

Lessons from Hurricane Irma for Increasing Resilience

From Practice to Revising Plans and Policy

Tuesday, November 28 – 1:00-5:00 pm

Marine Industries Association of South Florida – Fort Lauderdale, FL

OPENING REMARKS

Anthony Abbate is the Associate Provost of the Broward Campuses of Florida Atlantic University. His responsibilities include providing leadership and vision for campus-based services for the University's three Broward campuses, including academic support services, student affairs, operations and community relations. A native resident of Fort Lauderdale, Professor Abbate joined FAU in 1996 as a Visiting Assistant Professor in the newly established School of Architecture. Mr. Abbate has served on numerous state, county and municipal boards including as Vice-Chair of the State of Florida Department of Education Building Construction Advisory Committee, Chair of the Broward Cultural Council and Chair of the Sustainability Committee for the City of Fort Lauderdale.

PANELISTS & MODERATORS

Anton Post, Ph.D. is the executive director of FAU Harbor Branch. Before joining FAU Harbor Branch, Anton Post, Ph.D., served as the executive director of the Coastal Resources Center at the University of Rhode Island. Post earned a Ph.D. in microbiology, a master of science degree in aquatic microbial ecology and a bachelor of science degree in biology from the University of Amsterdam. He began his research career as a graduate student nearly four decades ago in the Netherlands and went on to the Hebrew University for his postdoctoral work. Over the course of a 20-year career of research and teaching, he climbed the ranks to full professor before being promoted to academic leadership roles. Post is well-published, with 120 peer-reviewed publications, and has been the recipient of numerous fellowships and awards, including being named visiting scholar at the Massachusetts Institute of Technology and earning the Gruss-Lipper Fellowship at the Marine Biology Laboratory in Woods Hole, Mass. He has held several similar leadership positions at state universities, overseeing multimillion-dollar budgets comprised mainly of competitively awarded research grants. In recent years, he also served as a program director in the Division of Ocean Sciences at the National Science Foundation.

Aubry Kyle is a doctoral candidate in the Department of Geography and Anthropology at Louisiana State University. She holds master's degrees in anthropology and public health from the University of Illinois at Chicago, both with a focus on hazard management and emergency preparedness. Aubry's doctoral research focuses on examining local individual perceptions of the barriers, risks, and benefits of utilizing the City-Assisted Evacuation Program in New Orleans,

Louisiana. Aubry is currently serving as a fellow at Evacuteer.org. She will also be teaching a course in Hazard Risk Reduction at the LSU Department of Geography in the spring.

Brian Wolshon, Ph.D. is the Edward A. and Karen Wax Schmitt Distinguished Professor of Engineering in the Department of Civil and Environmental Engineering at Louisiana State University. His research covers several areas in highway transportation, most notably the operational analysis and management of traffic during mass evacuations. He is the founding chair of the Transportation Research Board's Subcommittee (now Task Force) on Emergency Evacuation and the founding Director of the Center for Evacuation and Transportation Resiliency at LSU. As an internationally recognized expert in the field evacuation transportation, he has appeared on television channels such as CNN, CNBC, MSNBC, the Discovery Channel, and the Fox News Channel and has been quoted in publications such as TIME Magazine, Newsweek, US News and World Report, USA Today, and the New York Times. Dr. Wolshon has also works a consultant to numerous engineering firms, federal and state governments, and national laboratories including the Louisiana Department of Transportation and Development for the development of the state's contraflow evacuation plan, the Florida Department of Transportation for the modeling and analysis of evacuations in the Florida Keys, and the Sandia National Laboratories for the modeling and guidance development for evacuations associated with nuclear power plant emergencies.

Colin Polsky, Ph.D. Professor Polsky is an environmental social scientist whose research and teaching examine how people create, perceive, and respond to environmental challenges. His interdisciplinary training is in mathematics, humanities, French, geography, and science & international affairs (from U. Texas, Penn State, and Harvard). As the Center director and professor, he helps build and lead teams to advance knowledge of U.S. climate vulnerabilities, in both methodological and applied terms. His responsibilities include program building, both within and across university departments; fundraising from public and private foundations; staffing diverse and multi-generational teams; and communicating with varied audiences, for both persuasive and reporting purposes.

Evangelos I. Kaisar, Ph.D. is an Associate Professor of Transportation Engineering and Director of the Geomatics and Transportation Engineering Program at Florida Atlantic University. He is also the Director of the TIER 1 Transportation Center (Freight Mobility Research Institute (FMRI)). His main expertise and interests are in the areas of freight Transportation and logistics, simulation, emergency response, infrastructure resilience, supply chain security, and ITS. Dr. Evangelos Kaisar is a leading freight mobility and transportation management expert at both the national and international levels. In 2016 he was selected as FAU's Researcher of the year, and in 2013 as FAU's Outstanding Undergraduate Teacher. In the last 10 years, Dr. Kaisar has managed research projects sponsored by Federal Transit Administration, Federal Emergency Management Agency, Florida Department of Transportation, U.S. Department of Transportation and the Department of Homeland Security. Dr. Kaisar has published more than 150 papers, and he has supervised to graduation more than 32 PhD and MS students. Dr. Kaisar

is member of the Editorial Boards of national and international journals such as the IEEE Transactions on Intelligent Transportation Systems (ITS) the premier journal in ITS.

James E. Galvin, MD MPH is a Professor of Integrated Medical Sciences and Associate Dean for Clinical Research at the Charles E. Schmidt College of Medicine, Florida Atlantic University. He is Founding Director of the Comprehensive Center for Brain Health, and the Executive Director of the Institute for Healthy Aging and Lifespan Studies (I-HeAL). He is also Professor of Nursing and Medical Director of the Louis and Anne Green Memory and Wellness Center at the Christine E. Lynn College of Nursing, Florida Atlantic University. A Board-Certified Neurologist, Dr. Galvin has authored over 200 scientific publications, 25 book chapters, and three textbooks on healthy brain aging, cognitive health, memory loss, Alzheimer's disease, Lewy Body dementia, and related disorders. Dr. Galvin created and leads the Clinical Translational Research Unit (CTRU), a 7800 square feet of state-of-the-art research space specifically designed to conduct clinical trials, longitudinal studies, and patient-oriented research projects. Dr. Galvin's research has been funded by the National Institutes of Health, Centers for Disease Control, Florida Department of Health, and numerous private and family foundations. Learn more about Dr. Galvin's research [here](#).

Jeffrey E. Huber, AIA, NCARB, LEED AP, is an Assistant Professor at Florida Atlantic University, School of Architecture (fau.edu/soa). Huber is also a Principal at Brooks + Scarpa Architects (brooksscarpa.com) and the 2017 AIA Fort Lauderdale President. His work focuses on interdisciplinary public projects that combine ecological, landscape, urban, and architectural design. Huber has advanced sustainability educational and professional initiatives in agricultural urbanism, missing-middle housing typologies, Transit-Oriented Development, salty urbanism and Low Impact Development. He is currently advancing design research to address the future challenges of sea level rise and climate change in south Florida. This novel research is aimed at addressing flood-adaptive design implementation, and the role of stakeholders and municipalities. Huber's research, teaching, and design work have garnered over 80 national design awards. He has received more than \$1 million in federal, state and local grants for his design research and interdisciplinary ecological, landscape and urban design work. Grants have included The National Endowment of the Arts (NEA), National Oceanic & Atmospheric Administration (NOAA) through the Florida Sea Grant, The Kellogg Foundation and the United States Environmental Protection Agency (US EPA), to name a few. Huber was previously the Assistant Director of the University of Arkansas Community Design Center, an internationally recognized outreach center of the Fay Jones School of Architecture + Design.

Jillian Sandoval is the Program & Volunteer Manager at Evacuteer.org. Jillian began volunteering with Evacuteer.org in 2011, and became the team's second full-time staff member in the spring of 2016. Born and raised in the "Piney Woods" of East Texas, she fell in love with New Orleans the first time she visited the city; in her heart she knew that one day she would make it her home. She became interested in nonprofit work as a service recipient of a women's workforce development program in Portland, Oregon with Oregon Tradeswomen, Inc. After working as a carpenter with Habitat for Humanity for five years in various U.S. cities, the opportunity arose for

her to become a part of New Orleans' recovery by helping rebuild homes for Katrina survivors. As the Program & Volunteer Manager for Evacuteer.org, Jillian oversees all volunteer communications, training, outreach, web presence and information technology. She is currently pursuing her master's degree at the University of New Orleans in Public Administration, and holds a BA in Social Sciences from Tulane University.

John L. Renne, PhD, AICP Dr. Renne is a globally recognized expert in Transit Oriented Development (TOD), including sustainable and resilient cities, with a focus on land use and transportation planning and policy. He is an expert in evacuation planning and coined the term "carless evacuation" in 2005. Dr. Renne played a leadership role in the disaster recovery of New Orleans post-Hurricane Katrina. Dr. Renne is experienced in real estate development. He is the founder of the TOD Group and the TOD Index. Dr. Renne is a co-founder of the National Evacuation Conference. He is the Chair of the Transportation and Land Development Committee of the Transportation Research Board of the National Academies and he is the chair of the Mobility Committee of the Urban Land Institute's Southeast Florida and Caribbean District Council. In addition to his role as Associate Professor in the School of Urban and Regional Planning, where he coordinates the undergraduate programs, he is also an Honorary Research Associate at the Transport Studies Unit in the School of Geography and the Environment at the University of Oxford.

Josh Levy will serve as Mayor of Hollywood for a 4-year term that will lead the City into the year 2020. Levy grew up in Hollywood and graduated from Hollywood Hills High School in 1992. He attended the University of Florida where, in 1996, he earned a Bachelor of Arts in Political Science. Levy went on to earn a Law Degree from Nova Southeastern University, where in 2000, he graduated with Pro Bono Honors and a Certificate of Concentration in International Legal Practice. Levy currently serves as General Counsel and oversees Corporate Development for his family's Hollywood-based automobile dealership. Levy first began public service with the City 18 years ago, when he served as a law clerk in the City of Hollywood City Attorney's Office. Later, he was appointed by the Hollywood City Commission to serve as a member of the City's Planning & Development Board, a position which Levy held for twelve years. Over the years, Levy also served as President, Director and Education Committee Chairperson of the Hollywood Hills Civic Association. Levy is a graduate of the Greater Hollywood Chamber of Commerce's Leadership Hollywood program, the Hollywood Police Department's Citizen's Police Academy and is a recipient of the City of Hollywood's Great Neighborhoods Challenge Community Spirit Award. Levy is also an active member of the Hollywood Historical Society, the Rotary Club of Hollywood, the Broward County Tourist Development Council, and CareerSource Broward. During his term as Mayor, Levy is committed to improving neighborhoods, ensuring public safety, helping to improve public schools and stimulate economic growth and job creation.

Karl Kim, Ph.D. is Professor of Urban and Regional Planning, at the University of Hawaii where he directs the graduate program in Disaster Management and Humanitarian Assistance. He is also the Executive Director of the National Disaster Preparedness Training Center (ndptc.hawaii.edu) which develops and delivers FEMA-certified training courses on disaster preparedness, response,

and recovery for state and local governments with a focus on natural hazards, coastal communities, and islands and isolated, underserved communities. To date, the Center has training more than 33,000 first responders and emergency managers across the nation. Dr. Kim previously served as the chief academic officer (Vice Chancellor for Academic Affairs) overseeing tenure and promotion, program review, accreditation and international programs at the University of Hawaii. Dr. Kim was educated at Brown University and M.I.T. and has published numerous articles, technical reports, and publications on disaster risk reduction, transportation, and urban and regional planning. He is editor of a 10 volume series on disaster risk reduction and resilience (Routledge Press).

Lauree Simmons, is the CEO and Founder Big Dog Ranch Rescue. Lauree started Big Dog Ranch Rescue in 2008 and is responsible for saving over 23,000 dogs from certain death at high-kill shelters. The largest cage free dog rescue in the U.S., Big Dog Ranch Rescue is a vibrant, 33-acre campus designed, constructed and resourced to meet the needs of large and small rescued dogs from pregnancy and puppies through seniors. Big Dog Ranch Rescue is a loving transitional home. She says, "With this campus, we have optimized every single aspect of the rescue experience. We started with a vision of the perfect rescue campus. Then, we began building it. Every day we get closer to our ultimate goals and vision."

Scott Parr, Ph.D., E.I.T is a visiting assistant professor at Embry-Riddle Aeronautical University in the Civil Engineering Department. He earned his Ph.D. in Civil Engineering from Louisiana State University specializing in Transportation Engineering and Emergency Management. Dr. Parr is published in several peer reviewed journals and has participated as an expert panelist at conferences and workshops around the nation. Dr. Parr also serves as a subject area expert for several journals such as the *Transportation Research Record*, *Journal of Emergency Management* and *American Society of Civil Engineer's Natural Hazards Review*. Dr. Parr has led research collaborations with the United States Department of Transportation, Department of Homeland Security, Transit Security Administration and U.S. Nuclear Regulatory Commission. Prior to his appointment at Embry-Riddle, Dr. Parr taught at California State University, Fullerton, and also served as Associate Director of Research for the Gulf Coast Center for Evacuation and Transportation Resiliency.

Zayne Smith is an Associate State Director of Advocacy for AARP Florida and lead on the state office's work on utilities, veterans' affairs, retirement savings, transportation and affordable housing issues. She represents AARP Florida on the Sadowski Housing Coalition and Florida Don't Text + Drive Coalition. Zayne is a member of the National Council of State Legislatures, National Energy and Utility Affordability Coalition and Florida League of Women Voters. Prior to working with AARP, Zayne worked as a lawyer/lobbyist on health, poverty and immigration issues throughout Alabama and the Southeast for Alabama Appleseed Center for Law & Justice. She is well-versed on utilities, retirement, consumer protections, transportation and housing issues.