

USDOT Tier-1
University Transportation Center



Cooperative Mobility for
Competitive Megaregions

Summer Forum 2023

Mobility in Megaregions Research, Practice,
and Policy: Past, Present, and Future

May 18-19, 2023

Apex Rooftop, Hilton Garden Inn, 301 W 17th Street, Austin, TX 78701

RSVP: https://utexas.qualtrics.com/jfe/form/SV_exQvGyEab8XVnzM

Hosted by: The University of Texas at Austin

Welcome to Austin and the 2023 CM2 Summer Forum! We are so excited for you to join us as we hear from esteemed guests and colleagues, share CM2 research products, and connect with each other in person.

Should you need anything during the event, please reach out to any of the following contacts:

Dr. Ming Zhang, CM2 Director

- ZhangM@austin.utexas.edu
- 512-578-5440

Noah Pope & Rhys Rea-Tucker, CM2 Graduate Research Assistants

- cm2.gra@austin.utexas.edu
- 703-963-8645 (Rhys), 512-366-0840 (Noah)

Program

Day 1: Thursday, May 18th

Morning Session – Apex Rooftop (17th Floor)

- 8:30 - 9:00am **Registration**
- 9:00 - 10:00am **Opening** - *Moderated by Ming Zhang, CM2 Director, The University of Texas at Austin*
 Welcome Remarks: Dr. Michelle Addington, Dean, School of Architecture, The University of Texas at Austin
 CM2 Overview: Dr. Ming Zhang
- 10:00 - 12:15pm **Keynote Presentations** - *Moderated by Dr. Frederick Steiner, CM2, University of Pennsylvania*
 10:00am: Dr. Kingsley Haynes, George Mason University
 10:40am: Break
 10:55am: Dr. Evelyn Blumenberg, University of California, Los Angeles
 11:35am: Michael Morris, North Central Texas Council of Governments
- 12:15 - 1:30pm **Lunch and Group Photo (Apex Outdoor Rooftop)**

Afternoon Session – Apex Rooftop (17th Floor)

- 1:30 - 2:50pm **Keynote Presentations** - *Moderated by Dr. Brian Wolshon, CM2, Louisiana State University*
 1:30pm: Dr. Janille Smith-Colin, Southern Methodist University
 2:10pm: James Garland, Houston-Galveston Area Council
- 2:50 - 3:05pm **Break**
- 3:05 - 4:05pm **Thesis and Dissertation Award Recipient Oral Presentations**
- 4:05 - 5:05pm **Student Presentations from University of Pennsylvania** -
Moderated by Dr. Frederick Steiner
- 5:30 - 8:00pm **Networking Reception and Student Poster Display**

Day 2: Friday, May 19th

Morning Session – Apex Rooftop (17th Floor)

- 8:30 - 9:00am **Registration**
- 9:00 - 10:20am **Keynote Presentations** - *Moderated by Dr. Carol Lewis, CM2, Texas Southern University*
- 9:00am: Caroline Mays, Texas Department of Transportation
- 9:40am: Dr. Marlon Boarnet, University of Southern California, UTC Region-9 Director
- 10:20 - 11:00am **Open Discussion on Future Research, Education, and Collaboration** - *Moderated by Dr. Ming Zhang*
- 11:00 - 11:15am **Break**
- 11:15 - 11:45am **Vote for Best Poster Awards** - *Moderated by CM2 GRAs*
- 11:45 - 1:30pm **Thesis & Poster Award Lunch** - *Moderated by Dr. Ming Zhang*
- 1:30pm **Adjourn**

Bios

Welcome Remarks

Dr. Michelle Addington, *Dean & Henry M. Rockwell Chair Professor in Architecture, School of Architecture, The University of Texas at Austin*



Michelle Addington is dean of The University of Texas at Austin School of Architecture, where she holds the Henry M. Rockwell Chair in Architecture. Formerly, she served as Gerald Hines Chair in Sustainable Architectural Design at the Yale University School of Architecture and was jointly appointed as a Professor at the Yale University School of Forestry and Environmental Studies. Prior to teaching at Yale, she taught at the Harvard University Graduate School of Design, the Technical University of Munich, Temple University and Philadelphia University.

Originally educated as a mechanical/nuclear engineer, Addington worked for several years as an engineer at NASA/Goddard Space Flight Center and for E.I DuPont de Nemours before she studied architecture. Her teaching, research, and professional work span across these disciplines with the overarching objective of determining strategic intersections between the optimal domains of physical phenomena with the practical domains of spatial, geo-political, economic, and cultural systems. Her books, chapters, essays, journal papers, and articles address topics ranging from fluid mechanics to the History of Technology to smart materials, and she has consulted on projects as diverse as the Sistine Chapel and Amazon rain forest.

Addington received a B.S.M.E. from Tulane University, a B.Arch from Temple University, and M.Des.S. and Dr.Des degrees from Harvard University. She also holds an honorary M.A. from Yale University. In 2009, she was selected as one of the country's top ten faculty in architecture by Architect Magazine, and, in 2014, she was named as one of Connecticut's "Women of Innovation."

Day 1: Speakers

Dr. Kingsley E. Haynes, *Dean & Professor, Public Policy; Decision Sciences, Geography, and Public Affairs, George Mason University*



Dr. Haynes has been building academic programs for many years. Most recently he was founding Dean of the School of Public Policy (now the Schar School) at George Mason University. Dr. Haynes is active in the academic fields of Regional Science, Geography and Public Administration. His research focuses on regional economic development and the impact of public sector investments. He has authored over 400 books, refereed articles and professional reports. He has been an active participant in economic development activities in the United States, Malaysia, Brazil, Southeast Asia and the Middle East. His most recent funded research was on COVID-19.

Dr. Evelyn Blumenberg, *Professor, Urban Planning, University of California, Los Angeles*



Evelyn Blumenberg is a Professor of Urban Planning and Director of the Lewis Center for Regional Policy Studies in the Luskin School of Public Affairs at the University of California, Los Angeles. Her research examines transportation and economic outcomes for low-wage workers, and the role of planning and policy in addressing transportation disparities. Professor Blumenberg holds a bachelor's degree in political science from the University of California, Berkeley, and a master's degree and Ph.D. in urban planning from the University of California, Los Angeles.

Michael Morris, P.E., *Director of Transportation, North Central Texas Council of Governments*



Michael Morris is the department director in the Transportation Department of the North Central Texas Council of Governments, the Metropolitan Planning Organization for the Dallas-Fort Worth area. Mr. Morris received his Masters in Civil Engineering from State University of New York at Buffalo in 1979 and is a registered Professional Engineer in the State of Texas. He previously served as the Chairman of the Transportation Research Board Executive Committee and a National Associate of the National Academies.

Day 1: Speakers

Dr. Janille Smith-Colin, *Assistant Professor, Civil and Environmental Engineering, Southern Methodist University*



Dr. Janille Smith-Colin is the J. Lindsay Embrey Trustee Assistant Professor of Civil and Environmental Engineering at Southern Methodist University. Janille's research advances the cross-cutting themes of equity, sustainability, and resilience in civil infrastructure management, with a specific focus on transportation systems planning and analysis. The Smith-Colin Research Group focuses on (1) planning and designing socially sustainable and resilient infrastructure (2) equity-based analysis of multi-modal transportation systems, (3) transportation workforce development, and (4) integrating the principles of justice-equity-diversity-and inclusion into civil engineering education. Prior to her doctoral studies, Dr. Smith-Colin worked for a state Department of Transportation and in civil engineering consulting. At the state DOT, she worked in Intermodal Systems Planning supporting state DOT and MPO coordination and collaboration in the development of long-range transportation plans, transportation improvement programs, and other regional plans and projects. Dr. Smith-Colin is a member of the Transportation Research Board Standing Committee on Transportation Planning Analysis and Application (AEP15) and a former member of the Standing Committee on Transportation Planning Policy and Processes (AEP10). She is currently the co-chair of the Megaregions joint subcommittee of AEP10/AEP15. Dr. Smith-Colin is also a member of the conference planning committee for the TRB Innovations in Travel and Analysis and Planning conference planned for June 2023.

James Garland, *Assistant Director of Transportation, Houston-Galveston Area Council*



James Garland is Assistant Director of Transportation, Houston-Galveston Area Council, Texas, United States. He serves as the Deputy Director and Chief of Staff with accountability for all regional planning and programming of Federal and state transportation dollars for the Houston metropolitan area. James has more than 20 years of multi-modal planning experience related to policy development and implementation, Smart Cities, and more. Previously, James Garland was the Lead Transportation Specialist, Federal Highway Administration, where he managed the Planning Capacity Building Program in the Office of Planning, Environment, and Realty in Washington, DC. Prior to this, he managed the Strategic Highway Research Program (SHRP2) where he developed and implemented a \$25M research budget of transportation planning and environmental products. He was the New Starts Team Leader with the Federal Transit Administration Office of Planning, where he led the development of light rail and subway projects in Los Angeles, Seattle, San Diego, and Portland (OR). James holds a Master's Degree in Urban Planning from Columbia University in New York, and a Bachelor's Degree in Urban Studies and Public Policy from Dillard University in New Orleans. He also serves as a board member for the TRB Committee on Metropolitan Planning, Policy, and Process.

Day 2: Speakers

Dr. Caroline Mays, *Director of Planning and Modal Programs, Texas Department of Transportation*



Caroline Mays joined TxDOT in late 2012 and has held several positions including, Statewide Freight Coordinator, Freight Planning Branch Manager, Director of Freight, and International Trade/Border Section, Director of Freight, Trade and Connectivity, and currently serves as the Director of Planning and Modal Programs. Ms. Mays holds a Bachelor's degree in urban and Regional Planning from the University of Waterloo, Canada and a Master's degree of Science in Planning from the University of Toronto, Canada.

Marlon Boarnet, *Professor and Director of METRANS Transportation Center University of Southern California*



Marlon Boarnet is Professor in the Sol Price School of Public Policy at the University of Southern California and Director of the METRANS Transportation Consortium. METRANS is the center for transportation research at USC, and a partnership of the Price School of Public Policy, the Viterbi School of Engineering, and California State University – Long Beach. Boarnet's research focuses on land use and transportation, links between land use and travel behavior and associated implications for public health and greenhouse gas emissions, urban growth patterns, and the economic impacts of transportation.

CM2 Executive Committee

Dr. Bumseok Chun, *Associate Professor, Urban Planning & Environmental Policy, Texas Southern University*



Bumseok Chun is an associate professor in the Department of Urban Planning and Environmental Policy focusing on urban analytics for using spatial big data relevant to coupled human-environment systems and statistical simulations by spatial econometrics and machine learning techniques. He received a Ph.D. degree in City and Regional Planning at Ohio State and a post-doctoral fellowship in the Center for Geographic Information Systems at Georgia Tech. Recently, Dr. Chun has participated in the Tier 1 UTC project granted by the U.S. Department of Transportation as an executive committee.

Dr. Erick Guerra, *Associate Professor & Associate Chair, City & Regional Planning University of Pennsylvania*



Erick Guerra, Ph.D., is Associate Professor and Associate Chair of City and Regional Planning at the University of Pennsylvania, where he teaches courses in transportation planning and quantitative planning methods. His research focuses on relationships between land use, transportation systems, and travel behavior with an emphasis on rapidly motorizing cities, public health outcomes, and transportation technologies. He has published recent articles on land use and transportation in Mexico and Indonesia, public transport policy, land use and traffic safety, and contemporary planning for self-driving vehicles.

Lisa Loftus-Otway, *Research Scientist, Center for Transportation Research, University of Texas at Austin*



Lisa Loftus-Otway is a research scientist at CTR, and Registered Attorney and Counselor-at-Law. Ms. Loftus-Otway's research focuses in the areas of transportation law, policy and planning, megaregions, environmental policy and environmental justice, connected and automated vehicles, surface freight analysis and freight land use, and corridor planning. In 2020 she was part of a team that won the Transportation Research Board's 2019 John C Vance Award for Best Legal Research Paper. Ms. Loftus-Otway has worked for clients including USDOT, FHWA, FRA, TRB, TxDOT, City of Austin and Texas DPS.

CM2 Executive Committee

Dr. Carol Lewis, *Professor, Transportation Studies, Texas Southern University*



Carol Abel Lewis, Ph.D. is a Professor in Transportation Studies and Emeritus Director of the Center for Transportation Training and Research at TSU. She is responsible for educating students in fundamentals of transportation and urban transportation issues, as well as conducting operational and policy related transportation research. Current research focuses on automated vehicles for public transportation, purpose and need for vulnerable populations in megaregions, transit supportive development, bus operations on managed lanes and best practice in public involvement. Since joining TSU, Lewis has conducted research for the USDOT, Texas Department of Transportation, Metropolitan Transit Authority of Harris County, metropolitan planning organizations (Houston-Galveston Area Council (H-GAC) and North Central Texas Council of Governments) and with private transportation consultants. She served as Principal Investigator for the DHS National Transportation Security Center of Excellence. She accepted appointment to the TRB Executive Committee, chairs their Inclusion & Diversity Committee and is a member of the Transit Research Advisory Committee (TRAC). Lewis currently serves as chair of the Gulf Coast Rail District nominated by Houston Mayor and Harris County Judge & Commissioner's Court. She is a member of the Houston area Transportation Advocacy Group. Lewis is a member of H-GAC's Transportation Policy Council and Transportation Advisory Committee. She is honored to have received the Rosa Parks Diversity Leadership Award from the Houston Chapter of WTS and the TRB Sharon D. Banks Humanitarian Award. Her Ph.D. is from the University of Houston and master's and bachelor's degrees from the University of Iowa.

Dr. Sandi Rosenbloom, *Professor, Community & Regional Planning, University of Texas at Austin*



Dr. Sandi Rosenbloom is a professor of Community and Regional Planning at the University of Texas at Austin and Director of the Lab for Safe and Healthy Aging. She teaches classes in transportation planning and finance, women's transportation patterns, and the mobility needs of older travelers.

Dr. Frederick Steiner, *Dean & Professor, Stuart Weitzman School of Design, University of Pennsylvania*



Frederick Steiner is dean and Paley Professor, and co-executive director of The Ian L. McHarg Center for Urbanism and Ecology at the University of Pennsylvania Stuart Weitzman School of Design. He served for 15 years as dean of the School of Architecture and Henry M. Rockwell Chair in Architecture at The University of Texas at Austin, having taught at Arizona State University, Washington State University, the University of Colorado at Denver, and Tsinghua University. Dr. Steiner has written, edited, or co-edited 22 books, including *Megaregions* and *America's Future* (with Bob Yaro and Ming Zhang, Lincoln Institute of Land Policy, March 2022).

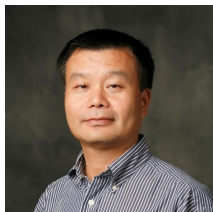
CM2 Executive Committee

Dr. Brian Wolshon, *Professor, Civil Engineering, Louisiana State University*



Brian Wolshon, Ph.D., P.E., PTOE is the Edward A. and Karen Wax Schmitt Distinguished Professor of Civil Engineering at Louisiana State University and the founder and Director of the Gulf Coast Research Center for Evacuation and Transportation Resiliency. His research focuses on the design, operation, and management of transportation systems for emergency and major event conditions. In 2001, Dr. Wolshon founded the Transportation Research Board of the National Academies Committee on Emergency Evacuation and for 17 years served as its Chair. He has been appointed as a Visiting Professor and Researcher at Beihang University (China); the University of Hawaii; the University of New South Wales (Australia); the Sandia National Laboratories; and the Los Alamos National Laboratory (LANL). He has authored hundreds of books, book chapters, journal papers, and reports including numerous seminal works related to evacuation planning and engineering. He has also served as an expert consultant to federal, state, and local government agencies; national laboratories; and engineering firms throughout the United States and has been interviewed by hundreds of television, radio, and print media throughout the world.

Dr. Ming Zhang, *Professor, Community & Regional Planning, University of Texas at Austin*



Dr. Ming Zhang is a Professor and the Program Director of Community and Regional Planning in the School of Architecture at the University of Texas at Austin. Prior to joining UT Austin, Dr. Zhang held several academic and professional positions, including tenure-track Assistant Professor at Texas A&M University, Research Scientist at the Rockefeller Institute of Government in Albany, New York, and Lecturer and licensed Planner/Architect at the Huazhong (Central China) University of Science & Technology, Wuhan, China. Dr. Zhang's research and teaching interests include urban and regional planning (transportation), the relationship between the built environment and travel behavior, economic and equity impacts of transportation investments, and international planning issues. His recent research has focused on megaregional transportation issues, Transit-Oriented Development, and high-speed rail and urban spatial development. Dr. Zhang is the Director of the University Transportation Center (UTC) Cooperative Mobility for Competitive Megaregions (CM2) granted by the U.S. Department of Transportation.

Notes

Venue & Parking Information

Venue: The Hilton Garden Inn, Austin University Capitol District (301 W 17th Street, Austin, TX 78701). All events will be taking place on the Apex rooftop on the 17th floor.



Getting Here:

Parking

- Self parking is not available at the Hilton Inn, but valet parking is available for \$22.00 for day parking and \$49.00 for overnight parking.
- Daily Parking
 - Rowling Hall Pay Garage (1907 Guadalupe St) **(suggested)**
 - Dobie Twenty21 Parking Garage (2005 Whitis Ave)
 - Paid street parking is limited near the hotel

Transit

- The 20, 801, and 803 high frequency routes, and the 1, 3, 18, and 30 routes serve bus stops close to the Hilton Garden Inn. Find more information about fares and schedules at CapMetro.org.

Micro-mobility

- Capital MetroBike and other app-based scooters are dispersed throughout downtown.

Locations of Interest

What's nearby

ACL Live at The Moody Theater:	1.10 miles
Alamo Draft House Theaters:	2.80 miles
Antone's Nightclub:	1.10 miles
Austin 6th Street:	1.40 miles
Austin Central Library:	1.60 miles
Austin Overtures Sightseeing Tours:	1.40 miles



CM2 Poster Award Info

On the final day of the Summer Forum, attendees will have the opportunity to vote for poster submissions that will be displayed in the hallway outside HGI's Apex Room. These posters will be available for viewing throughout the event, including during the evening reception on Thursday, May 18th. Three categories of awards will be distributed. Each category awards the top two posters, with each award receiving a certificate and a \$500 student scholarship. To vote, simply complete the submission form included in your attendee notebook, and submit during the appropriate window on Friday morning. The three award categories are described below.

#1- *The Most Equitable Project Award*

The "Most Equitable Project Award" celebrates CM2 student posters that prioritize diversity, inclusion, and equal access to transportation resources. The winning project demonstrates innovative strategies for integrating equity into cooperative mobility solutions, promoting a just and equitable society. This award inspires the next generation of transportation leaders to make equity a central pillar of their work.

#2- *Most Innovative Project Award*

The "Most Innovative Project Award" celebrates CM2 student poster submissions that offer creative and original solutions to transportation challenges. This award recognizes projects that use new technologies or present unique perspectives on existing transportation systems. The winning project showcases ingenuity, contributing to the advancement of the transportation field, and inspires students to think outside the box.

#3- *Most Impactful Planning Practice Award*

The "Most Impactful Planning Practice Award" recognizes CM2 student poster submissions that propose practical and effective transportation solutions. The winning project demonstrates a comprehensive and evidence-based approach to planning that addresses social, economic, and environmental issues, that are directly applicable to practitioners within the field.

Notes