

Session 2D. Resilient and Sustainable Urban and Energy Systems I
Moderator: Youngjib Ham (Texas A&M University)

- 10:00** #155. Characterization of the Vulnerability of Road Networks to Flooding using Network Percolation Approach
Bahrulla Abdulla, Ali Mostafavi and Bjorn Birgisson
- 10:15** #133. Exploring the Effect of Data Granularity on Personalized Normative Messaging Interventions for Reducing Household Energy Consumption
Kwonsik Song, Kyle Anderson, Sanghyun Lee, Kaitlin Raimi and Sol Hart
- 10:30** #222. System-Based Vulnerability and Resilience Assessment in Mega-Scale Transportation Systems: Towards Data and Model-Driven Methodologies
Eyuphan Koc, Barbaros Cetiner, Lucio Soibelman and Ertugrul Taciroglu
- 10:45** #233. Mapping Local Vulnerabilities into a 3D City Model through Social Sensing and the CAVE system toward Digital Twin City
Jaeyoon Kim, Hongjo Kim and Youngjib Ham
- 11:00** #157. Spatial and temporal modeling of urban building energy usage using machine learning
Jonathan Roth, Aimee Bailey, Sonika Choudhary and Rishree Jain
- 11:15** #6. Evaluation of Post-wildfire Flood Impacts on Earth Dams: A Pareto Approach
Krishna Chaitanya Jagadeesh Simma, Vanessa Valentin and Susan M Bogus
- 11:30** #143. Formalizing an Integrated Multidisciplinary Decision-Making Methodology for Ranking Sustainable Infrastructure Designs
Bin Xue and Shan Li
- 11:45** #26. Machine Learning Applications in Facility Life-cycle Cost Analysis: A Review
Xinghua Gao, Pardis Pishdad-Bozorgi, Dennis Sheldenand Yuqing Hu