

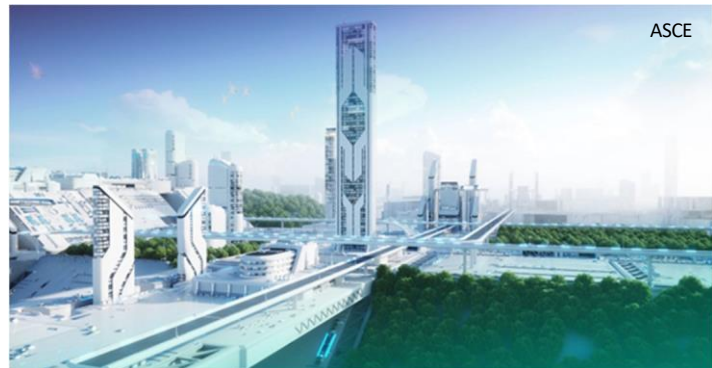
Workshop on Steering Cities and Regions towards Resilience and Equity

Rice University, The Kinder Institute for Urban Research, Texas A&M, UT San Antonio, Texas
Tech University
Kraft Hall, Room 130
School of Social Science, Rice University
December 15, 2022
8:00 AM - 1:30 PM
Houston, Texas

Registration: <https://forms.gle/19rKqbAVviQkZNM26>

Progress in technology and engineering, as well as shifting trends in policy and community wellbeing require us to find the best pathways to become a prosperous and safe megacity in the next generation.

In this workshop, we will discuss ongoing research and development from social science, humanities, architecture and engineering towards urban and rural resilience, with the greater Houston region as a testbed. We will also hear from institutional representatives and community stakeholders about their needs and challenges to realize such a resilient metropolis envisioned for future generations. The gaps we reveal between needs and capabilities will effectively steer policy and innovation for safe and equitable regions.



Agenda

8:00-8:45 **Breakfast and Registration**

8:45-9:00 **Opening Remarks.** Chair: L. Duenas-Osorio

Luay Nakhleh, Dean of Engineering, Rice University

Leonardo Duenas-Osorio, Professor, Civil and Env. Eng., Rice University

[Slides >](#)

9:00-10:15 **Session 1: Planning and Policy for Resilient Cities.** Co-Chairs: J. Padgett and L. Duenas-Osorio

9:00-9:15 Chuck Wemple, Executive Director, Houston-Galveston Area Council

"Pulling Together - The Importance of a Regional Approach to Resiliency and Equity"

- 9:15-9:30 Ed Emmett, Fellow in Energy and Transportation Policy, Baker Institute
"Formula for Resilience" [Slides >](#)
- 9:30-9:45 Carol Haddock, Director, Houston Public Works [Slides >](#)
- 9:45-10:00 Adrienne Holloway, Executive Director, Harris County Community Services
[Slides >](#)
- 10:00-10:15 Oliver Smith, Senior Consultant, Smith Professional Services
"Reliability & Resilience In The Balance: Challenges and Opportunities for Resilient and Equitable Cities of the Future" [Slides >](#)
- 10:15-10:45 Coffee Break**
- 10:45-Noon Session 2: Built Environment Research, Development, and Operation.** Co-Chairs: D. Potter and L. Duenas-Osorio
- 10:45-11:00 Jamie Padgett, Professor and Chair, Civil and Env. Engineering, Rice University
[Slides >](#)
- 11:00-11:15 Daniel Cohan, Associate Professor, Civil and Env. Engineering, Rice University
"Assessing the air and health impacts of electrification of vehicles and beyond" [Slides >](#)
- 11:15-11:30 Lagnesh Varshney, Managing Engineer, Transp. and Drainage, City of Houston
"Street and Drainage Rehabilitation (SDR) - Investment & Resilience" [Slides >](#)
- 11:30-11:45 Daniel Potter, Senior Director of Research, Kinder Institute for Urban Research
[Slides >](#)
- 11:45-12:00 Brian Mason, Executive Director, Houston TranStar
"Transportation and Emergency Management in Southeast Texas: A Government Consortium Serving the Public" [Slides >](#)
- Noon-1:30 Working Lunch: Trends and Project Elicitation.** Chair: L. Duenas-Osorio
- 12:00-1:00 Lunch and Ideas
- 1:00-1:20 Preview of Elicited Ideas
- 1:20-1:30 Closing Remarks