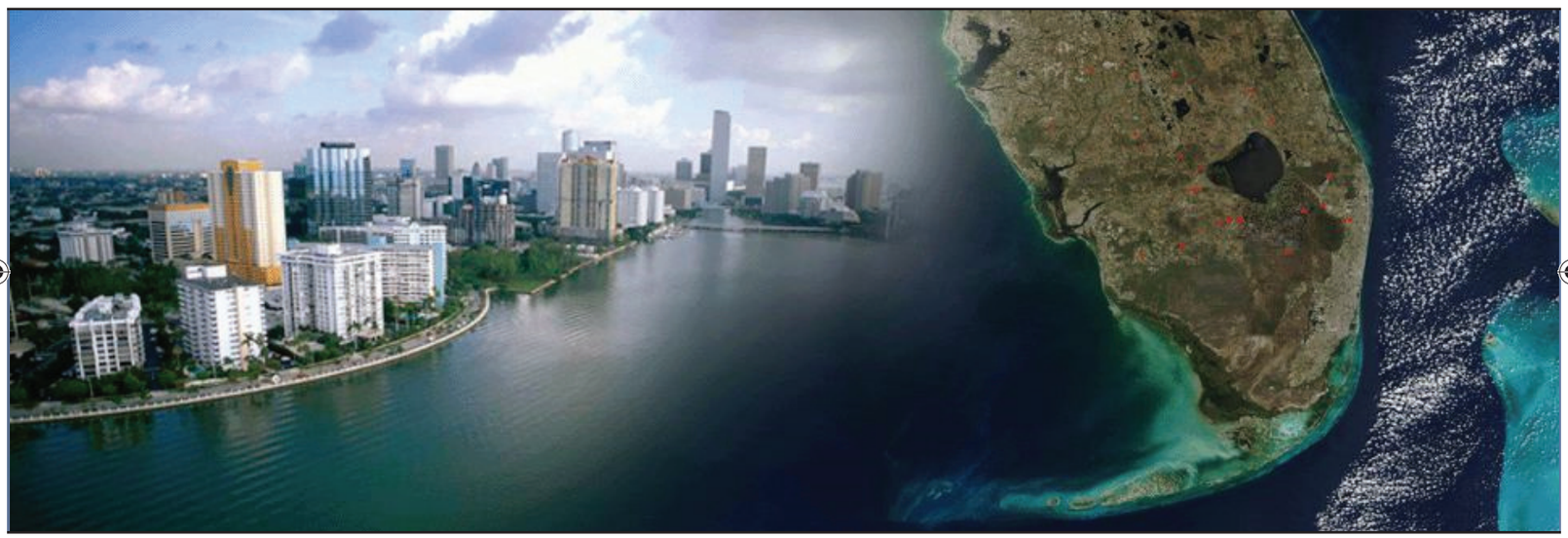
SEA LEVEL RISE SUMMIT

RESILIENCE IN THE FACE OF CHANGE

CONFERENCE PROGRAM



OCTOBER 16 - 18, 2013 FORT LAUDERDALE, FLORIDA

FAU
FLORIDA ATLANTIC UNIVERSITY

WELCOME!

On behalf of Florida Atlantic University, I welcome you to our 2nd Annual Sea Level Rise Summit: Resilience in the Face of Change.

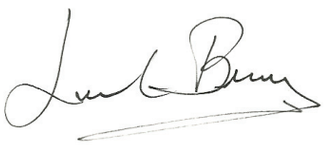
Last year, I testified to the U.S. Senate Committee on Energy and Natural Resources on Florida's vulnerability to sea level rise. However, at that time sea level rise was not really in the minds of the general public until the impacts of Superstorm Sandy changed everything! It is hard to believe that in just a year, the impacts of sea level rise have made headlines in the Rolling Stone, USA Today, National Geographic and many newspapers. Now, the facts and figures of sea level rise are a hot topic, not just in scientific journals and reports, but the evening news is covering sea level rise issues on a local and national scale.

The introduction of President Obama's Climate Change Action Plan punctuated a growing desire to put research into action. With the new release of the Intergovernmental Panel on Climate Change's Fifth Assessment Report, it is important to consider the sea level rise implications for vulnerable South Florida. Newly emerging science on glacier and ice sheet melt, combined with the lessons learned from Sandy, have brought a stronger sense of urgency to the climate change issue. The latest IPCC report states that global sea level has risen 19 cm (7.5 inches) between 1901 and 2012, and that the rate has accelerated to a rate of 3.2 cm/decade in the last twenty years, matching tide gauge and satellite observations. South Florida remains one of the world's most vulnerable regions to sea level rise and climate change. We have so many questions that still need to be answered. What should we do to manage an uncertain future? How can we reduce impacts, maximize opportunities, and become more sustainable in a changing and uncertain world?

This Summit is designed to bring together a broad community to help answer these driving questions. The Summit will provide an update of cutting edge research with sessions that emphasize the economic, health, and urban design issues important to South Florida. The final session will illustrate local, national, and international scenarios that lay the groundwork for ongoing research, analysis and actions for our region.

I'd like to thank you for bringing your valuable expertise to our Summit. Together, we have the experience and resources necessary to prepare for a vibrant and sustainable future for South Florida.

Welcome to Fort Lauderdale, and I hope that you enjoy the Sea Level Rise Summit!



Leonard Berry, Ph.D.
Director, Florida Center for Environmental Studies at FAU
Co-coordinator FAU Climate Change Initiative

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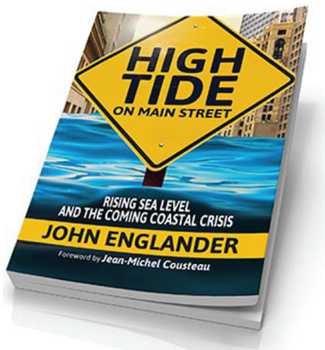

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STEERING COMMITTEE

- Anthony Abbate, Associate Provost, CEO for the Broward Campuses, Professor, School of Architecture, Florida Atlantic University
- Steve Adams, Senior Advisor - Adaptation, Institute for Sustainable Communities
- Ricardo Alvarez, Vulnerability Assessment & Mitigation
- Nick Aumen, Coordinator - Greater Everglades Priority Ecosystems Science Program, USGS
- Len Berry, Director, Florida Center for Environmental Studies, Director, FAU Climate Change Initiative, Florida Atlantic University
- G. Ronnie Best, Coordinator, Greater Everglades Priority Ecosystems Science, U. S. Geological Survey
- Fred Bloetscher, Associate Professor, Department of Civil, Environmental and Geomatics Engineering, Florida Atlantic University
- Camille Coley, Assistant Vice President for Research, Florida Atlantic University
- Isabel Cosio Carballo, Director of Public Affairs, Southeast Florida Regional Partnership Coordinator, South Florida Regional Planning Council
- Carolyn Cox, Coordinator, Florida Climate Institute, Department of Agricultural and Biological Engineering, University of Florida
- Christina DeConcini, Director of Legislative Affairs, World Resources Institute
- Julie Dennis, Florida Department of Economic Opportunity, Division of Community Development
- Chrissy Elles, Outreach Specialist, Climate & Energy Program, Union of Concerned Scientists
- Jane Gilbert, Community Affairs Officer - South Florida, Wells Fargo SRG
- Scott Hagen, Professor, Civil, Environmental & Construction Engineering, University of Central Florida
- Julia Higgs, Associate Professor, School of Accounting, Florida Atlantic University
- Ken Hirsch, Architect
- Jennifer Jurado, Director, Natural Resources Planning and Management Division, Broward County
- Debora Kerr, Chief Operating Officer, Florida Public Health Institute
- Ben Kirtman, Professor and Associate Dean for Research, Rosenstiel School for Marine and Atmospheric Science, University of Miami
- Caroline Lewis, Founder and Director, The CLEO Institute
- Ken Lindeman, Professor, Department of Education and Interdisciplinary Studies, College of Science, Florida Institute of Technology
- Francis Lyn, Associate Professor, School of Architecture & Director, Broward Community Design Collaborative, Florida Atlantic University
- Mantha Mehallis, Management-International Business Entrepreneurship, Florida Atlantic University
- Jayantha Obeysekera, Department Director, Hydrologic & Environmental Systems Modeling, South Florida Water Management District
- Rafe Pomerance, Climate Strategies Consultant
- Dan Rizza, Manager and Research Associate for the Program on Sea Level Rise, Climate Central
- Thomas Ruppert, Coastal Planning Specialist, Florida Sea Grant College Program
- Ben Strauss, Chief Operating Officer and Director of the Program on Sea Level Rise, Climate Central
- Kalanithy Vairavamoorthy, Professor, Civil and Environmental Engineering Department, Director, School of Global Sustainability, University of South Florida
- Steve Weinstein, Senior Vice President, Chief Compliance Officer, General Counsel and Secretary, RenaissanceRe Holdings Ltd.

POSTERS

THE STATE OF THE SCIENCE: SEA LEVEL RISE & STORM SURGE

- Sea-Level Rise Vulnerability Mapping using LiDAR DEMs – Hannah M. Cooper, Charles H. Fletcher, Qi Chen, Matthew M. Barbee
- Strong Sensitivity of Polar Ice Sheets to Increased Temperatures – Andrea Dutton, Jody Webster, Dan Zwartz, Kurt Lambeck
- Sea Level Rise 101 - Mary Beth Hartman, Leonard Berry
- Internet-based Modeling, Mapping, and Analysis for the Greater Everglades (IMMAGE): Web-based Tools to Assess the Impact of Sea Level Rise in South Florida – Paul Hearn, David Strong, Eric Swain, Jeremy Decker
- Data-based Sea Level Rise Predictions for the Decades Ahead – Barry N. Heimlich, David Enfield
- Too Close to Home: the Rough Relationship between Sea Turtle Nests and the Ocean Waves – Donna Selch, Callie Sharkey
- Planning for Sea Level Rise and Hurricane Storm Surge Vulnerability in a Coastal Community – Jennifer Shafer, David Shafer
- The Coastal Dynamics of Sea Level Rise: A Case Study in the Northern Gulf of Mexico – Sonia H. Stephens, Scott C. Hagen, Ecological Effects of Sea Level Rise in the Northern Gulf of Mexico Research Team
- The Impact of Sea Level Rise of Storm Surge in South Florida – Michelle Wilson, Brian Soden

ECONOMIC IMPLICATIONS OF SEA LEVEL RISE

- An Ecosystem Services Valuation of a Restored Kissimmee-Okeechobee-Everglades Watershed in the Face of Sea Level Rise – Mary Crider, Kyle Dollman, Danielle Koushel, James K. O'Connell, Max Wallace
- Assessing Coastal Resiliency in Pinellas County, Fl – Libby Carnahan
- Everglades Restoration as a Mitigation Tool for Sea Level Rise – Casey Hickcox, Sarah Denison, Jessica James, Tomena Scholze, Kelsie Timpe
- The Economic Dilemma of Sea Level Rise: Who is Financially Responsible? – Matthew Long, Teresa Thornton

CLIMATE CHANGE EDUCATION

- Sustainable Cities, Future Leaders – Valerie J. Amor
- Southeast Florida Sea Level Awareness Project Pole – Leah Booher
- The Climate Change Narrative Game Education (CHANGE) Project – Allan Feldman, Glenn Smith, Ping Wang
- Climate Science Investigations (CSI): Using Evidence-Based Argumentation to Address Skeptics' Claims – Julie Lambert, Brian Soden, Robert Bleicher, Alana Edwards, Anne Henderson
- Preservation of Upland Habitat: Key to Florida Species' Survival – Jaclyn Lopez
- Raising Minds about Rising Seas – David Shafer, Jennifer Shafer

IMPACTS ON HUMAN HEALTH

- How Can We Prepare for the Health Implications of Sea Level Rise in South Florida? – Keren Bolter, Nicole Hernandez Hammer
- Florida as a Laboratory for Sea-Level Rise and Future Health Risks of Drinking Water Sources – Treavor H. Boyer, Louis Motz, Paul Chadik, Jon Martin, Kathryn Frank

THE BUILT ENVIRONMENT: PHILOSOPHIES AND TECHNOLOGIES OF ADAPTATION

- Actual Versus Perceived Risk to Sea Level Rise: A Case Study in Broward County, FL – Keren Bolter
- Hillsborough County Transportation Vulnerability Assessment and Adaptation Pilot – Allison Yeh, Josh DeFlorio, Keren Bolter
- Application of SE FL Compact's Unified Sea Level Rise Projection and Vulnerability Assessments – Nancy Gassman
- Evaluation of Infrastructure for Climate Change Adaptation in Coastal Communities – Charles Anthony Nettleman, III
- The Dutch approach: Water Governance, Collaborate on Solutions for Water Issues – Pim Nijssen
- Megaregion Network Simulation for Evacuation Analysis – Katherine Spansel, Zhao Zhang, Brian Wolshon
- Evaluation of Infrastructure for Climate Change Adaptation in Coastal Communities – Carlos E. Tamayo

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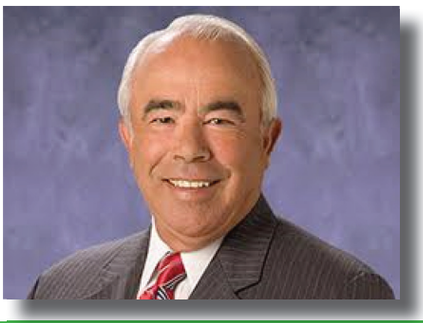
WEDNESDAY, OCTOBER 16

Master of Ceremonies

- Jim Sackett

Former Senior News Anchor for top rated WPTV, NBC affiliate – West Palm Beach, Florida



9 a.m.	**Welcoming Remarks** • Dennis Crudele, Interim President, Florida Atlantic University • John P. "Jack" Seiler, Mayor, City of Fort Lauderdale **Summit Overview:** Leonard Berry, *Director, Florida Center for Environmental Studies, FAU*
9:15 a.m.	**Keynote Speaker** • Elizabeth Plater-Zyberk, DPZ, Architects and Town Planners
9:45 a.m. - 12:30 p.m.	**Session One - Sea Level Rise & Storm Surge: A Damaging Combination** This session has three goals: (1) To take stock of the state of our scientific knowledge relative to sea level rise, specifically the current and projected future rates of rise; (2) To focus on storm surge, its exacerbation by sea level rise, current and expected impacts and potential for damage on natural and built environments; (3) To recognize that collaboration between scientists and design professionals, such as architects and engineers, is vital for the adaptation and resilience of vulnerable communities confronted with the dual threat of sea level rise and storm surge. **Moderator:** Ricardo Alvarez, *Vulnerability Assessment & Mitigation, mitigat.com*
9:45 a.m. - 10:30 a.m.	**Part 1: Sea Level Rise & Storm Surge, the Florida Model** • Jayantha Obeysekera, Hydrologic & Environmental Systems Modeling, South Florida Water Management District • Scott Hagen, Professor, Civil, Environmental & Construction Engineering, University of Central Florida
10:30 a.m.	**BREAK**
10:45 a.m. - 12:30 p.m.	**Part 2: Communication & Collaboration** • Samantha Danchuk, Coastal Planning & Engineering, Inc. • Hugh Gladwin, Associate Professor, Department of Global and Sociocultural Studies, Florida International University • Caroline Lewis, Founder and Director, The CLEO Institute • Tommy Strowd, Assistant Executive Director, South Florida Water Management District • Thomas Ruppert, Coastal Planning Specialist, Florida Sea Grant College Program
12:30 p.m.– 1:30 p.m.	**Lunch** **Poster Networking Opportunities**

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1:30 p. m. – 3:45 p.m.

Session Two - Adversity, Opportunity & Resilience: Economic Implications of Sea Level Rise

This session will focus on three primary areas where sea level rise is likely to have an impact on the economy: (1) industries facing adverse consequences with a focus on the power, insurance and real estate industries; (2) opportunities that businesses will face related to sea level rise; and (3) economic issues that government, business and society will face, including rising mitigation and adaptation costs, property tax base at risk, and economic sustainability in the face of environmental uncertainty.

Moderators: Julia Higgs, *Associate Professor, School of Accounting, Florida Atlantic University (FAU)* & Mantha Mehallis*, Management-International Business Entrepreneurship, FAU*

- Julie Dennis, Division of Community Development, Florida Department of Economic Opportunity
- Keith McCue, Vice President, Underwriting and Assistant General Counsel, Renaissance Reinsurance
- Jonathan "J.T." Lockman, Vice President of Environmental Planning, Catalysis Adaptation Partners
- Jeff Williams, Director, Climate Consulting, Entergy
- Mitchell A. Chester, Esq., Law Office of Mitchell A. Chester, P.A.
- Sam Poole, Partner, Berger Singerman

3:45 p.m.

BREAK

4:00 p. m. – 5:30 p.m.

Session Three - Integrating the Health Impacts of Sea Level Rise into Resiliency & Adaptation Planning

The goal of this session is identify on-going efforts and gaps in understanding the health impacts of sea level rise into resiliency and adaptation planning. The Centers for Disease Control and Prevention and National Institute of Environmental Health Sciences report that the environmental consequences of climate change will directly and indirectly affect the physical, social, and psychological health of humans. These public health issues will especially affect children, the elderly, the poor and those with underlying health conditions with negative impacts on our families, communities and economy. Mitigation and adaptation planning efforts must aggressively focus on the steps that can be taken to increase community resilience to the adverse public health impacts of climate change. These steps will broadly benefit not only health, but the region's environment, economy, and society as well. This panel will provide perspectives from local, state, and federal partners and illuminate the need for a greater focus on health impacts in the climate change and sea level rise discourse.

Moderator: Debora Kerr, *Chief Operating Officer, Florida Public Health Institute* & Isabel Cosio Carballo*, Southeast Florida Regional Partnership Coordinator, South Florida Regional Planning Council*

- Nancy J. Gassman, Natural Resources Administrator, Energy & Sustainability Program, Broward County, Florida
- Maribeth Gidley, Atlantic Oceanographic & Meteorological Laboratory, NOAA
- Kristina Kintziger, Environmental Consultant, Division of Disease Control and Health Protection, Florida Department of Health
- Anamarie Garces, Executive Director Urban Health Partnerships
- Keren Bolter, Research Assistant, Center for Environmental Studies at Florida Atlantic University

6:30 p.m. – 8:30 p.m.

Tropical Riverview Reception

Reception will be held on the 8th floor Skyline Terrace of the Riverside Hotel overlooking the New River and Downtown Fort Lauderdale. We have arranged for Trolley service roundtrip from the Conference Center. More details are on page 25 of this program including parking options for those driving directly to the Riverside Hotel.

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THURSDAY, OCTOBER 17

9:00 a.m. – 9:10 a.m.	**Day One Recap** **Summit Overview:** Leonard Berry, *Director, Florida Center for Environmental Studies, Florida Atlantic University*
9:10 a.m. – 9:30 a.m.	**Welcoming Speaker** • Ben Kalina, *Director & Producer of* ***Shored Up***
9:30 a.m. – 12:30 a.m.	**Session Four - Impacts on Built Environments: Envisioning a New Paradigm** The goals of this session are to: 1) discuss new approaches to design thinking; 2) identify the critical factors that should drive design decisions in the immediate, near and long-term future. 3) describe the contingent nature of design activity, discuss the main drivers and performance metrics, provide the designer with critical information needed to adequately address existing problems as well as longer term solutions; 4) develop a program/provocation for the International Sea Level Rise Workshop on Saturday October 19 and; 5) engage participants in a dialogue to establish the key aspects for current and future design activity in the built environment. **Moderator:** Anthony Abbate, *Associate Provost for the Broward Campuses and Professor, School of Architecture, Florida Atlantic University*
9:30 a.m. – 10:30 a.m.	**Part 1** • Paul D. Zwick, Professor and Director of the GeoPlan Center Department of Urban and Regional Planning, University of Florida • Fred Bloetscher, Associate Professor, Department of Civil, Environmental and Geomatics Engineering, Florida Atlantic University • William Tilson, Professor, Director, Preservation Institute: Caribbean, College of Design, Construction and Planning, University of Florida • Brian Wolshon, Director, Gulf Coast Research Center for Evacuation & Transportation Resiliency, Louisiana State University
10:30 a.m.	**BREAK**
10:45 a.m. – 12:30 p.m.	**Part 2** • Michael Lingerfelt, President of Architecture and Design, Lingerfelt International • David Waggonner III, FAIA, Waggonner & Ball Architects • Reed F. Noss, President, Florida Institute for Conservation Science, University of Central Florida • Jim Gall, Professor of Design Practice, Queensland University of Technology
12:30 p.m.– 1:30 p.m.	**Lunch** **Poster Networking Opportunities**
1:30 p.m. – 4:45 p.m.	**Session Five - Adaptation, Innovation & Resilience on a Local, National & International Front** The goal of this session is to identify the key components of a potential adaptation strategy tool kit for Florida and by extension similar coastal areas nationally and globally based on the findings of the earlier sessions which outlined the physical, economic and built environment parameters of the region.

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In the face of these multiple challenges local communities are responding by regionally organizing and developing adaptation and mitigation activities. These initiatives will be complemented by an international panel bringing a diverse array of viewpoints to the table. The output will be a concise set of recommendations for mitigation and adaptation approaches and priorities aiming at truly sustainable adaptation, linking local experience with insights from the U.S., U.K., Netherlands, Mexico, Australia and Sweden.

Moderator: Leonard Berry, *Director, Florida Center for Environmental Studies, Florida Atlantic University*

1:30 p.m. – 3:00 p.m.

Session A: Reports from the Field

- Kristin Jacobs, Mayor, Broward County Florida
- Jim Murley, Executive Director, South Florida Regional Planning Council
- James Beever, Principal Planner, Southwest Florida Regional Planning Council
- Laura Geselbracht, Senior Marine Scientist, The Nature Conservancy, Florida Chapter
- Henri Boulet, Executive Director, LA 1 Coalition
- Joe Bouchard, Former Commanding Officer of Naval Station Norfolk
- Fernando A. Vazquez, Group Leader Water Infrastructure South Florida, Jacobs Engineering
- Tim Osborn, Regional Navigation Manager, NOAA Office of Coast Survey, Gulf Coast
- Curtis Sommerhoff, Director, Office of Emergency Management, Assistant Director, Fire Rescue, Miami-Dade County

3:00 p.m. **BREAK**

3:15 p.m. – 4:45 p.m.

Session B: Global Adaptation Perspectives

- Carlos Constandse, Cancun, Mexico
- Pim Nijssen, Twynstra & Gudde, Netherlands
- Rosemary Kennedy, Director, Centre for Subtropical Design, Queensland University of Technology, Brisbane Australia
- Matthew Wadey, Research Fellow - Ocean & Earth Sciences, Faculty of Natural & Environmental Sciences at University of Southampton

4:45 p.m. – 5:15 p.m.

Culminating Discussion & Wrap Up

Moderator: Scott Hagen, *Professor, Civil, Environmental & Construction Engineering, University of Central Florida*

- Anthony Abbate, Associate Provost for the Broward Campuses and Professor, School of Architecture, Florida Atlantic University
- Ricardo Alvarez, Vulnerability Assessment & Mitigation, mitigat.com
- Leonard Berry, Director, Florida Center for Environmental Studies, Florida Atlantic University
- Isabel Cosio Carballo, Southeast Florida Regional Partnership Coordinator, South Florida Regional Planning Council
- Julia Higgs, Associate Professor, School of Accounting, Florida Atlantic University
- Debora Kerr, Chief Operating Officer, Florida Public Health Institute
- Mantha Mehallis, Management-International Business Entrepreneurship, Florida Atlantic University

6:30 p.m. – 7:30 p.m.

Bridge Keynote:

Official end of FAU SLR Summit and kick off of ACSA & Subtropical Cities 2013 Conference

Featuring David Waggonner III, *FAIA, Waggonner & Ball Architects*

FRIDAY, OCTOBER 18 Sea Level Rise & Storm Surge Adaptation Clinic & Shored Up Film Screening *See page 25 of this program for more information.*

SPEAKERS AND MODERATORS

Anthony Abbate, Associate Provost for the Broward Campuses, FAU, aabbate@fau.edu
Anthony Abbate, AIA, NCARB, joined the FAU faculty in 1996. He served as director of the Broward Community Design Collaborative from 2006 to 2011 and was the U.S. Chair of the 3rd International Subtropical Cities Conference. He received a Master of Architecture from Washington University in St. Louis and a Bachelor of Science degree in Architecture from The Catholic University of America. His research examines historical and contemporary sustainable design and construction practices in the hot-humid climate zones of the tropics and subtropics at two scales: the macro/urban and the micro/detail. In connection with this line of inquiry, and in the context of the built environment of the contemporary city, the deeper unresolved tensions between globalization and regionalism are explored as they relate to sense of place and sustainability. He has published *Subtropical Sustainable*, a monograph of the architectural and urban design work of graduate level students and the Broward County County-wide Community Design Guidebook.

Ricardo Alvarez, Research Associate, Florida Center for Environmental Studies at FAU, Vulnerability Assessment & Mitigation, mitigat.com, ricardoalfonso@mitigat.com
Ricardo Alvarez is internationally recognized as an expert, researcher, educator and consultant in the fields of: Vulnerability Assessment, Hazard Mitigation, Climate Change Adaptation of the Built Environment, Hurricane-Resistant Design, Risk Management, Mitigation Planning, and The Benefit-Cost Analysis of Mitigation Alternatives. A former Deputy Director of the International Hurricane Research Center, he also serves as a member of the Miami-Dade County Local Mitigation Strategy Steering Committee and member of the State of Florida Hazard Mitigation Plan Advisory Committee. For sixteen years he was a professor of Vulnerability Assessment and Hazard Mitigation for the Master in Construction Management program at FIU. He has also taught for the Crisis Management MBA program at FAU. He has been involved in climate change research, education and outreach since 1997. He is currently focusing on adaptation of the built-environment in coastal regions, with an emphasis on the impact of storm surge and hazards exacerbated by climate change. His academic background is in Environmental Design, Architecture, City Planning and Business Administration.

James Beever, Principal Planner, Southwest Florida Regional Planning Council, jbeever@swfrpc.org
James (Jim) William Beever III is expert in natural resources and climate change in southwest Florida. Mr. Beever is a Planner IV for the Southwest Florida Regional Planning Council (SWFRPC). His work in climate change planning includes the Comprehensive Southwest Florida/Charlotte Harbor Climate Change Vulnerability Assessment, City of Punta Gorda Adaptation Plan Adopted November 18, 2009, Model Ordinances/Comprehensive Plan Language Development, Lee County Climate Change Resiliency Strategy, Climate Change Vulnerability Assessment and Adaptation Opportunities for Salt Marsh Types in Southwest Florida, and Estimating and Forecasting Ecosystem Services within Pine Island Sound including Sea Level Rise Effects. Other responsibilities include implementing the environmental planning review for the SWFRPC; the development of a functional assessment method to evaluate the water quality benefits of designed freshwater and brackish water ecosystems used for water quality treatment; coordinating regional wildlife habitat planning, review of developments of regional impact, comprehensive Everglades restoration implementation, Southwest Florida watershed study, wildlife resource inventory, fish and wildlife technical assistance, and 22 committees and partnerships. He has been employed protecting the natural resources of Southwest Florida for 29 years.

Leonard Berry, Ph.D., Director, Florida Center for Environmental Studies at FAU, berry@fau.edu
Dr. Leonard Berry is the Founder and Director of the Florida Center for Environmental Studies, Distinguished Professor of Geosciences at Florida Atlantic University and the Director of the Climate Change Initiative at FAU. He has worked on environmental research and development training programs for USAID, UNDP, UNESCO, GEF, UNEP and the World Bank. He has worked on climate change issues in Florida for the last 12 years and globally for more than 30 years. He is a core member of the Inter-American Water Resources Network, The Southeast Florida Regional Climate Change Compact's sea level rise technical working group, Florida Department of Economic Opportunity Community Resilience Group, Public Water Supply Utilities Climate Impacts Working Group, National Council for Science and the Environment, and the WaterWeb Consortium, an international water information group. He is currently co-authoring the Southeastern portion of the National Climate Assessment focusing on the built environment and transportation and Chair of the planning committee for a major sea level rise summit for June 2012. In April, he testified to the United States Senate full committee on Natural Resources and Energy on the impacts of sea level rise in Florida.

SPEAKERS AND MODERATORS

Fred Bloetscher, Ph.D., Associate Professor Department of Civil, Environmental and Geomatics Engineering FAU, fbloetsc@fau.edu

Dr. Fred Bloetscher's expertise and experience is centered on public infrastructure systems, especially with respect to adaptation issues associated with changes in water quality, changes in stormwater runoff and availability of ground, surface and wastewater opportunities and conjunctive uses. He has researched climate change impacts on groundwater, surface water, water supplies, wastewater impacts and transportation system disruption, including a more specific evaluation of climate change impacts on Florida water supplies, particularly Southeast Florida. His research includes evaluation of utility and regional responses and adaptations to climate change, and extended to reviews of other areas of coastal Florida. As a result, he provides a link between the ongoing observations and predictions of climate change that are a major effort in certain research circles, and research into the social and developmental impacts from long-term climatic events. He is able to merge groundwater, surface water and natural systems modeling results into solutions for adaptive infrastructure management that can be modeled to determine potential benefits.

Keren Bolter, Research Assistant, Center for Environmental Studies at Florida Atlantic University, kbolter@fau.edu

Keren Bolter is dedicated to increasing awareness of the need for adaption to sea level rise (SLR) in South Florida. A fourth year Geosciences Ph.D. candidate at Florida Atlantic University (FAU), Keren is also a research assistant for the FAU Center for Environmental Studies and a consultant for the Southeast Florida Regional Planning Council. Ms. Bolter uses LIDAR digital elevation and water table models in GIS to map SLR inundation risk. Her research to date includes mapping and analysis of the impacts of SLR, addressing physical, socioeconomic, and health implications. She has a bachelor's degree in Environmental Engineering from Tufts University and a master's degree in Environmental Studies from FAU. Ms. Bolter has energy and drive toward her goals, and has presented at numerous workgroups and meetings where stakeholders consider climate change related issues. She also worked for two years as a NSF Fellow in the K-12 program, which was aimed to promote high school student engagement in science education.

Joe Bouchard, Ph.D., Former Commanding Officer of Naval Station Norfolk, joebouchar@aol.com

Dr. Bouchard graduated from the U.S. Naval Academy and earned a Ph.D. from Stanford University. He commanded a destroyer and Naval Station Norfolk, and served in high level planning positions in the Pentagon and on the National Security Council at the White House. During the three years he was Commanding Officer of Naval Station Norfolk the base won multiple awards for environmental protection and restoration. Dr. Bouchard represented the 83rd District in Virginia Beach in the Virginia House of Delegates in 2008-2009, serving on the Agriculture, Chesapeake and Natural Resources Committee. He was named a Legislative Hero by the Virginia League of Conservation Voters. In 2008 he served on the Governor's Commission on Climate Change and chaired its Adaptation Working Group. In 2009-2010, he served on the Virginia Beach Alternative Energy Task Force. Dr. Bouchard is Chairman of the Board of the Green Jobs Alliance, and serves on the Board of the Virginia Conservation Network, the Advisory Committee for the Hampton Roads environmental Council, and the steering committee for the Virginia Beach Sustainability Plan.

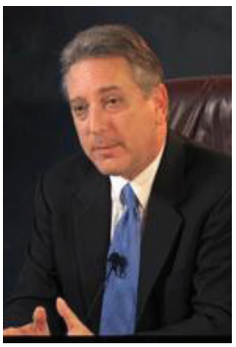
Henri Boulet, Executive Director, LA 1 Coalition, henri.boulet@nicholls.edu

Henri Boulet is Executive Director of the Louisiana Highway 1 (LA 1) Coalition. The LA 1 Coalition organizes efforts within the local, state, and federal governments as well as the business community of Lafourche Parish to secure highway access to America's busiest intermodal energy port, Fourchon, Louisiana. LA 1 supports facilities which provide for 18% of the nation's daily crude oil needs. The LA 1 Coalition partners with the State of Louisiana in project planning, funding strategies, environmental studies and economic analysis. It has spearheaded amassing $373 million in project funding to date to build a needed 19 mile elevated highway which runs south of the last levee-protected communities to Port Fourchon. The elevated structure will replace the storm-vulnerable, at-grade LA 1 highway, which is experiencing a 9mm/yr. relative sea level rise rate. The Coalition utilizes a NOAA authored inundation study on the highway and a USDHS authored Consequence Analysis on the highway to educate policy makers on the criticality of a secured, functioning LA 1 to the nation's energy security.

SPEAKERS AND MODERATORS

Isabel Cosio Carballo, Regional Coordinator Southeast Florida Regional Partnership Director of Public Affairs, South Florida Regional Planning Council, isabelc@sfrpc.com

Isabel Cosio Carballo is the Director of Public Affairs at the South Florida Regional Planning Council, a planning and public policy agency serving Broward, Miami-Dade and Monroe counties. During her time at the Council, Ms. Carballo has had positions of significant responsibility including "Eastward Ho!" Regional Coordinator and Coordinator of Legislative and Public Affairs. In 2010 she spearheaded, in partnership with the Treasure Coast Regional Planning Council and other regional partners, the organization of the Southeast Florida Regional Partnership and its successful application to U.S. HUD's Sustainable Communities Planning Grant Program. Prior to joining the Council in 1996, Ms. Carballo was chief of staff to now Congressman Mario Diaz-Balart from 1988-1993. Ms. Carballo has BA in International Business from the University of Texas at Austin. She is currently a member of Florida International University's Executive Masters of Public Administration inaugural program. She currently serves as Secretary of the Board of Directors of the Good Government Initiative created by former Miami-Dade County Commissioner Katy Sorenson. She is also the Southeast Florida Regional Partnership Coordinator and U.S. HUD's designated liaison for the Sustainable Communities program.

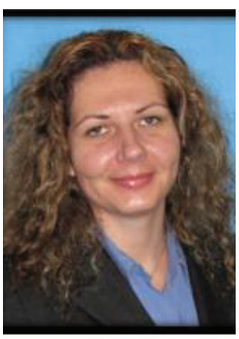


Mitchell Chester, Esq. Law Office of Mitchell A. Chester, P.A, mchester@mitchellchester.com

Mitchell A. Chester is the founding member of the Law Office of Mitchell A. Chester, P.A., from 2001 to the Present. Mr. Chester is "AV" Rated by Martindale Hubbell, the highest ranking an attorney can achieve through peer recognition. He is an officer of the Broward County Chapter of the American Board of Trial Advocates. Admitted to the practice of law in the State of Florida, Mr. Chester works in personal injury, insurance law, commercial litigation, products liability, community projects and contract litigation in Southeastern Florida. His interests include law, sea level rise and its impact on the community, financial literacy, affordable and emergency housing, transportation issues, citizen advocacy, litigation psychology, disaster relief, international affairs, technology, website design, writing and medical/legal issues. He has been active in local community affairs in the Town of Davie, in central Broward County, Florida. Mr. Chester enjoys jury and non-jury trials and solving complex legal issues.

Dennis Crudele, Acting President, Florida Atlantic University, Crudele@fau.edu

Mr. Crudele, a longtime administrator at Florida Atlantic University, became the University's Interim President in August, 2013. He was named to the interim position by the Board of Trustees after serving for three months as Acting President. Prior to assuming that role, Mr. Crudele was FAU's Senior Vice President for Financial Affairs, with oversight responsibility for many departments and functions of the University. Mr. Crudele came to FAU in 1987 as Director of Purchasing after serving as Associate Director of Purchasing at the University of South Florida for one year. Over the course of 26 years at FAU, he has risen steadily through the ranks. In 2010 he was named Senior Vice President for Financial Affairs, overseeing an operating budget of $587 million. Mr. Crudele spent eight years at the Florida Board of Regents, which was the governing body of the State University System until 2003, when it was succeeded by the Board of Governors. Mr. Crudele has a bachelor's degree in political science from Florida State University.



Samantha Danchuk, Ph.D., Coastal Planning & Engineering, Inc., samantha.danchuk@cbi.com

Dr. Samantha Danchuk is a Coastal Engineer with CPE. She received her doctorate in Civil Engineering from Louisiana State University and her Masters of Science degree in Environmental Engineering from the University of California, Berkeley. While with Coastal Planning and Engineering, Inc., Dr. Danchuk has coordinated large scale emergency response efforts with multiple levels of governmental agencies, designed multiple structural alternatives and nourishment projects to stabilize rapidly eroding beaches and developed comprehensive planning documents for coastal management and emergency response.

SPEAKERS AND MODERATORS

Julie Dennis, Division of Community Development, Florida Department of Economic Opportunity, Julie.Dennis@deo.myflorida.com

Julie Dennis has worked in the private, local, state and federal government sectors of planning. She received her master's degree in Urban and Regional Planning from Florida State University. She currently works as a Planning Analyst with the Florida Department of Economic Opportunity, Division of Community Development, focusing on technical assistance through working waterfronts preservation, post-disaster redevelopment planning, sea level rise adaptation and community asset-based economic development. Ms. Dennis is the Coordinator for the Waterfronts Florida Program, Statewide Post-Disaster Redevelopment Planning Initiative, and Community Resiliency: Planning for Adaptation Initiative and the Competitive Florida Initiative. She serves as the State of Florida lead for the Working Waterfronts and Disaster Resilient Communities Teams of the Governors' South Atlantic Alliance and the state co-lead for the Gulf of Mexico Alliance Coastal Community Resiliency Team. Ms. Dennis has written published articles and reports and presented to local, state and national audiences on subjects such as long-term recovery, coastal community planning, and adaptation planning and hazard mitigation.

Jim Gall, Director, Gall Architects, Professor of Design, Creative Industries Faculty, Queensland University of Technology, j.gall@qut.edu.au

Jim Gall is experienced in all areas of architecture and broader scale design and sustainability. He has strong graphic skills, which have been used to illustrate design principles as well as for visualization of large and small design proposals. Gall's first degree is in Environmental Science, hence his multi-disciplinary and ecological view of the world, and knowledge of Cane Toad genetics and plants. He is exploring design's relationship to culture (ideas, communication and learning) andthe wider environment. Mr. Gall has designed several buildings that have won architectural and other awards, including the Queensland Multi Residential Award, the F.D.G Stanley Award for Public Building and the Harry Marks Award for Sustainability. Gall's experience includes urban regeneration projects with design integrated into the development of planning, tourism, business and economic models. His current research includes recovered/recycled cabinet timber networks and adding perceived value through history and stories, environmental change adaptation and economic/social rejuvenation of Charleville, a town in semi-arid southwest Queensland.

Anamarie Garces, Executive Director Urban Health Partnerships, anamarie@urbanhs.com

Ms. Garces is a Managing Partner at Urban Health Solutions, which is a firm dedicated to weaving health considerations into planning, design and engineering practice to create vibrant, active communities. As the Executive Director of Urban Health Solutions' non-profit arm, Urban Health Partnerships, her prime responsibility is to lead ongoing, community-based initiatives to develop sustainable systems and protocols that improve health outcomes and reduce disparities across the life span. The intersection between health and the built environment is the cornerstone of UHP and the focus of Ms. Garces' career. After earning a master's degree in Public Health Ms. Garces has been instrumental in securing $27 million in projects for South Florida. She has had a long-standing interest in climate change, and is currently contracted to conduct a Health Impact Assessment on policy recommendations set forth to mitigate the effects of sea level rise and heat waves in Southeast Florida.

Nancy J. Gassman, Ph.D., Natural Resources Administrator, Energy & Sustainability Program, Broward County, Florida, ngassman@broward.org

Dr. Nancy J. Gassman received her Ph.D. from the University of Miami researching a variety of issues impacting coastal ecosystems. Earlier in her 18 years in public service, she has worked on integrated water resources planning and environmental monitoring. Since January 2009, her main focus has been supporting the development and implementation of Broward's Climate Change Action Plan and managing the Energy and Sustainability Program. She has been a major contributor to developing technical tools for the Southeast Florida Regional Climate Change Compact. Current activities include encouraging sustainable practices and implementing climate adaptation policies. Dr. Gassman also serves on the Technical Advisory Group for the Florida Department of Health's "Building Resilience Against Climate Effects" grant.

SPEAKERS AND MODERATORS

Laura Geselbracht, Senior Marine Scientist, The Nature Conservancy, Florida Chapter, lgeselbracht@TNC.ORG

Laura Geselbracht is a Senior Marine Scientist with The Nature Conservancy. She has 25+ years of professional experience in the areas of environmental planning and marine conservation science. She has been with TNC for 19 years and currently focuses on modeling the impacts of sea level rise on Gulf of Mexico estuaries, implementing oyster reef restoration projects and mapping marine mammal and sea turtle distributions along the U.S. South Atlantic. Ms. Geselbracht holds a master's degree in Marine Affairs from the University of Washington and a bachelor's degree in Aquatic Biology from the University of California, Santa Barbara. Recent publications include: "Retrospective analysis and sea level rise modeling of coastal habitat change in Charlotte Harbor to identify restoration and adaptation priorities" in *Florida Scientist* and "Retrospective and prospective model simulations of sea level rise impacts on Gulf of Mexico coastal marshes and forests in Waccasassa Bay, Florida" in *Climatic Change*.

Maribeth Gidley, D.O., Atlantic Oceanographic & Meteorological Laboratory, NOAA, Maribeth.Gidley@noaa.gov

Dr. Maribeth Gidley is an assistant scientist with the University of Miami's Cooperative Institute for Marine and Atmospheric Studies assigned to the NOAA Atlantic Oceanographic and Meteorological Laboratory. An environmental public health physician and microbiologist, she works closely with the AOML Environmental Microbiology Program. Her research focuses on the influences of beach and water quality with public health. Some of her projects include: interactions of harmful algal blooms (HABs) with coastal communities, beach exposure epidemiologic studies, and prevalence of pathogenic Staphylococcus aureus (including Methicillin-Resistant Staphylococcus aureus) in the coastal environment, particularly at recreational beaches. Her research also involves studying the impacts of climate change on topics within Oceans and Human Health. She received her bachelor's degree in Biology from the University of Tulsa, a master's (dual tract) in Microbiology and Education from the University of South Florida, Master of Public Health Tropical and Infectious Disease Tract from the University of South Florida. She received a Doctorate of Osteopathic Medicine from Nova Southeastern University, and has completed residencies in Family Medicine and Public Health/Preventive Medicine.

Hugh Gladwin, Ph.D., Associate Professor, Department of Global and Sociocultural Studies, Florida International University, hugh.gladwin@fiu.edu

Dr. Gladwin is an anthropologist and Associate Professor in the department of Global and Sociocultural Studies (GSS) at FIU. He received his Ph.D. from Stanford and came to FIU in 1981. He was concurrently with the Institute for Public Opinion Research from 1983 to 2011, which he directed beginning in 1988. His major area of research is the application of cognitive decision making, urban theory, survey research, and GIS tools to understand large urban settings of high cultural and demographic diversity. Within that framework, a particular interest is to better model the interactions between the human population and natural systems such as the South Florida ecosystem and, since Hurricane Andrew in 1982, extreme natural events like hurricanes and climate change. He has authored many publications and presentations on disaster mitigation, public health and public opinion. In disaster research he has been PI or Co-PI on nine NSF grants. He was an appointed member of the Miami-Dade County Climate Change Advisory Task Force 2006-2011.

Scott Hagen, Ph.D., P.E., D.CE, D.WRE, F.ASCE, Professor, Civil, Environmental & Construction Engineering, University of Central Florida, scott.hagen@ucf.edu

Scott C. Hagen is a Professor at the University of Central Florida and a member of the Board of Governors for the ASCE / Coasts, Oceans, Ports and Rivers Institute. Dr. Hagen established and directs the internationally recognized Coastal Hydroscience Analysis, Modeling & Predictive Simulations Laboratory. The primary focus is on massively parallel, high performance computational modeling of ocean, coastal, and inland shallow water flows. His recent efforts expand into transport and biological modeling, particularly with respect to the coastal dynamics of sea level rise, and are aiding coastal planners around Florida. Dr. Hagen served as Guest Editor on a focus issue on sea level rise implications to coastal engineering for the ASCE Journal of Waterway, Port, Coastal and Ocean Engineering. In 2012 he chaired the 10th International Conference on Hydroscience & Engineering where he received the Outstanding Achievement Award for Advancement of the State-of-the-Art Hydroscience & Engineering.

SPEAKERS AND MODERATORS

Julia Higgs, Ph.D., Associate Professor, School of Accounting, Florida Atlantic University, jhiggs@fau.edu

Dr. Higgs is an Associate Professor of Accounting at Florida Atlantic University, teaching auditing and financial accounting. She has an interest in the emerging topic of Accounting for Sustainability. Specifically, she is interested in how companies report to stakeholders risk exposure from sea level rise and climate change. A related interest is in identifying ways accountants and auditors can help management identify measure, plan and prepare for climate related issues. She recently coauthored a paper on how the internal auditor can help the Board of Directors imbed sustainability into an organization. Dr. Higgs has published numerous academic and practitioner articles in leading journals. She serves on the American Accounting Association (AAA) Committee of Sponsoring Organizations task force which reviews publications such the white paper on Sustainability Risk and the 2013 Internal Control Integrated Framework. The COSO documents are used by business around the globe in evaluating internal controls and enterprise risk management. Dr. Higgs received her Bachelor of Science and Master of Accountancy degrees from the University of Tennessee, and her Ph.D. in Business Administration from the University of South Carolina. Dr. Higgs is also a licensed CPA in South Carolina.

Kristin Jacobs, Mayor, Broward County Commission, District 2, kjacobs@broward.org

Throughout her career, Broward County Mayor Kristin Jacobs has championed issues to improve and protect Broward County's quality of life. As a neighborhood activist, she was elected to the County Commission in 1998 to represent the residents of District 2. Her work has earned her recognition as an expert in sustainable growth, clean water and smart public transit. Recognizing that the welfare of a community is dependent on a healthy environment, Mayor Jacobs began promoting green environmental practices upon taking office. Over the years she has created several task forces focused on sustainability, including the Climate Change Task Force, Water Advisory Board and the Coastal Ocean Task Force, of which she currently chairs. In 2008, she created the Regional Climate Change Compact, a regional four county compact that addresses the future impact of climate change in Florida. In 2011, Kristin was selected to serve as Chair of the White House National Ocean Council's Governance Coordinating Committee, which advises President Obama on local government perspectives on ocean policy. She also is a member of SmartGrowth America's Local Leaders Council and an ICLEI Resilient Communities of America inaugural signatory.

Ben Kalina, Director, Producer, Shored Up, benjaminkalina@gmail.com

Ben Kalina is a film director and producer whose work focuses on the intersection of science, culture and the environment. His feature directing debut is *Shored Up*, a documentary that focuses on coastal development and rising sea levels in the U.S. and culminates in the aftermath of Hurricane Sandy. Mr. Kalina was the Associate Producer of *A Sea Change*, the acclaimed documentary about ocean acidification which was broadcast on Discovery's Planet Green network in 2009, as well as *Two Square Miles*, a documentary chronicling a small town's fight to block a coal-fired cement plant, broadcast on PBS' Independent Lens in 2006. He has won awards for his films *Diorama, Education on the Rosebud Reservation and Radical Notions*, including grand prize awards at film festivals in the United States and Europe. Mr.Kalina has been producing videos for nonprofit and for-profit organizations since 3-chip cameras were the newest thing. He lives with his family in Philadelphia where he runs Mangrove Media. He has an Master of Fine Arts in Film and Media Arts from Temple University.

Rosemary Kennedy, Director, Centre for Subtropical Design, Queensland University of Technology, Brisbane Australia, r.kennedy@qut.edu.au

Rosemary Kennedy is Director of the Centre for Subtropical Design, a collaborative Centre at Queensland University of Technology in Brisbane Australia. Her major research interests include architecture and urban design, planning and public policy for sustainable urbanism and architecture for compact urban settlements in warm climates experiencing population growth and climate change impacts. She is particularly interested in the design of climatically-appropriate higher density housing typologies. Ms. Kennedy has published on subtropical urbanism, including *Subtropical Design in South East Queensland, a Handbook for Planners, Developers and Decision Makers*. She was a Chief Investigator on an Australian Research Council funded project to research the social, environmental and economic impacts of high-density living in subtropical cities. She established the international Subtropical Cities conference series which attracts leading researchers, industry professionals and government representatives from China, USA, Brazil, Chile, South Africa, Costa Rica, Malaysia, Thailand and India, working in a wide range of disciplines concerned with human settlement, ecology and culture. She is Co-Chair of SC2013 at Florida Atlantic University in association with the ACSA Fall Conference.

SPEAKERS AND MODERATORS

Debora Kerr, Chief Operating Officer, Florida Public Health Institute, dkerr_fphi@bellsouth.net

Debora Kerr is the Chief Operating Officer of the Florida Public Health Institute, a 501(c)(3) that conducts action oriented research and promotes leadership and collaborations to build capacity for strong public health policy, programs, systems and practices. Ms. Kerr has coordinated projects focused on climate change, the health effects of sea level rise and is currently the project lead for a Health Impact Assessment (HIA) on the Southeast Florida Regional Climate Change Action Plan. Trained in HIA, she has led the formation of a statewide HIA Consortium and has served on the Florida Department of Health (FDOH) HIA technical advisory committee. Ms. Kerr currently serves on the FDOH technical advisory committee for the Building Resistance against Climate Effects (BRACE) project, is a member of the Society of Practitioners of Health Impact Assessment (SOPHIA) and sits on the board of directors for the Arthur R. Marshall Foundation, an environmental organization dedicated to educational outreach central to the restoration of the greater Everglades ecosystem. Ms. Kerr has led public health projects that include building healthy communities and health stakeholder networks, disseminating statewide county health rankings, and examining public-private partnerships for emergency preparedness.

Kristina Kintziger, Ph.D., Environmental Consultant, Division of Disease Control and Health Protection, Florida Department of Health, kkintziger@gru.edu

Dr. Kintziger received her PhD in Epidemiology from the University of South Carolina in 2008. She completed a post-doctoral fellowship through the Council of State and Territorial Epidemiologists Applied Epidemiology Fellowship Program in 2008 with the Division of Environmental Health at the Florida Department of Health (FDOH). After the fellowship, Dr. Kintziger received an appointment as an Assistant Professor with the Department of Biostatistics and Epidemiology at the Medical College of Georgia, where she served for three years working with several intervention studies targeted low-resource populations in Georgia. She is currently employed as an Environmental Consultant with the FDOH Bureau of Epidemiology on two CDC-funded projects: Environmental Public Health Tracking (EPHT) and Building Resilience Against Climate Effects (BRACE). The overarching goal of the Florida BRACE Program is to increase the resilience of our population to the health effects of climate variability through increased capacity in the public health sector, with a specific focus on sea-level rise, hurricanes and other extreme storms, extreme heat, drought, flooding, and wild fires.

Caroline Lewis, Founder and Director, The CLEO Institute, Caroline@CLEOInstitute.org

Caroline Lewis is an education strategist who builds capacity, promotes innovation, and inspires leadership. She is the founder and executive director of The CLEO Institute, a nonprofit organization that advances civic engagement on environmental issues. Ms. Lewis develops creative, collaborative programs to significantly increase outreach to diverse audiences. She designed and is currently expanding the CLEO Project on Climate to bridge the divide between science and society on this urgent issue. For 22 years Ms. Lewis was a science teacher and school principal. She then joined the staff of Fairchild Botanic Garden, created the Fairchild Challenge, and expanded programs 800%. She has influenced environmental education efforts in institutions nationally and internationally. She serves or has served on many teams, boards and committees, including The National Environmental Education Advisory Council, American Public Garden Association, American Horticultural Society, Miami-Dade Executive Board for Science Curriculum and Instruction, the White House Summits on Climate and Energy and on Women & the Environment, and the Conservation Fund's National Forum on Children and Nature. On April 11, 2013, Ms. Lewis was one of twelve individuals nationally recognized as a White House Climate Resilience Champion of Change.

Michael Lingerfelt, President of Architecture and Design, Lingerfelt International, mlingerfelt@Lingerfelt-Int.com

Michael Lingerfelt, FAIA, is a high-energy executive with more than 33 years of experience in design and project delivery. His résumé documents a results-oriented executive with a proven ability to lead large, complex projects and multi-disciplined design teams as the Director of Project Architecture & Engineering for Walt Disney Imagineering. Mr. Lingerfelt has served on the American Institute of Architects Disaster Assistance Committee, a panelist at both the BuildStrong Coalition Building Codes for a Stronger and Safer America Forum as well as the Build it Better Leadership Forum, was a contributor at FEMA's Emergency Management Institute's Strategic Plan 2009 – 2014 Focus Group, participated in the Haiti Rebuilding Summits and has been a California Emergency Management Agency Safety Assessment Program Trainer since 2008. He has provided safety assessment evaluations for Hurricane Katrina in New Orleans, LA, Northridge, CA Earthquake, Birmingham, AL Tornadoes, as well as fire and flood assessments in California. Mr. Lingerfelt was elevated into the prestigious American Institute of Architects College of Fellows in 2012 for his efforts advocating that architects should serve the public surrounding a disaster.

SPEAKERS AND MODERATORS

Jonathan "J.T."Lockman, Vice President of Environmental Planning, Catalysis Adaptation Partners LLC, jtlockman@catalysisadaptation.com

J.T. Lockman, AICP, is Vice President of Environmental Planning at Catalysis Adaptation Partners. He is an expert in municipal codes, town and city management, and in land use and capital improvements planning, with over 25 years of experience. Mr. Lockman served as the Planning Director for the Towns of Bar Harbor and Wells, Maine, and as Planning Director of the Southern Maine Regional Planning Commission. Recently he was appointed to a panel at the National Academy of Sciences Transportation Research Board, supervising research on extreme weather events and their effects on State Departments of Transportation. He holds a B.S. in Science and Environmental Education from Cornell University, and a master's degree in Regional Planning from the University of North Carolina at Chapel Hill.

Mantha Mehallis, Ph.D., Management-International Business Entrepreneurship, Florida Atlantic University, mehallis@fau.edu

Dr. Mantha Mehallis has served as Director and Professor of the Environmental MBA and the Crisis and Emergency Management MBA programs since developing them, and she serves on the graduate faculty of the College of Business. Dr. Mehallis attended college at Michigan State University from undergraduate through the Ph.D. Recently she had a three year Homeland Security grant focusing on disaster and business continuity with Johns Hopkins University, chaired the Governor's Education Alliance for Sustainable Florida, hosted the World Resources Institute's BELL (Business/Education/Leadership) Conference, and was an invited speaker at Oxford University in the U.K. She was a long time member of the InterAmerican Water Resources Network Executive Committee, with OAS, UNESCO and others. Currently she is President of the WaterWeb Consortium which hosts the annual Water Information Summit, and has organized several symposia at the National Council for Science and Environment's annual conference in Washington, D.C.

Sam Merrill, Ph.D., President and Founder, Catalysis Adaptation Partners, smerrill@catalysisadaptation.com

Dr. Sam Merrill is President and Founder of Catalysis Adaptation Partners, LLC.Dr. Merrill has spent more than twenty years at the interface of local community needs, managed landscapes, and sensitive natural resources. He has received many awards for his work, including a military medal in the year 2000 for distinguished public service (Lt. Col.), and has published more than twenty peer-reviewed articles and sixty-plus agency technical reports. He has been the principal force behind development of the COAST approach and its implementation in numerous sea level rise adaptation planning efforts. Since 2001 Dr. Merrill has also served as Director of the New England Environmental Finance Center and Associate Research Professor at the Muskie School of Public Service, University of Southern Maine. He holds a B.A. in Zoology from the University of Maine, and both a M.S. in Conservation Biology and Ph.D. in Wildlife Conservation from the University of Minnesota.

Jim Murley, Executive Director, South Florida Regional Planning Council, jmurley@sfrpc.com

Jim Murley has spent more than three decades working on public policy issues important to Florida. Mr. Murley served has Secretary of the Department of Community Affairs under Governor Lawton Chiles, working on comprehensive planning, economic development, housing and emergency management issues. He was appointed by Governor Charlie Crist to serve as Chair of the Florida Energy and Climate Commission. Mr. Murley spent more than ten years with Florida Atlantic University, overseeing research on urban and environmental issue. He currently holds the position of Executive Director of the South Florida Regional Planning Council. In that capacity he is helping to lead an effort for the seven counties in Southeast Florida to develop a Regional Prosperity Plan. He is on the Board of Directors for the Greater Fort Lauderdale Alliance and the Steering Committee for Miami-Dade Beacon Council's One Community One Goal project. He also serves on the Broward County Climate Change Task Force and is a contributing author for two chapters in the forthcoming National Climate Assessment, Southeastern United States Region and Coastal Zone Development. Mr. Murley was recently named to the South Florida 100 by the *Sun Sentinel* newspaper to provide weekly input on regional issues impacting Miami-Dade, Broward and Palm Beach Counties. He is a graduate of Leadership Florida and a Fellow in the National Academy for Public Administration.

SPEAKERS AND MODERATORS

Keith McCue, Vice President, Underwriting and Assistant General Counsel at Renaissance Reinsurance Ltd., kam@renre.com

Keith McCue is responsible for legal support to the underwriting units at Renaissance Reinsurance Ltd. in Bermuda. He advises on a wide variety of issues including treating drafting, dispute resolution, legal and regulatory compliance, impact of legal and legislative changes and general corporate matters. Before joining Renaissance Reinsurance, he was a corporate associate at LeBoeuf, Lamb, Greene & MacRae in New York. He began his career at the United States Agency for International Development in Moscow, Russia, where he oversaw a number of programs designed to improve the legal environment in Russia. He is admitted to practice in New York and Massachusetts. He received his J.D., cum laude, from Boston College Law School in 1994 and his B.A. in Economics, cum laude, from Saint Joseph's University in 1991. He received an Associate in Reinsurance designation in 2006. He resides in Bermuda with his wife, Maria, and two sons, Colin and Liam.

Pim Nijssen, Twynstra & Gudde, Netherlands, pns@tg.nl

Pim Nijssen's studied planning and management science at the Radboud University Nijmegen (the Netherlands) and currently works as a senior consultant for the leading independent firm Twynstra Gudde. His field of experience lies in building coalitions between organizations in the field of water management and spatial planning. Mr. Nijssen is convinced that, in the complex and interconnected modern world, a solution to a problem mostly requires more than one party and an integrated approach -not only as this leads to better results, but also as it contributes to a greater support for the chosen solution. Mr. Nijssen has worked on a variety of clients whose projects address the complex impacts of climate change in the Netherlands and Europe. For the so-called 'Room for the River Waal' project at Nijmegen, he has been rewarded in October 2011 with the prestigious International Waterfront Award in New York for the way the project involved the community and collaborated internationally. For the project's communication strategy, he won the Red Dot Public Space Award in Berlin, October 2011.

Reed F. Noss, Ph.D., President, Florida Institute for Conservative Science, University of Central Florida, Reed.Noss@ucf.edu

Reed Noss is the Provost's Distinguished Research Professor at the University of Central Florida and President of the Florida Institute for Conservation Science. He received an M.S. degree in ecology from the University of Tennessee and a Ph.D. in wildlife ecology from the University of Florida. Dr. Noss has served as Editor-in-Chief of Conservation Biology and President of the Society for *Conservation Biology.* He is an Elected Fellow of the American Association for the Advancement of Science. He currently conducts research on vulnerability of species and ecosystems to sea-level rise, climate adaptation strategies, disturbance ecology, road ecology, ecosystem conservation, and changes in ecological processes and species assemblages along urban-rural wildland gradients. He has nearly 300 publications, including seven books, and is rated as one of the 500 most highly cited authors in all fields. His latest book is *Forgotten Grasslands of the South: Natural History and Conservation* (Island Press, 2013). Dr. Noss is currently writing a book on disturbance ecology.

Jayantha Obeysekera, Ph.D., Hydrologic & Environmental Systems Modeling, South Florida Water Management District, jobey@sfwmd.gov

Dr. Jayantha Obeysekera (Obey) is the Chief Modeler at the South Florida Water Management District (SFWMD. He has more than 25 years of experience practicing water resources engineering with emphasis on computer modeling and implications of climate variability in planning and operation of complex water resources systems. He has published nearly 50 research articles in refereed journals and more than 50 others in the field of water resources. He was a co-principal investigator for a U.S. NSF funded project on the investigation of the tsunami impacts on coastal water resources in Sri Lanka. Dr. Obeysekera also served as an external agency member to the U.S. Army Corps of Engineers to review the hydrologic modeling of the New Orleans in the aftermath of hurricane Katrina. He has served on the National Academy's committees on Sustainability of Bay Delta system in California and the Klamath River in Oregon. Presently, he is serving as a member of the National Climate Assessment and Development Advisory Committee (NCADAC). He has been appointed as an Affiliate Research Professor at Florida Atlantic University. He is the technical lead for climate change and sea level rise investigations at SFWMD. Dr. Obeysekera holds a bachelor's degree in Civil Engineering from University of Sri Lanka, M. Eng. from University of Roorkee, India, and a Ph.D. in Civil Engineering from Colorado State University with specialization in water resources.

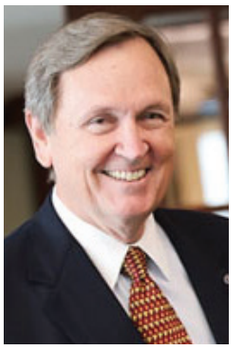
SPEAKERS AND MODERATORS

Tim Osborn, Regional Navigation Manager, NOAA Office of Coast Survey, Gulf Coast, tim.osborn@noaa.gov

Tim Osborn is a member of NOAA's Office of Coast Survey, the nation's oldest science office, founded in 1807. His 23-year career with NOAA includes experience and responsibility in coastal ports and navigation, coastal restoration and management and conservation projects and programs as well as involvement in NOAA's tide and water levels programs, sea level rise studies and geodetic programs and projects. At NOAA, Mr. Osborn has worked in for the Office of Coast Survey, National Marine Fisheries, NOAA headquarters. He actively works in cooperation with local and state organizations and has been heavily involved in hurricane preparedness, response and recovery efforts as well as dealing with environmental incidents as Deepwater Horizon. Mr. Osborn is a native of Tampa, Florida. He holds a B.S. degree in Marine Biology from Florida State University and graduate degrees from Louisiana State University with emphasis on marine sciences, physical oceanography and public administration. He has been a NOAA Sea Grant Fellow working in Washington D.C. in the U.S. Senate, a professional staffer to various U.S. Senate staff positions and has also worked for a large international environmental and industrial equipment and systems corporation. His office is located in Lafayette, Louisiana.

Elizabeth Pater-Zyberk, DPZ, Architects and Town Planners, epz@miami.edu

Ms. Plater-Zyberk is a founder of the Congress for the New Urbanism, which was established in 1993, the same year that *The New York Times* characterized the New Urbanism as "the most important phenomenon to emerge in American architecture in the post-Cold War era." She has co-authored two books: *The New Civic Art* and *Suburban Nation: The Rise of Sprawl and the Decline of the American Dream*. Ms. Plater-Zyberk received her undergraduate degree in architecture and urban planning from Princeton University and her master's degree in architecture from the Yale School of Architecture. With her partner Andres Duany, she has been awarded several honorary doctorates and awards including the Brandeis Award for Architecture, the Thomas Jefferson Memorial Medal of Architecture from the University of Virginia, the Vincent J. Scully Prize for exemplary practice and scholarship in architecture and urban design from the National Building Museum, and the Seaside Prize for contributions to community planning and design from the Seaside Institute.



Sam Poole, Partner, Berger Singerman, SPoole@bergersingerman.com

Sam Poole has extensive experience in planning and zoning in the development and redevelopment of Florida's cities. He has more than 25 years of experience addressing both conventional and new urbanism land development issues in Florida. Working statewide for both private and public sector clients, Mr. Poole has prepared comprehensive plans, plan amendments, and land use codes enabling development of conventional as well as mixed use new urbanism projects from towns to neighborhoods to individual buildings. He has particular skills dealing with environmental constraints impacting the use of land and water. He served as Executive Director of the South Florida Water Management District from 1994 to 1999, where he directed a staff of 1,700 with annual budgets of $500 million to restore the Everglades and protect South Florida's water supply and flood mitigation system.

Thomas Ruppert, Coastal Planning Specialist, Florida Sea Grant College Program, trupper@ufl.edu

A licensed Florida attorney, Mr. Ruppert's work focuses on hazard mitigation, post-disaster recovery planning, environmental protection, marine spatial planning, and associated long-term challenges and opportunities of Florida's coastal communities. He provides assistance to agents and local governments served by Florida Sea Grant. His areas of expertise include beach and coastal policy in Florida, Florida's coastal construction control line permitting, comprehensive planning law, sea turtle habitat protection, the Endangered Species Act, coastal and marine permitting programs, and 5th amendment takings law. Additional environmental issues he has worked on include the Clean Water Act's total maximum daily load program, water quality trading, low-impact development storm water, homeowners' associations, and boating law issues. Mr. Ruppert speaks fluent Spanish and has worked and presented in several Latin American countries. Topics in this realm have included human rights, water, land use planning, property issues, and U.S. environmental law.

SPEAKERS AND MODERATORS

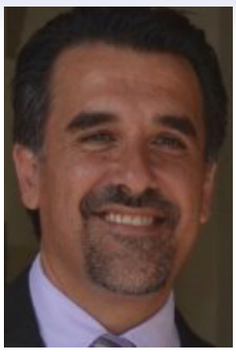
John P. "Jack" Seiler, Mayor, City of Fort Lauderdale
John P. "Jack" Seiler was sworn in for his first term as Mayor of the City of Fort Lauderdale on March 17, 2009. He was reelected for a second three-year term on January 31, 2012. Prior to being elected Mayor, Seiler served eight years in the Florida House of Representatives. During his tenure as a State Representative, he chaired the Broward Legislative Delegation in 2007-2008 and was Vice Chair of the Delegation in 2006-2007. Mayor Seiler received a Bachelor of Business Administration degree from the University of Notre Dame in 1985 and a Juris Doctorate from the University of Miami in 1988. He is a founding partner of the law firm Seiler, Sautter, Zaden, Rimes & Weihe, which specializes in a wide range of business and personal matters, including general business, real estate, construction, probate and civil litigation. Mayor Seiler's roots in the local community run deep. Raised in Fort Lauderdale, he graduated from Saint Anthony Catholic School in 1977 and Cardinal Gibbons High School in 1981. He continues to give back to the community by lending his time, talent and energy to assist an array of civic, nonprofit, social and cultural agencies and organizations.

Curtis Sommerhoff, Director, Office of Emergency Management, Assistant Director, Fire Rescue, Miami-Dade County, CSOMM@miamidade.gov
Miami-Dade Emergency Management Director Curtis Sommerhoff has spent his career involved in a broad spectrum of emergency management issues ranging from addressing water and wastewater emergencies to managing radiological plans to overseeing health and medical programs. Since his appointment in 2009, Miami-Dade's Division of Emergency Management has effectively coordinated relief and repatriation efforts following the earthquake in Haiti, prepared for the potential impact of the H1N1 virus and the Deepwater Horizon Oil Spill; supported public safety agencies during Super Bowl XLIV, and overseen major enhancements of the Emergency Operations Center, the nucleus for Miami-Dade County's emergency response and recovery efforts. Mr. Sommerhoff has served during eight Presidentially Declared or Major Disaster Declarations, including Hurricanes Wilma and Katrina, and initiated a Hurricane Preparedness Training Program for Miami-Dade County's workforce winning him the coveted Employee Suggestion Program Manager's Grand Award. He previously served as Emergency Manager for the Seminole Tribe of Florida, Manager of Miami-Dade County's 311 Answer Center, and as a United States Marine during Operations Desert Shield and Desert Storm.

Tommy B. Strowd, Assistant Executive Director, Operations, Maintenance & Construction South Florida Water Management District, tstrowd@sfwmd.gov
Tommy B. Strowd, P.E., has more than 30 years' experience in environmental and water resource engineering, gained in both the public and private sectors. Since joining the District in 1992, he has served as Operations Director, helped accelerate the design and construction of projects in the Comprehensive Everglades Restoration Plan and contributed significantly to regional water resource planning and engineering. Mr. Strowd also led the agency as Interim Executive Director. His government experience also includes stints with other state and federal environmental agencies. He has spent a significant portion of his career in the private sector, serving in engineering, project management and senior management positions with several consulting engineering firms. Mr. Strowd is a graduate of the Florida Institute of Technology and has been a professional engineer registered in the state of Florida since 1983.

William Tilson, Professor, Director, Preservation Institute: Caribbean, College of Design, Construction and Planning, University of Florida, wtropic@ufl.edu
William L. Tilson is Assistant Dean for International Studies and Service Learning in the College of Design, Construction and Planning and Professor of Architecture at the University of Florida. Since 1992, he has been the Director of the Preservation Institute: Caribbean (PI:C), the College's off-campus program in the Caribbean Basin and Latin America. Professor Tilson has been lead researcher and consultant on numerous documentation and planning projects for historic sites and seacoast communities throughout the region including locations in Antigua, Barbados, Yucatán, Jamaica, and Fernandina, Florida - the last town platted by the Spanish in the Western Hemisphere. Professor Tilson teaches design studio seminars, and mentors masters and Ph.D. students. His research focuses on the impact of new architecture and public space in historic seacoast towns particularly the role design codes and publicity play in constructing the identity of these communities. He is also co-director of the International Masters of Sustainable Design program, which focuses on climate change and watershed issues facing the design of urban seacoast areas in the tropics.

SPEAKERS AND MODERATORS



Fernando A. Vazquez, Group Leader Water Infrastructure South Florida, Jacobs, fernando.vazquez@jacobs.com

Mr. Vazquez studied and received his bachelor's degree in Ocean Engineering from the Florida Institute of Technology, he has also studied at Harvard University for a certificate in Public Policy and Planning. Mr. Vazquez currently holds the position of Group Leader Water Infrastructure for Jacobs Engineering in South Florida. Prior to this position, Mr. Vazquez held the position of Director of Capital Improvements as well as the position of City Engineer for the City of Miami Beach. He was also the Assistant City Engineer for the City of Fort Lauderdale. Mr. Vazquez was responsible for the creation and implementation of the City of Miami Beach Stormwater master plan (2010) the first known urban stormwater master plan to take into account sea level rise for sustainable future capital improvements. It was under Mr. Vazquez leadership that the City of Miami Beach dedicated an additional $200 million in capital improvements to address storm water management over the next twenty years. Mr. Vazquez is a proactive leader with extensive expertise in both the public and private sector. He has planned, developed and delivered a wide variety of major civil engineering projects throughout the United States and specifically in South Florida totaling over $2.0 billion. Mr. Vazquez has been at the lead of developing and formulating technical solutions which are in line with strategic visions of regional as well as local agencies.

Matthew Wadey, Ph.D. Research Fellow - Ocean & Earth Sciences, Faculty of Natural & Environmental Sciences at University of Southampton, M.P.Wadey@soton.ac.uk

Dr. Matthew Wadey studied Environmental Geoscience at University College London, followed by a master's degree in Coastal Engineering at theUniversity of Southampton. He has ten years of experience as a coastal engineering practitioner, consultant and researcher. From 2003-2008 Dr. Wadey was a coastal scientist at the headquarters of the U.K.'s Southeast Strategic Regional Coastal Monitoring Programme (the Channel Coastal Observatory), primarily a field-based role which included data collection, coastal process analysis and contributing to coastal engineering projects. Subsequently, his Ph.D. developed and applied a case-study methodology for defence failure and inundation analysis of coastal flood events. He then worked for the consultancy ABPmer, contributing to a range of process studies relating to port and other coastal and marine developments (e.g. marine renewable energy, aggregates, shoreline management, habitat creation schemes, and environmental impact assessments). Dr. Wadey is now a postdoctoral researcher at the National Oceanography Centre, currently working within a large multi-disciplinary flood research project which aims to assess causes and impacts of flood clustering. He lives in Bournemouth on the U.K. southern coast.

David Waggonner III, FAIA, Waggonner & Ball Architects, david@wbarchitects.com

David Waggonner is the president of Waggonner & Ball, an award-winning, internationally active architectural design and planning practice located in New Orleans, Louisiana. He is also the initiator of Dutch Dialogues, an intercultural, interdisciplinary and intergenerational exchange between Dutch engineering and design professionals and their American counterparts focused on water-based urban design. The Dutch Dialogues conferences in the years after Hurricane Katrina articulated a new vision of New Orleans as a city living with – rather than against – water. Building on the Dutch Dialogues, Mr. Waggonner leads a team of local and international experts in the development of the Greater New Orleans Urban Water Plan. The regional strategy addresses sustainable storm water management at all scales, from drainage system networks to individual lots, and includes ideas for supplemental green infrastructure systems based on hydrologic characteristics of the landscape. The team's ultimate goal is to develop a model of sustainable delta urbanism that embraces water to improve safety, resiliency and quality of life, as well as create new economic and development opportunities.

Jeff Williams, Director, Climate Consulting, Entergy, jwill35@entergy.com

Jeff Williams is a Director, Climate Consulting for Entergy Corporation. In that capacity he plays an important role helping Entergy manage carbon risk, helping business units develop strategy to prosper in a carbon constrained economy and execute future sustainable growth opportunities. Mr. Williams has written more than fifty white papers on climate science, clean energy technologies and climate change policy to inform Entergy management of the opportunities and challenges posed by climate change. He is the climate science advisor to senior management at Entergy. Jeff has been a strong advocate for taking proactive, responsible action to reduce greenhouse gas emissions and has stressed the importance of creating innovative, efficient market mechanisms for achieving cost effective greenhouse gas reductions. He also works closely with a number of progressive organizations towards achieving meaningful and efficient solutions to both mitigate and adapt to climate change. Mr. Williams received his undergraduate degree in Biology from Olivet College and a master's degree in Environmental Science from the University of Rochester.

SPEAKERS AND MODERATORS

Brian Wolshon, Ph.D., Director, Gulf Coast Research Center for Evacuation & Transportation Resiliency, Louisiana State University, brian@rsip.lsu.edu

Dr. Brian Wolshon is the Edward A. and Karen Wax Schmitt Distinguished Professor of Civil Engineering at Louisiana State University and, since 2008 has served as the founding Director of the Gulf Coast Research Center for Evacuation and Transportation Resiliency. His teaching and research activities encompass a range of areas related to highway design, safety, and traffic operations – most notably the planning, design, operation and management of transportation systems for emergency and major event conditions. In 2001, Dr. Wolshon founded and has since chaired TRB ANB80T – The Task Force on Emergency Evacuation. He has also served as a consultant on topics related to emergency transportation and evacuation to federal, state and local government agencies, national laboratories; and engineering firms throughout the United States. He also been interviewed by more than 100 media outlets including *The Discovery Channel, CNN, CNBC, MSNBC, Fox News, NPR, The New York Times, The Los Angeles Times, The USA Today, Times of London*, and *German Public Radio*.

Paul D. Zwick, Ph.D., Professor and Director of the GeoPlan Center Department of Urban and Regional Planning, University of Florida, pdzwick@ufl.edu

Dr. Zwick is a Professor and Graduate Coordinator for the School of Landscape Architecture and Planning in the College of Design, Construction and Planning at the University of Florida. He is also the Director of the GeoPlan Center and has also served as Associate Dean, Department Chair in Urban Planning, and Director of the College Doctoral Programs. He is a co-author of *Smart land Use Analysis: The LUCIS Model* (ESRI Press, March 2007), and is published in the areas of geographic information systems and land use analysis. Dr. Zwick has been the principle or co-principle investigator on projects ranging from the development of the Florida Geographic Data Library to the State of Florida Greenways Plan. He has been an advisor for geographic information systems to the Florida Dept. of Transportation, the Florida Dept. of Community Affairs, the Florida Dept. of Environmental Protection, the Conservation Fund, and the Environmental Systems Research Institute. His current research and practice interests are in Geodesign, environmental planning, and climate change analysis primarily in the area of sea level rise and its impacts when combined with storm surge on land use and transportation.

CONFERENCE COORDINATOR

Mary Beth Hartman, Conference & Outreach Coordinator, Florida Center for Environmental Studies at FAU, mhartman@fau.edu

Mary Beth Hartman returned to Florida Atlantic University in January 2012 as the Conference and Outreach Coordinator for the Florida Center for Environmental Studies (CES). Her primary responsibilities include the planning and outreach activities relating to the 2012 & 2013 Sea Level Rise Summits, along with a series of climate change and sea level rise related technical meetings and workshops. Prior to coming to CES, she worked for Palm Beach County's Economic Development Office administering the County's $6.5 million U.S. Department of Energy Block Grant program. From 2000 – 2010, she worked as a Research Associate for FAU's Center for Urban and Environmental Solutions administering the Florida Public Officials Design Institute and coordinating the Center's Jupiter Campus events, programs, projects and community outreach. She is a three-time graduate from FAU and a Ph.D. student in the College of Education's Adult and Community Education program.

EVENING EVENTS

Sea Level Rise Summit Tropical Riverview Reception

Riverside Hotel 620 East Las Olas Blvd. Fort Lauderdale,FL 33301

Reception: Wednesday, October 16, 6:15 p.m. – 8:30 p.m.
Included in your Sea Level Rise Summit registration, the Tropical Riverview Reception will be held on the 8th floor Skyline Terrace of the Riverside Hotel overlooking the New River and Downtown Fort Lauderdale. Don't miss this ideal networking opportunity and drink tickets and appetizers will be provided. A cash bar will also be available.

Trolley Service: We have contracted with Sun Trolley to provide on-going round trip service from the Conference Center parking lot to the Riverside Hotel between the hours of 5:45 and 8:45 p.m. You may leave your car at the Conference Center and security will remain on-site until 9:00 p.m. Seating on the trolley is limited but it will continue to run in a loop as needed. You may also walk in one direction (less than 10 minutes) and ride the trolley back.

Parking options: You may leave your car at the Conference Center until 9pm and walk to the hotel (10 minutes). There will be on-site security in the parking lot watching the lot until 9:00 p.m. Riverside hotel parking options include: valet ($8.00), a parking garage ($3.00 flat fee cash or credit card) and a surface lot ($5.00 flat fee cash only).

FAU Sea Level Rise Summit & ACSA Bridge Keynote Speaker

Featuring: David Waggonner – 6:30 – 7:15 p.m.

Following the Sea Level Rise Summit there will be a short break as participants from the Association of Collegiate Schools of Architecture (ACSA) Subtropical Cities Conference join us for the evening keynote speaker. This bridge event will officially kick off the ACSA Subtropical Cities Conference.

FRIDAY EVENTS

THE FOLLOWING EVENTS WILL BE HELD IN THE VELOCITY CENTER
(SEE MAP ON NEXT PAGE)

Sea Level Rise & Storm Surge Adaptation Clinic

9:30 – 11:30 a.m. Join Climate Central for an in-depth tutorial of its soon-to-be-released Surging Seas Risk Finder web tool using NJ and NY as case studies. The tool will provide planners and policy makers with localized information and tools to assess and to respond to the risks of sea level rise and coastal flooding. Learn the ins and outs of the software before it is released for the State of Florida at the SE Florida Regional Climate Leadership Summit November 7 – 8!

11:30 a.m. – 5:00 p.m. Following the use of Surging Seas v2.0, communities will want to take adaptation action but may be unsure which actions are good investments. Join Catalysis Adaptation Partners' Sam Merrill & JT Lockman for an interactive "fishbowl" clinic to learn the COAST approach (COastal Adaptation to Sea level rise Tool). See first-hand how it can be tailored for use in community engagement & cost benefit analysis of adaptations for municipalities & organizations in planning for sea level rise & storm surge. Pre-selected participants from 12 coastal communities will learn how to use this approach for vulnerable assets in their jurisdiction (e.g., real estate, economic activity, infrastructure) & adaptation actions they are considering (i.e., fortify, accommodate, or relocate). Attendees may observe any or all 12 clinic sessions & participate in the discussions based on their own experience & concerns.

Catered box lunches will be available for $10 and refreshments will be provided.

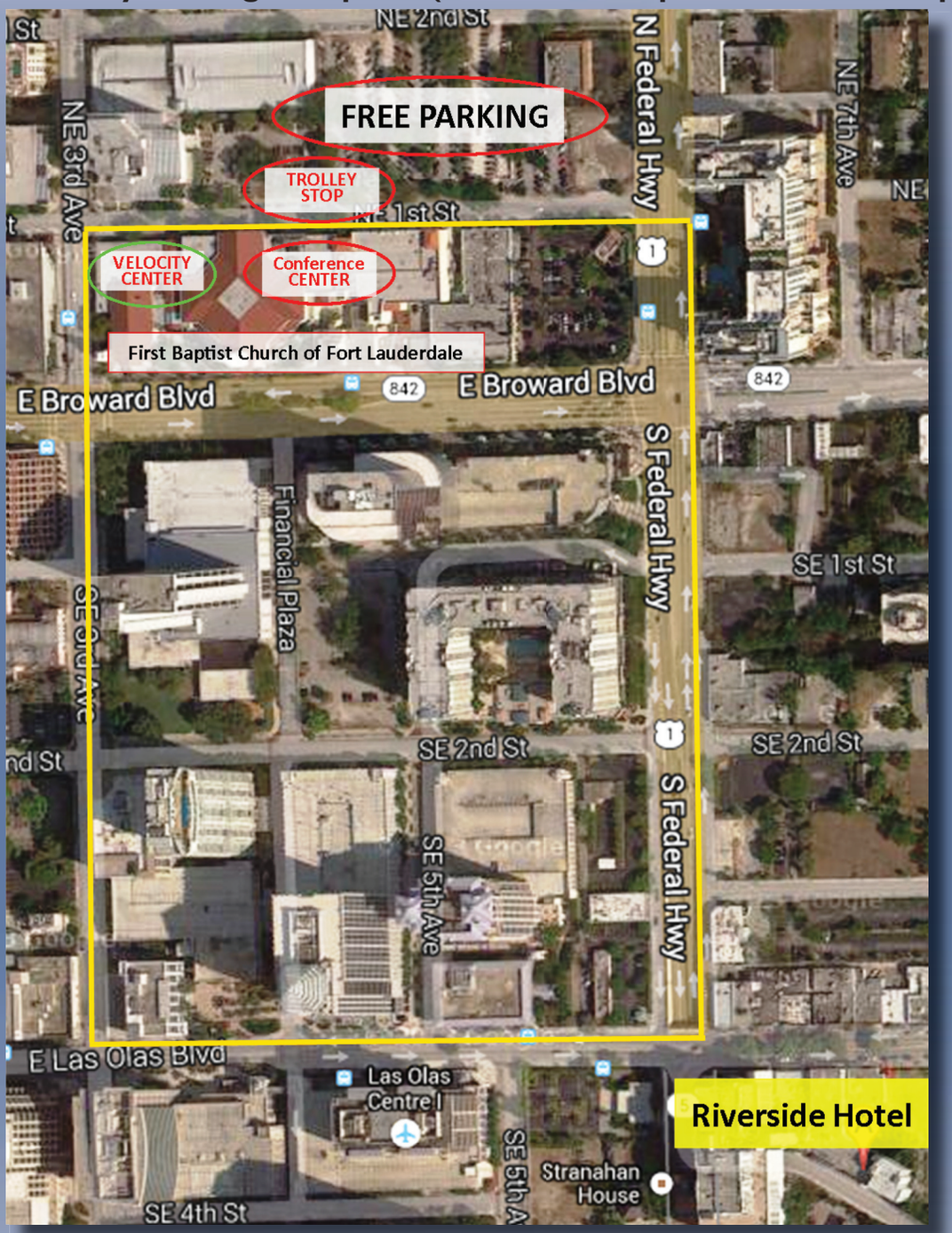
Film Screening: Shored Up

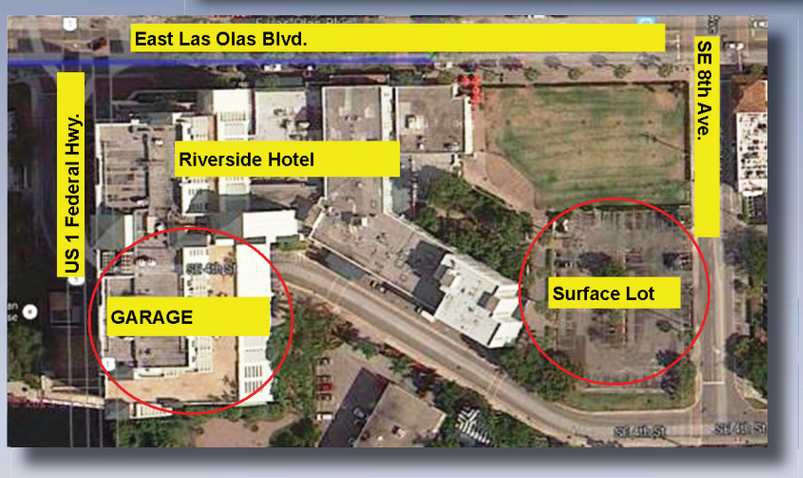
5:30 – 6:00 p.m. Reception – meet Director & Producer Ben Kalina!

6:00 -7:30 p.m. Film followed by Q & A with Ben Kalina

Shored Up is a documentary that asks tough questions about our coastal communities and our relationship to the land. What will a rising sea do to our homes, our businesses, and the survival of our communities? Can we afford to pile enough sand on our shores to keep the ocean at bay? In Long Beach Island, New Jersey and the Outer Banks of North Carolina, surfers, politicians, scientists and residents are racing to answer these questions. Beach engineering has been our only approach so far, but is there something else out there to be explored? Our development of the coastlines put us in a tough predicament, and it's time to start looking for solutions.

Trolley or walking route between the Conference Center & the Riverside Hotel for the Wednesday evening Reception (continuous loop from 5:45 – 9:00 p.m.)





Parking options at the Riverside Hotel

Florida Center for Environmental Studies at FAU
John D. MacArthur Campus
5353 Parkside Drive
Jupiter, Florida, 33445

www.ces.fau.edu