders of Change, Tampa Bay Public Leadership Institute, Whitney M. Young Jr. Emerging Leaders, and the Tampa Bay Chapter of the New Leaders Coalition.



Barnali Dixon Ph.D (bdixon@mail.usf.edu) a professor of GIS and Remote Sensing at the Univ. of South Florida Saint Petersburg. She is also the Director of the Geospatial Analytics lab. She is the Executive Director of iCAR and PI of the Conference Grant and research project related to iCAR. <http://www.usfsp.edu/espg/dixon/>. She has extensive experience in the application of Geographic Information Systems (GIS), remote sensing and approximation tools such as fuzzy logic for environmental modeling. Specific research interests and projects include: risk assessment and environmental modeling for soil, water and landuse interactions, as well as surface and ground water quality and

quantity. She earned her PhD in Environmental Dynamics from the University of Arkansas in 2001. Dr. Dixon's study areas include Florida, USA; and internationally, Argentina, China, Greece, India, Iran, Kuwait, Malaysia, Nigeria, Thailand and Turkey. She has over 50 refereed publications and 5 monographs. She recently gave a TEDEx Youth talk in China about Climate change related adaptation and resilience. She authored the book, "GIS and Geo Computation for Water Resources Science and Engineering" (Wiley), which was recognized on the 2019 list of 100 Best GIS Books by Book Authority (<https://bookauthority.org/books/best-gis-books>). She is the recipient of the Fulbright Specialist award and worked with Thailand's space agency GISTDA to explore role of space technologies to benefit society, resiliency and sustainability.



Whitney Gray (Whitney.Gray@dep.state.fl.us) has been the Administrator of the Florida Resilient Coastlines Program in the Florida Coastal Office of DEP since December of 2017. Her bachelor's and master's degrees are from the University of Florida (Go Gators!) where she studied zoology and systems ecology. She first worked on climate change vulnerability assessment and adaptation planning with the Southwest Florida Regional Planning Council. From 2012 to 2015, Whitney served as Sea Level Rise Coordinator for both FWC and Florida Sea Grant, specializing in the effects of sea level rise on coastal ecosystems. She coordinated an internal climate change seminar series, "Florida Adapts," and served as a subject matter expert on Species Action Plans during the Imperiled Species Management Planning process. Originally from Florida's Gulf coast, Whitney has

seen first-hand how sea level rise has changed the state, from critical erosion to "ghost forests." Her task now is to bring sea level rise resilience planning to the forefront of DEP activity for the long-term benefit of the people and ecosystems of Florida.



Sara E. Green (sagreen@usf.edu) received her PhD in Sociology from Tulane University. She is Director of the Interdisciplinary Social Sciences Program and Professor in the Department of Sociology at the University of South Florida. Her interdisciplinary research and teaching interests center on the experience of health, illness and disability across the life course including: identity, community and organizational inclusion, humor and the arts, stigma, and care giving and receiving. She is past chair and career award recipient of the American Sociological Association (ASA) Section on Disability & Society and past co-chair of the ASA Committee on the Status of Persons with Disabilities in Sociology. In addition to numerous journal articles and chapters, she is co-editor, with Donileen Loseke, of *New Narratives of*

Disability: Constructions, Clashes, and Controversies (Emerald); co-editor, with Sharon Barnartt, of *Sociology Looking at Disability: What Did We Know and When Did We Know It?* (Emerald); and co-author, with Shawn Bingham, of *Seriously Funny: Disability and the Paradoxical Power of Humor* (Lynne Rienner).



Alexandria Hancock

(Alexandria.Hancock@stpete.org) is the Sustainability Coordinator for the City of St. Petersburg, where she helps to integrate sustainability and resiliency principles into St. Petersburg's future. In her role, she works on programs and policies for 100% clean energy, zero waste, green building and sustainable infrastructure, climate resiliency, and electric vehicle infrastructure. She helped to develop the city's Integrated Sustainability Action Plan and assisted in the process of St. Petersburg becoming one of 25 winning cities in the American Cities Climate Challenge. Alex earned her Bachelor's degree in Urban Planning from the University of Cincinnati, and her Master's degree in Forest Resources and

Conservation with a Geospatial Analysis Certificate from the University of Florida.



Rebecca Johns, Ph.D (rjohns@mail.usf.edu) is the former Frank E. Duckwall Professor of Florida Studies and an associate professor of geography. She received her Ph.D. from Rutgers University and her M.S. from the University of Wisconsin-Madison, both in geography. She holds a B.A. in Anthropology from Stanford University. She is currently the secretary of the Florida Society of Geographers. Dr. Johns' recent publications focus on the construction of narratives of environmental citizenship in educational exhibits at nature parks. She has also published on local scale problems related to Florida's social and environmental landscapes, including issues of native plants,

residential yardscapes, and food deserts. She is currently working issues related to the representation of animals in educational exhibits; environmental education programs in India; the historical construction of the environmental citizen through the activities of the Sierra Club; and issues of inclusion and exclusion of vulnerable communities in climate resilience efforts. She serves as the Director of Education and Outreach for iCAR. She directs the annual community outreach and education series for iCAR. More information can be found at <http://www.usfsp.edu/icar/community-outreach-and-education/>. Dr. Johns' website is www.rebeccajohns.net



Ife Kilimanjaro, PhD

(ikilimanjaro@usclimatenetwork.org) received her PhD in Sociology from Howard University. From Detroit to DC and beyond, Ife Kilimanjaro has dedicated her life to working alongside many who are challenging exploitative socio-economic-political systems in order to co-create the basis for a new, just, and sustainable world for all. More recently, Dr. Ife co-founded The Wind & The Warrior, a collective dedicated to healing people, communities and ecosystems through integrating social activism and spiritual practice. She works as Senior Director of Network Engagement for the U.S. Climate Action Network, a network of 170+ organizations working together to address the climate crisis.



Ann Livingston, JD, (alivingston@nrdc.org) has extensive experience in policy, planning, and program work in sustainability and resiliency. For more than 18 years, she has worked throughout the United States on a wide range of related issues, including energy efficiency, renewable energy, green building, climate change, finance, community development, land use, zero waste, transportation, economic development, and healthy communities. Since earning both a Juris Doctorate and an Interdisciplinary Graduate Certificate in Environment, Policy and Society from the University of Colorado, Ann has consistently taken an entrepreneurial approach to developing and implementing leading edge solutions to energy and sustainability issues facing communities, regions, and states.

Throughout her career she has focused on systems-based approaches by balancing environmental, economic, social, political, legal, and other concerns in order to develop and implement strategic solutions. During this time Ann has worked collaboratively with multiple levels of government, utilities, the private sector, advocacy groups, Federal Laboratories, the Department of Energy, and state energy offices among others. She is the author, co-author, editor, and peer reviewer of numerous papers and reports. Her work at the City of Fort Lauderdale, the Southwest Energy Efficiency Project, Boulder County (CO), Environment Colorado, the Wirth Chair, the American Institute of Architects, the Colorado Green Building Guild, and the private sector provides her with a unique perspective on issues related to green building, the built environment, and sustainability. Through the American Cities Climate Challenge funded by Bloomberg Philanthropies, she is now working with the City of St. Petersburg to achieve greenhouse gas emissions reductions through projects related to energy efficiency, renewable energy, energy finance, and transportation.



Commissioner Janet C. Long (janetclong@pinellascounty.org) has served on Seminole City Council for two terms in the Florida House of Representatives for two terms and was elected Countywide to a seat on the Pinellas County Commission in 2012 and again in 2016. She currently serves as the Chair of the Tampa Bay Regional Planning Council whose primary initiative this year was to develop a Regional Resiliency Plan and agreement among the Tampa Bay region's counties and city governments. This Tampa Bay Regional Resiliency Coalition was signed by 25 member governments on October 8th, 2018, with a mission to reduce the risk of sea

level rise and climate change to ensure a strong and vibrant economy for generations to come and to move forward with the goal of an annual summit. Janet has been married to her husband, Richard, a retired officer with the Seminole Fire Department, for 40 years and has three children and five grandchildren.



Dr. Nicolette Louissaint (tjalloh@jpa.com) serves as the Executive Director of Healthcare Ready, where she leads organizational initiatives to meet the most pressing patient needs before, during and after natural disasters, disease outbreaks and catastrophic events. She coordinates with health and emergency management across the public and private sectors to ensure communities are prepared and able to bounce back following disasters. Prior to joining Healthcare Ready, Nicolette was the Senior Advisor to the State Department's Special Coordinator for Ebola during the height of the Ebola Epidemic of 2014. In this role, she helped coordinate international response efforts.

Nicolette holds Bachelors of Science degrees in Chemical Engineering and Biological Sciences from Carnegie Mellon University, and a Ph.D. in Pharmacology and Molecular Sciences from Johns Hopkins University School of Medicine. She completed post-doctoral fellowships at the Johns Hopkins University and the American Association for the Advancement of Science.



Dr. Michael Mendez (mamende6@uci.edu) is an assistant professor of environmental policy and planning at UC Irvine. He previously was the inaugural James and Mary Pinchot Faculty Fellow in Sustainability Studies at the Yale School of Forestry and Environmental Studies. Michael has more than a decade of senior-level experience in the public and private sectors, where he consulted and actively engaged in the policymaking process. This included working for the California State Legislature as a senior consultant, lobbyist, gubernatorial appointee, and as vice chair of the Sacramento City Planning Commission. During his time at Yale and UC Irvine, he has contributed to state and national research policy initiatives,

including serving as an advisor to a California Air Resources Board member, and as a participant of the U.S. Global Change Research Program's workgroup on "Climate Vulnerability and Social Science Perspectives." Most recently, Michael was appointed by the National Academies of Sciences, Engineering, and Medicine to the Board on Environmental Change and Society (BECS). He also serves as a panel reviewer for the National Academies of Sciences' Transit Cooperative Research Program (TCRP). Michael holds three degrees in environmental planning and policy, including a PhD from UC Berkeley's Department of City and Regional Planning, and a graduate degree from MIT. His research on the intersection of climate change and communities of color has been featured in national publications. His forthcoming book "Climate Change from the Streets," will be published by Yale University Press (Fall 2019).



Robert Meyer (meyerr@wharton.upenn.edu) is the Frederick H. Ecker/MetLife Insurance Professor and Co-Director of Wharton's Risk Management and Decision Processes Center. He is a noted scholar whose research focuses on consumer decision analysis, sales response modeling, and decision making under uncertainty.

Professor Meyer's work has appeared in a wide variety of professional journals and books, including the Journal of Consumer Research, the Journal of Marketing Research, the Journal of Risk and Uncertainty, Marketing Science, Management Science, and Risk Analysis. He is currently Senior Editor for journals of the American Marketing

Association. He also served as an associate editor for the Journal of Consumer Research, the Journal of Marketing, and Marketing Science. Professor Meyer's recent research has focused on a range of topics in decision making and communication in the domains of natural hazards preparedness including how sensationalist news stories develop and spread on social media platforms, and how warnings messages are perceived by residents faced with natural disaster threats. For example, Professor Meyer and his colleagues have been able to show that failures of preparation that often precede catastrophes such as Hurricane Katrina, Sandy, and

the 2008/09 housing and equities collapse are consistent with a number of hard-wired biases in how people respond to risk. This includes a tendency for people to fail to learn as much as they should from near-misses, and under-invest in instruments whose value can only be realized in the long run. These ideas form the basis of his recent book, co-authored with Howard Kunreuther, *the Ostrich Paradox: Why we under-prepare for Disasters*. Professor Meyer joined the marketing faculty in 1990 after spending eight years on the faculty of the Anderson Graduate School of Management at UCLA, and two years at the Graduate School of Industrial Administration at Carnegie-Mellon University. He also held appointments as visiting professor in the school of Business Administration at the University of Miami, the University of Sydney, and the University of Tokyo. He received his Ph. D. in Geography from the University of Iowa in 1979.



Heather O'Leary PhD. (oleary@mail.usf.edu) is a specialist in human-environment interactions and is an Assistant Professor of University of South Florida – St. Petersburg's Departments of Anthropology and Interdisciplinary Social Sciences. Her engaged ethnographic fieldwork in Delhi (India) was funded by the Fulbright Foundation, the US Department of Education, and the Wenner-Gren Foundation, among others. She has served on the OECD/Global Water Partnership task force for global water security and her work has been consulted by policy makers at multiple scales. Dr. O'Leary has made major contributions to collaborative knowledge networks, such as: SSRC funded International Waters, two funded Mellon Foundation Sawyer Seminars, and the IQ2. Her articles on intersectional water politics have won the Burdge and Field Award for great promise to be influential over time and the Case Studies in the Environment prize.



Anne Pollack (apollack@fletcherfischer.com) is a partner at Fletcher & Fischer, P.L. where she practices land use and real estate law and represents private and governmental clients in connection with the sale, acquisition and development of commercial and residential real estate projects of all types and sizes across the state of Florida. Anne has recently expanded her practice to better serve the total needs of her Florida clients: consulting on regulatory compliance and other matters of sustainability, resiliency, and corporate social responsibility. Outside of her legal practice, Anne is a fixture in multiple industry and community organizations. She is an active member of The Florida Bar. She also serves on the board of CREW Tampa Bay, and acted as President in 2017. She is the 2019 Chair of the Sustainability Committee of the St. Petersburg Chamber of Commerce and is a Board Member of Tampa Bay Real Estate Investment Council (REIC). Additionally, she is a Board Member of non-profit Creative Clay.



C.J. Reynolds, (cjreynolds@tbrpc.org) is the Director of Resiliency and Engagement, Tampa Bay Regional Planning Council. CJ has extensive experience working with scientists, leading companies, associations, and state and federal agencies to address emerging risks through innovative education and public-private partnerships. CJ is the Director of Resilience and Engagement at the Tampa Bay Regional Planning Council and is the staff lead for the new Resiliency Coalition which currently includes 28 local governments. From 2011 to 2018, CJ was a research associate at the University of South Florida College of Marine Science where she developed and coordinated stakeholder engagement

research with local governments and assessed information and training needs related to climate adaptation and municipal sustainability initiatives. CJ is a native of Chicago and previously worked for a global technical consulting firm, national association and marketing agency where she developed industry and citizen education and outreach programs to reduce food borne illness risks. CJ earned her BS Journalism, Northern Illinois University.



Cara Woods Serra, AICP, CFM (cara@tbrpc.org) is a Comprehensive Resiliency Planner with the Tampa Bay Regional Planning Council. Her current role at the TBRPC involves disaster preparedness, hazard mitigation planning, and resiliency policy. She has a land use planning background and previously worked on special area plans, long range plans, development review and floodplain management at the local government level. Cara coordinates quarterly meetings of hazard mitigation professionals throughout the Tampa Bay region in an effort to facilitate knowledge sharing and regional consistency. Cara has a B.A. in Interdisciplinary Social Sciences from the University of South Florida and a Master of City and Regional Planning from the Georgia Institute of Technology.



Benjamin Smet (bas1@mail.usf.edu) served in the U. S. Navy from 2001 until 2009. After his time in the military Benjamin discovered his calling working with youth in predominantly low-income areas teaching at local public schools. He has helped to set up dozens of after school enrichment programs including Hispanic outreach centers, STEM clubs and soccer camps and has presented numerous times on the topic. Benjamin earned his Master of Education in Educational Leadership in 2014 with a focus on social justice and policy formation. He is currently pursuing a

Doctor of Education with a concentration in innovations in program development from the University of South Florida focusing on the development of holistic military to veteran wrap-around transition services.



Joseph M. Smoak Ph.D (smoak@mail.usf.edu) is a professor of biogeochemistry at the University of South Florida in St. Petersburg. He has over 80 publications in peer-reviewed journals and book chapters, and has received research funding from numerous regional, state and federal agencies including the National Science Foundation. Dr. Smoak has conducted research at sites ranging from Florida to locations around the world including Antarctica, Australia, Brazil, China, Iran, Mexico and Venezuela. He has examined lakes, freshwater wetlands, coastal ecosystems, continental margins and deep-sea sediments. Dr. Smoak's current research focuses is on how coastal wetlands respond to climate change and sea-level rise. Specifically, his work examines carbon burial (i.e., sequestration) in coastal wetlands, and how that burial might change and influence the global climate.

<http://www.usfsp.edu/espg/smoak/>. He serves as the Director of Research, Climate Science for iCAR.



Jamie M. Sommer Ph.D.

(jamie.marie.sommer@gmail.com) (Ph.D., 2018, State University of New York at Stony Brook) is an Assistant Professor in the Department of Sociology at the University of South Florida. Her research, which had been published in journals including *Sociological Inquiry*, *Environmental Sociology*, *International Sociology*, *Rural Sociology*, *Journal of World-Systems Research*, *Sociology of Development*, and the *Journal of Development Studies* among others, uses mixed-methods to examine how institutional factors impact global inequality in environment and development outcomes. Currently, Jamie is interested in what rights states afford citizens in terms of their rights to natural resources and access to environmental information, participation, and decision-

making. In doing so, she asks why, where, and what are the consequences of environmental citizenship. She is particularly excited about her work with the United Nations Framework Convention on Climate Change (UNFCCC) Gender Division in evaluating climate change mitigation and adaptation projects at the local level in developing countries.



Barbara Stalbird (Barbara.Stalbird@stpete.org) is the Natural & Cultural Areas Manager for the City of St. Petersburg and is responsible for the oversight of nature preserves, wilderness areas, culturally significant sites, horticulture operations, forestry, and equipment coordination. She is a certified arborist and is certified in natural areas management as well as archaeological monitoring. She has a B.S. in Environmental Science and a Graduate Certificate in Environmental Management and Policy. Barbara has over 20 years of experience in environmental education and is past President of the League of Environmental Educators in Florida (LEEF).



Kathrin Winkler (kw@cwpartners.net) is an Editor at Large for GreenBiz, writing to share her perspectives from beyond the corporate walls, and co-founder of a group of veteran sustainability professionals providing mentoring and guidance to upcoming leaders and NGOs. She serves on the boards of the American Council for an Energy Efficient Economy (ACEEE), a non-profit advancing energy efficiency policies, programs, technologies, investments, and behaviors; Net Impact, inspiring and equipping emerging leaders to build a more just and sustainable world; and the Green Electronics Council (GEC), working with purchasers to stimulate the market for sustainable IT products and services. Formerly Chief Sustainability Officer at EMC Corporation (now Dell EMC, a division of Dell

Technologies), Kathrin is devoting her efforts to guiding the next generation of sustainability leaders and engaging companies more deeply in driving toward a sustainable economy. While at EMC, she served on the boards of The Green Grid, and the Electronic Industry Citizenship Coalition (now Responsible Business Alliance). Previously, Kathrin held a number of business executive and technology roles at EMC and at other technology firms including Digital Equipment Corporation. Kathrin, who attended Brown University, now resides in Seattle with her husband Angus and is learning (slowly, and to the dismay of her neighbors) to play the flute.



David Zeller, Ph.D. (davidzeller@usf.edu) is a Visiting Instructor in the Department of Sociology at the University of South Florida, Tampa. He received his Ph.D. from the University of South Florida in 2017. Dr. Zeller's interests include social movements, environmental sociology, social theory, urban sociology, and both qualitative and quantitative research methods. His current work examines contentious framings of controversial environmental technologies within the environmental movement. Specifically, his research focuses on how environmental movement organizations make sense of geoengineering proposals, and how interactions between these groups influence climate change discourse.