



From Sea Level Rise to Presidential Declared Disasters: Addressing Climate Resilience and Social Justice

Research Talk Summary

Global climate change is intensifying conditions where natural hazards (e.g., sea-level rise, flooding, and extreme weather events) can compound with non-climatic factors (e.g., infrastructure, land use, service accessibility) in threatening human well-being and social equity. The consequences of climate-related disasters can have cascading effects on social well-being and equity, including exacerbating vulnerabilities in the built environment. Natural hazards often disrupt many aspects of life and well-being in affected communities, including disruptions to essential accessibility and housing security. This effect can be particularly devastating for low-income and minority households in communities already experiencing a lack of resources and adaptive capacity. Advancing environmental solutions that ensure social justice is integral to combating the challenges and planning our way out of crises. In this presentation, Dr. Qian He will discuss her recent research projects examining how climate hazards, such as Sea Level Rise, and Presidential Declared Disasters (PDD), such as hurricane events, can exacerbate the existing social vulnerability among historically disadvantaged communities through built environment, urban infrastructure, and public policies.

This seminar series is co-organized by CHUD (Center for Housing & Urban Development), GeoSAT (Center for Geospatial Sciences, Applications and Technology), and TAMIDS-DAL (Design and Analytics Lab for Urban Artificial Intelligence @ Texas A&M Institute of Data Science).

Speaker's information



Dr. Qian He is a Postdoctoral Research Associate at the University of Maryland, College Park, Department of Civil and Environmental Engineering. She is an incoming Assistant Professor at Rowan University, Department of Geography, Planning, and Sustainability starting in Fall 2023. Qian received her Ph.D. in Urban Planning and Public Policy from the University of Texas at Arlington in May 2022. Informed by her background in urban planning and public policy, Qian applies advanced modeling and urban informatics techniques to examine how planning practice and government policies affect the well-being of historically disadvantaged communities such as the Black, Indigenous, and People of Color (BIPOC) communities facing natural and societal hazards.

Time: 10:00-10:30 a.m. US Central Time (Thursday, June 1st, 2023)

Zoom Meeting ID: 948 2151 1659 Passcode: 078610

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Host: Chunwu Zhu, Data Science Ambassador@TAMIDS, PhD student@LAUP, TAMU



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