

# BAF WORKSHOP

SPRING 2022

April 8, 2022

April 15, 2022

April 22, 2022



TEXAS A&M UNIVERSITY  
Hazard Reduction  
& Recovery Center



# April 8, 2022

Topic: Community Engagement: Challenges and Opportunities

Time: 3:00 - 4:30 p.m. C.S.T.

Zoom: <https://tamu.zoom.us/j/93732846733>

Audience: All BAF Fellows, HRRC & PVAMU Students

## Panelists



Carlee Purdum  
Research Assistant Professor  
Hazard Reduction & Recovery  
Center, College of Architecture,  
Texas A&M University

Dr. J. Carlee Purdum is a Research Assistant Professor for the Hazard Reduction and Recovery Center at Texas A&M University. Her work centers on how hazards and disasters impact incarcerated populations and correctional facilities. She is also working on projects with the HRRC examining civilian rescue organizations as well as long term recovery after both natural and technological disasters, including most recently, Hurricane Harvey. Other projects have examined public health on the gulf coast after the BP oil spill of 2010, social media in disasters, disaster risk perception, and hurricane evacuation behavior. Her research interests include emergency response (fire & medical personnel), rural disasters/emergency response, long term disaster recovery, social vulnerability, vulnerable populations, incarcerated workers, all-hazard inmate firefighters, and incarceration and prisons in disasters.



Nasir Gharaibeh, Professor  
Zachry Department of Civil &  
Environmental Engineering  
Texas A&M University

Dr. Nasir Gharaibeh is working as a Professor in the department of Civil Engineering at Texas A&M University, USA. He has completed his Ph.D. from University of Illinois, Urbana-Champaign in 1997. His research interests include: Infrastructure condition assessment and deterioration modeling, Infrastructure management decision support systems, Infrastructure life cycle analysis, Quality assurance systems for infrastructure construction and maintenance, Pavement design, preservation, and management. The goal of his research is to improve the management processes and performance of infrastructure systems in ways that contribute to creating more sustainable and resilient communities. The outcomes of his research inform infrastructure systems planning and engineering decisions, such as those related to investment strategies, maintenance and renewal planning, and project selection.



Noel M. Estwick  
Assistant Professor and Research Scientist  
Department of Agriculture, Nutrition and  
Human Ecology  
College of Agriculture & Human Sciences  
Prairie View A&M University

Dr. Noel M. Estwick is an Assistant Professor and Research Scientist in the College of Agriculture and Human Sciences, Prairie View A&M University, Prairie View, Texas, where he also serves as Chair of the Human Sciences Program. Noel holds a Ph.D. in Urban Planning and Environmental Policy from Texas Southern University. His research interests include improving the emergency management process especially among underserved populations, food systems, food security, and the application of Geographic Information Systems in the social sciences. Noel also has a passion for teaching spatial technologies to youth. He is a research affiliate in the Hazard Reduction and Recovery Center (HRRC) at Texas A&M University, College Station, Texas. Noel is a delegate of the Extension Disaster Education Network (EDEN) and is the Principal Investigator of the 1890-EDEN Project. In 2017 he participated in the United States Department of Agriculture National Institute of Food and Agriculture (USDA/NIFA) Division of Family and Consumer Sciences Visiting Scholar Program.





Jaimie Masterson, Director  
Texas Target Communities  
Texas A&M University

Ms. Masterson, AICP, is director of Texas Target Communities (TTC) at Texas A&M University, a high impact service-learning program that works alongside underserved communities to plan for resilience. Based on this work, in 2019, the Liberty County Strategic Plan received the national Silver Planning Achievement Award from the American Planning Association. She is author of "Planning for Community Resilience: A Handbook for Reducing Vulnerabilities to Disasters," which focuses on hazard mitigation strategies and tools for government officials, planners, and emergency managers that can be incorporated pre-disaster. She is the engagement coordinator Institute for Sustainable Communities and the Plan Integration for Resilience Scorecard project funded by the Department of Homeland Security and a part of the Center for Coastal Resilience at the University of North Carolina at Chapel Hill. Masterson also consults with small communities to develop comprehensive plans, economic development plans, and other planning needs to fold and infuse resilience practices into community initiatives.



Michelle Eley  
Community & Economic  
Development Specialist  
North Carolina State University

Dr. Michelle Eley serves as the Community and Economic Development Specialist for the Cooperative Extension Program at North Carolina Agricultural and Technical State University. Dr. Eley received PhD in Community and Rural Studies and a MS in Agricultural Economics from University of Illinois, Urbana-Champaign and a BS in Agricultural Economics from North Carolina A&T State University. Much of Dr. Eley's program specialist responsibility has been community planning, community leadership and organizational development, economic development, food systems development, civic dialogue and emergency preparedness.

# GAME NIGHT

Time: 5:00 - 6:00 p.m. C.S.T

Zoom: [https://tamu.zoom.us/j/96874534488?](https://tamu.zoom.us/j/96874534488?pwd=YXd4Y1JsVk5ubVpiKzNYNVVo3Z3k2Zz09)

[pwd=YXd4Y1JsVk5ubVpiKzNYNVVo3Z3k2Zz09](https://tamu.zoom.us/j/96874534488?pwd=YXd4Y1JsVk5ubVpiKzNYNVVo3Z3k2Zz09)

Audience: BAF Fellows **ONLY**



# April 15, 2022

## Concurrent Session A: Doing Engaging and Interdisciplinary Research with Collaborators

Time: 3:00 - 4:30 p.m. C.S.T.

Zoom: <https://tamu.zoom.us/j/96140026834>

Audience: **Senior** BAF Fellows, HRRC & PVAMU students & faculty

## Panelists



Farrah G. Cambrice  
Associate Professor  
Sociology  
Prairie View A&M University

Dr. Cambrice's research and teaching interests include race, disaster recovery, community building, and qualitative methods. In 2018, she served as a co-principal investigator for the Smart and Connected Rural Communities Planning grant effort. The goal of this National Science Foundation-funded planning grant was to develop a framework to enable the initiation of smart technologies in Prairie View. Before joining the Smart and Connected Rural Communities Planning grant effort, Cambrice collaborated with a team of scholars from Tulane University and the University of New Orleans who were interested in the recovery of neighborhoods after Hurricane Katrina. The research group was awarded one of 18 National Science Foundation Urban Long-Term Area Exploratory (ULTRA-Ex) grants to study the impact of trauma on urban biophysical, ecological, and social diversity using the study area of post-Katrina New Orleans.



Angie B. Lindsay  
Assistant Professor, Department of  
Family, Youth & Community Sciences  
UF/IFAS Center for Public Issues in  
Agriculture & Natural Resources  
FL EDEN  
University of Florida

Dr. Angie B. Lindsey is an assistant professor in the Department of Family, Youth & Community Sciences working within the University of Florida Institute of Food and Agricultural Sciences (UF/IFAS) Center for Public Issues Education in Agriculture and Natural Resources (PIE Center). Angie currently serves at the Point of Contact for the Extension Disaster Education Network (EDEN) for UF/IFAS. Her research focuses on disaster preparedness and recovery within communities, looking at crisis communication efforts before, during and after disasters. Her Extension work has been in partnership with Extension and organizations to meet gaps and needs within communities affected by disaster. Angie has worked on several large interdisciplinary projects including the Healthy Gulf, Healthy Communities project focused on resiliency and rebuilding of Gulf Coast communities following the Deepwater Horizon Oil Spill.



Walter Gillis, Peacock  
Professor  
Department of Landscape Architecture &  
Urban Planning  
College of Architecture  
Texas A&M University

Dr. Walter Gillis Peacock is professor of Urban Planning in the Department of Landscape Architecture and Urban Planning, where he has been a member of the faculty since 2002. He received his Ph.D. from the University of Georgia. He is internationally known for his research on disaster recovery, community resiliency, and social vulnerability. He has conducted research in Florida, Texas, California, Guatemala, Mexico, Peru, the former Yugoslavia, Italy, Turkey, and India. He has been PI or Co-PI on approximately 7 million dollars in external funding since joining TAMU with the majority of that funding coming from the National Science Foundation (NSF), National Oceanographic Atmospheric Administration (NOAA), and the National Institute for Standards and Technology (NIST). He has authored or co-authored 3 books and over a hundred journal articles, book chapters, research monographs, and professional papers. He has given briefings regarding household, housing, and community recovery following major natural disasters to local, state, and federal officials.





Kayode Atoba  
Postdoc Researcher  
Center for Texas Beaches & Shore  
Prairie View A&M University, Galveston

Dr. Kayode Atoba is a postdoctoral research scientist with the Center for Texas Beaches and Shores and the Institute for Sustainable Communities at Texas A&M University. He holds a Ph.D. in Urban and Regional Science, a master's degree in Geographic Information Systems, and a bachelor's degree in Urban and Regional Planning. Atoba's research focuses on using quantitative and geospatial methodologies to identify the interactions between the built environment and natural hazards. His research evaluates the socio-ecological and institutional factors responsible for the changing dynamics of flood hazard impacts in high risk areas, while also drawing on the broader theory of hazard resiliency to propose best mitigation strategies. Atoba is a mentor and alumnus of the William Averette Anderson Fund, the first interdisciplinary organization in the United States focused on increasing the number of underrepresented persons in the field of disaster research and planning.

## Concurrent Session B: Introduction to the Disaster Research Field

Time: 3:00 - 4:30 p.m. C.S.T.

Zoom: <https://tamu.zoom.us/j/93995029768>

Audience: **Newer** BAF Fellows, HRRC & PVAMU students & faculty



Kathleen Tierney  
Professor Emerita, Sociology  
University of Colorado Boulder

Dr. Kathleen Tierney (Ph.D. Ohio State University, 1979) is Professor Emerita of Sociology and the former Director of the Natural Hazards Center, part of the Environment and Society Program in the Institute of Behavioral Science. She conducts research on hazards, disasters, and risk, with an emphasis on the political economy of disasters. Her qualitative research expertise includes quick-response field research following disasters; in-depth interviewing; qualitative evaluation research; and focus group methods. Professor Tierney teaches courses on qualitative data collection and analysis.

## SOCIAL TIME

Time: 5:00 - 6:00 p.m. C.S.T.

Zoom: [https://tamu.zoom.us/j/92471977257?](https://tamu.zoom.us/j/92471977257?pwd=Y3cxcVJxSW1PZWk4LzF3RXVNLNWNvUT09)

[pwd=Y3cxcVJxSW1PZWk4LzF3RXVNLNWNvUT09](https://tamu.zoom.us/j/92471977257?pwd=Y3cxcVJxSW1PZWk4LzF3RXVNLNWNvUT09)

Audience: BAF Fellows **ONLY**



# April 22, 2022

## Concurrent Session A: Preparing for the Dissertation Defense and Job Talks

Time: 3:00 - 3:45 p.m. C.S.T.

Zoom: <https://tamu.zoom.us/j/99153370284>

Audience: **Senior BAF Fellows ONLY**

## Panelists



Andrew Rumbach  
Associate Professor  
Department of Landscape  
Architecture & Urban Planning  
College of Architecture  
Texas A&M University

Dr. Rumbach's research centers on household and community risk to natural hazards and climate change, in the United States and India. Using a mix of qualitative, quantitative and geospatial data, he examines the intersection of urbanization and extreme weather events and the political-economic context for disaster risk creation. Rumbach's current research projects include a study of mobile home parks and disaster recovery after Hurricanes Harvey and Michael; an examination of cultural and historic resources and their exposure to flood hazards; and a study of landslide and earthquake risk in rapidly urbanizing towns and villages in the Darjeeling-Sikkim Himalayas. His research has been funded by grants from the National Science Foundation, the Natural Hazards Center, the Rockefeller Foundation, and the GeoEye Foundation, among others.



Nancy Rios-Contreras  
Assistant Professor  
Sociology  
Chapman University

Dr. Nancy Rios-Contreras is an Assistant Professor of Sociology in the Wilkinson College of Arts, Humanities, and Social Sciences at Chapman University. She earned her PhD in Criminology from the Department of Sociology and Criminal Justice at the University of Delaware. She is a Bill Anderson Fund Fellowship alumna and a former Disaster Research Center affiliated graduate student. Nancy is a proud daughter of immigrants from Jalisco and Zacatecas. She enjoys cross-country road trips, international travel, playing Lotería, speaking Spanglish, and spending time with her dog Frida. Nancy's research interests involve migration, criminalization, race and ethnicity, social disasters, and qualitative methods in a Latin American context.



# April 22, 2022

Concurrent Session B: Time Management

Time: 3:00 - 3:45 p.m. C.S.T.

Zoom: <https://tamu.zoom.us/j/94029550966>

Audience: **Newer** BAF Fellows **ONLY**

## Panelists



Nathanael Rosenheim  
Associate Research Scientist  
Hazard Reduction & Recovery Center  
Texas A&M University

D. Nathanael Rosenheim, Ph.D., is an Associate Research Scientist for the Hazard Reduction and Recovery Center in the Department of Landscape Architecture and Urban Planning at Texas A&M University. Rosenheim's areas of interest are spatial modeling, data science, community development, and food system planning. His recent research uses public demographic and economic data to improve fact-based community planning for hazard mitigation and recovery planning. He received all of his degrees from Texas A&M University, a Ph.D. in Urban and Regional Science, a Masters of Urban Planning, and a B.S. in Electrical Engineering.



Peter Ampim  
Assistant Professor  
Department of Agriculture, Nutrition  
and Human Ecology  
Prairie View A&M University

Dr. Peter Ampim is an Assistant Professor with a split teaching and research appoint with the Department of Agriculture, Nutrition and Human Ecology in the College of Agriculture and Human Sciences at Prairie View A&M University (PVAMU). Dr. Ampim's current research activities span specialty crops, including specialty leafy greens, microgreens and small fruits, sustainable organic crop production, bioenergy crop production using reclaimed produced water and LED light applications for improving the growth and nutritional quality of leafy greens under indoor cultivation environments. His research is supported with grants from various funding agencies including USDA-NIFA. He is on the research team of three research centers at PVAMU namely the Cooperative Agricultural Research Center, the Center for Energy and Environmental Sustainability and the Center for High Pressure Combustion in Microgravity.



# April 22, 2022

Session C: Developing a Research Agenda

Time: 3:45 - 4:30 p.m. C.S.T.

Zoom: <https://tamu.zoom.us/j/98332416403>

Audience: All BAF Fellows

## Panelists



Richard W. Griffin  
Professor & Research Scientist  
Cooperative Agricultural Research Center  
Prairie View A&M University

Dr. Richard W, Griffin is a Professor and Research Scientist at the Cooperative Agricultural Research Center at Prairie View A&M University. He received his Ph.D. degree from Texas A&M University in Soil Science and Master degree in Soil Science and Public Administration from North Carolina State University. His research interests include: Accretion or loss of sediments in marsh soil systems; Wetland-Pond ecosystems impacted by agriculture; Environmental and natural resources education; Dynamic soil processes associated with fluctuating water tables in seasonally wet and wetland soils; Effects of added organic carbon and altered pH levels on microbiological activities in soil systems; Measurement of pH, Eh, and Ferrous Iron levels in seasonally wet soils; Wetness conditions and redoximorphic features in microtoposequences; Red dust accumulation in soils and its bioenvironmental and biomedical impacts and Land-use regulation and control.



Michelle Meyer  
Director, Associate Professor  
Hazard Reduction & Recovery Center  
Landscape Architecture and Urban Planning  
College of Architecture  
Texas A&M University

Dr. Michelle Meyer is Director of the Hazard Reduction and Recovery Center and Associate Professor of Urban Planning at Texas A&M University. She received her Ph.D. from the Department of Sociology at Colorado State University (CSU). Michelle's research interests include disaster recovery and mitigation, environmental and community sustainability, and the interplay between environmental conditions and social vulnerability. She uses the lens of social capital and collective efficacy to theoretically understand how relationships between individuals and between governmental and nongovernmental organizations generate or hinder disaster risk and recovery. Michelle has worked on various research projects including disaster risk perception, social capital in disaster resilience, nonprofit collaboration for disaster recovery, organizational energy conservation, volunteer training program evaluation, evaluation of disaster response plans for individuals with disabilities, social media use among vulnerable populations, etc.



# SPECIAL ACKNOWLEDGMENTS



Patrick Suremann  
Interim Dean  
College of Architecture  
Texas A&M University

Dr. Patrick C. Suermann is the interim dean of the Texas A&M College of Architecture. Before his appointment as interim dean, Suermann served for four years as head of the Texas A&M Department of Construction Science. Suermann has published numerous journal articles, book chapters and presented at various professional conferences including the ASEE Annual Conference & Exposition the American Society of Civil Engineers Construction Research Congress, and more. Suermann retired from the U.S. Air Force in 2017 as a lieutenant colonel after a distinguished military career. Suermann is a member of the American Society of Civil Engineers, Associated Schools of Construction, Society of American Military Engineers and the American Council of Construction Education. He earned a Ph.D. in design, construction and planning from the University of Florida.



Michelle Meyer  
Director, Associate Professor  
Hazard Reduction & Recovery Center  
Landscape Architecture and Urban Planning  
College of Architecture  
Texas A&M University

Dr. Michelle Meyer is Director of the Hazard Reduction and Recovery Center and Associate Professor of Urban Planning at Texas A&M University. She received her Ph.D. from the Department of Sociology at Colorado State University (CSU). Michelle's research interests include disaster recovery and mitigation, environmental and community sustainability, and the interplay between environmental conditions and social vulnerability. She uses the lens of social capital and collective efficacy to theoretically understand how relationships between individuals and between governmental and nongovernmental organizations generate or hinder disaster risk and recovery. Michelle has worked on various research projects including disaster risk perception, social capital in disaster resilience, nonprofit collaboration for disaster recovery, organizational energy conservation, volunteer training program evaluation, evaluation of disaster response plans for individuals with disabilities, social media use among vulnerable populations, etc.



Shannon Van Zandt  
Professor  
Department of Landscape Architecture &  
Urban Planning  
College of Architecture  
Texas A&M University

Dr. Shannon Van Zandt's scholarship focuses on the intersection of affordable housing with disaster impacts, resilience, and recovery, with particular interest in how residential land use patterns exacerbate or mitigate exposure to natural hazards, specifically flooding. She has served as PI or co-PI on nearly \$4 million in external funding from the NSF, the National Institute of Standards & Technology, the Army Corps of Engineers, and others. She is an author of the 2014 book, *Planning for Community Resilience: A Handbook for Reducing Vulnerability to Disasters*, along with more than 45 other journal articles, book chapters, and technical reports. In Texas, Dr. Van Zandt serves on the board of Texas Housers, one of the nation's premiere advocacy organizations for low-income housing, and an active advocate for housing recovery after Hurricanes Ike, Dolly, and now Harvey.



John Cooper  
Assistant Vice President  
Public Partnership & Outreach  
Office of the Provost  
Texas A&M University

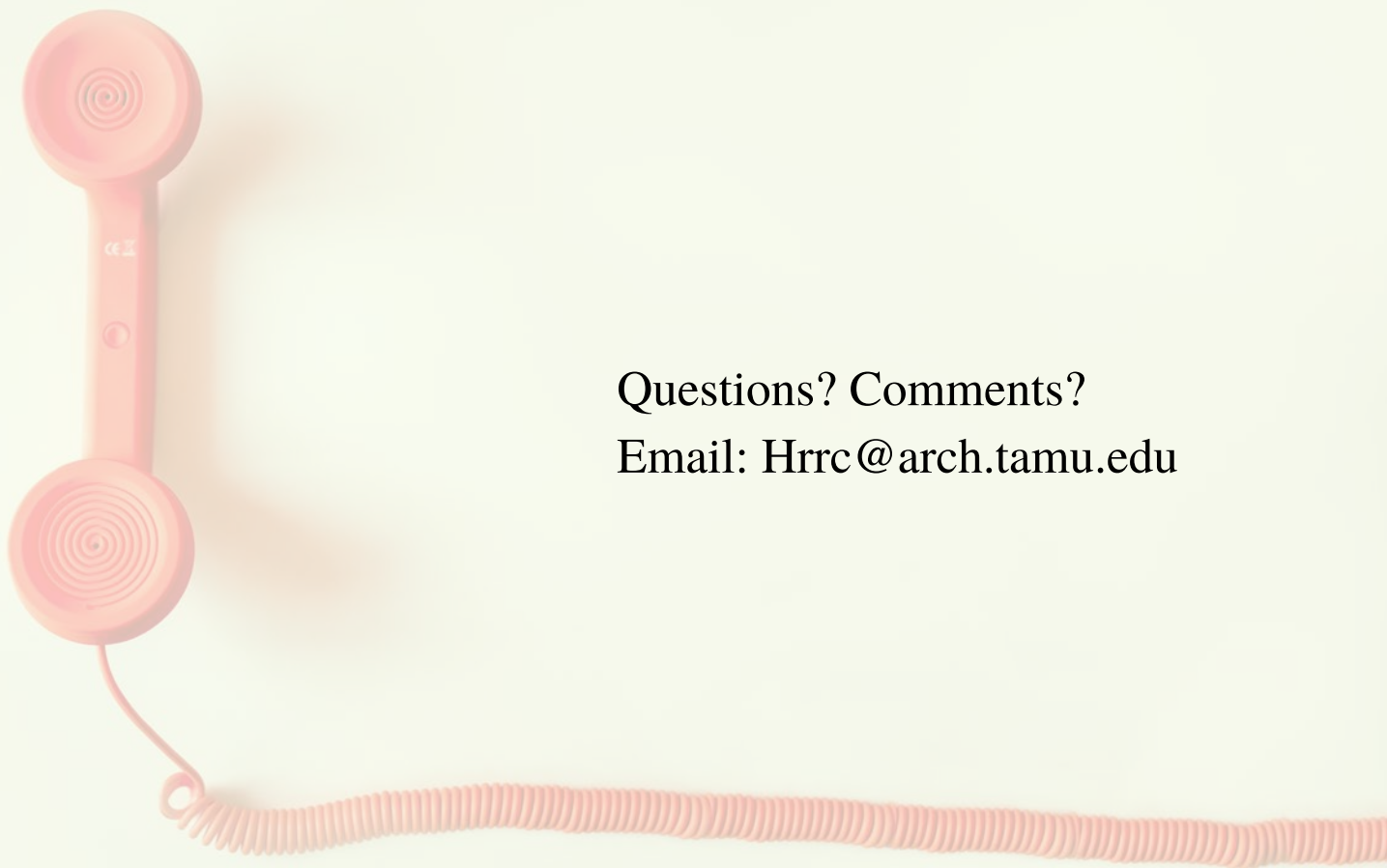
Dr. John Cooper is Assistant Vice President for Public Partnership & Outreach and acting Assistant Director of Institute for Sustainable Communities. Dr. Cooper's scholarship and practice focuses on participatory planning, particularly as it relates to increasing the extent to which communities can prepare for, survive, and recover from threats to their culture, environment, or economy. Dr. Cooper has served on several boards including the boards of directors for the Texas Rural Leadership Program (TRLP), the U.S. Endowment for Forestry and Communities and the Bill Anderson Fund. He is currently a member of the National Academies (NASEM) Board on Gulf Education and Engagement, the Advisory Board for the Department of Homeland Security Coastal Resilience Center of Excellence at the University of North Carolina (UNC), and serves as chair of the Advisory Board for the Center for Disaster Philanthropy (CDP).





Deidra Davis  
Assistant Dean for Equity and Inclusion  
College of Architecture  
Texas A&M University

Dr. Deidra D. Davis is an Instructional Assistant Professor in the Department of Landscape Architecture and Urban Planning, the Director of Equity and Inclusion for the Hazard Reduction & Recovery Center and the Assistant Dean for Diversity & Inclusion for College of Architecture at Texas A&M University. She received her PhD in Environmental Resources and Policy and her Master’s degree in Geography from Southern Illinois University Carbondale and a Bachelor of Science in Biology from Chicago State University. She has over eight years of teaching experience, has participated on various university and city government advisory committees, and engaged in countless opportunities mentoring students. Her research interests include issues of environmental justice, community engagement, public policy, and land use management. Specifically, Dr. Davis studies marginalized communities and their involvement in the environmental decision making process. Dr. Davis is knowledgeable, skilled in her field, and passionate about students’ success in higher education.



Questions? Comments?  
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