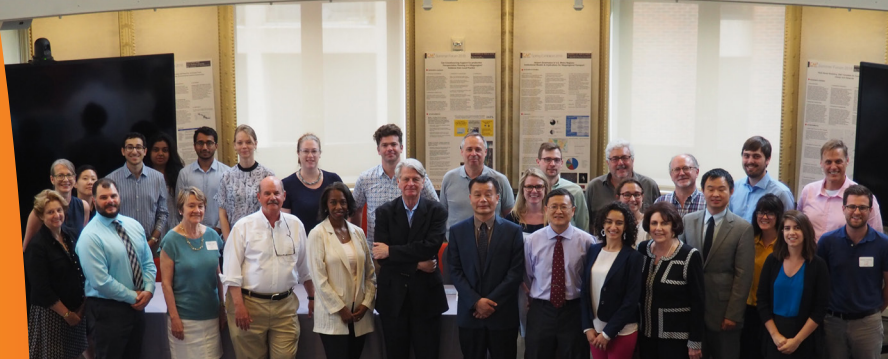




CM²

Cooperative Mobility for
Competitive Megaregions

USDOT Tier 1
University Transportation Center



Our Vision

The CM² consortium will build legal, governmental, technical, and analytical frameworks for megaregion transportation planning. Our center supports research that establishes a legal framework for cooperative megaregion transportation planning; develops analytical framework targeting passenger and freight mobility improvement in megaregions; capitalizes access-enabling spatial strategies; promotes equity for elderly and rural populations in and around the megaregion; creates

environmental justice metrics in the megaregion context; improves public participation at the megaregional scale; optimizes multi-modality and inter-modality; and develops a GIS-based planning support system for cooperative mobility in megaregions.

Our research follows priorities defined by the FAST Act of 2015. The megaregion framework of cooperative mobility will help turn the challenges of tomorrow in megaregions into the opportunities of today for their constituents.

megaregion innovative research planning transportation

TRAINING THE NEXT GENERATION

At CM² we recognize that we're training the next generation of transportation planners, engineers, and researchers. The CM² Consortium collectively offers 7 accredited masters and doctoral degree programs in transportation-related fields. In addition to our degree programs, the Consortium strives to enhance the educational experience of our students and research assistants through a variety of initiatives, including guest lectures, monthly brown bag lunch discussions, and supporting students with their capstone thesis/professional report. CM² student researcher accomplishments include:

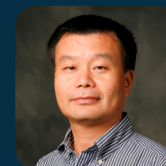
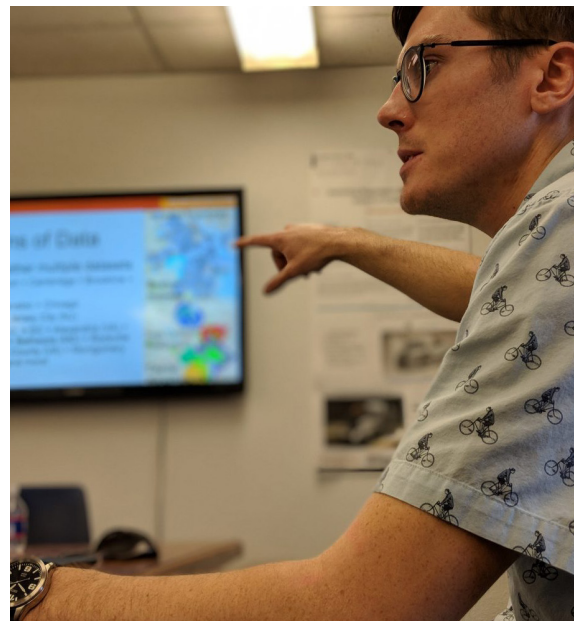
- **Dwight D. Eisenhower Transportation Fellowship:** Greg Griffin, Ph.D. in Community and Regional Planning at UT Austin
- **Eno Fellow, 2018 Transportation Leadership Development Conference:** Paulina Urbanowicz, M.S. in Community and Regional Planning at UT Austin

We also strive to instill passion for transportation-related careers among the local youth in our respective communities. Through our connections with organizations such as WTS, GirlStart, and REHAMS at LSU, our researchers help organize transportation-related educational events for elementary, middle, and high school aged students.



CM² HISTORY

In December of 2016, the United States Department of Transportation (USDOT) awarded The University of Texas at Austin a five-year grant to lead a consortium under the University Transportation Centers (UTC) program. Each UTC is a consortium of two- and four-year colleges and universities that come together to form a unique center of transportation excellence on a specific research topic. CM²'s consortium partners include The University of Texas at Austin, Louisiana State University, Texas Southern University, and the University of Pennsylvania, with affiliates at Cornell University and Rutgers University.



DR. MING ZHANG
Director



INESSA ACH
Assistant Director for Administration



LISA LOFTUS-OTWAY
Assistant Director for Research



WEBSITE

Our website is the main source of information about our center. Learn all about our research, initiatives, and events here:
sites.utexas.edu/cm2/



LINKEDIN

Follow our company page on LinkedIn "Cooperative Mobility for Competitive Megaregions (CM2)"



TWITTER

For the latest updates, follow us on Twitter
[@UTC_CM2](https://twitter.com/UTC_CM2)

TECHNOLOGY TRANSFER

Technology transfer is an essential element of our consortium's work in order to move research into practice. Whether through the Center for Sustainable Development or the Center for Transportation Research (UT-Austin), the Center for Transportation Training and Research (TSU), the Gulf Coast Center for Evacuation and Transportation Resiliency (LSU), or the Penn Institute for Urban Research, each university has developed contacts and mechanisms to efficiently disseminate the results of their research. Research results are disseminated to the wider public through a number of ways:

- Peer-reviewed publications
- Presentations at annual conferences
- Workshops with federal & state transportation agencies & MPOs
- Webinars & seminars
- Website news articles and social media

A SELECTION OF CM² RESEARCH PROJECTS

- Megaregion (MR) Freight Mobility: Impact of Truck Technologies, Robert Harrison (UT Austin)
- Assessing Changes to Federal and State Law for Megaregion Planning, Lisa Loftus-Otway (UT Austin)
- Regional Opportunities and Challenges for Transit Oriented Development: The Case of Texas Triangle, Dr. Ming Zhang (UT Austin)
- The Effect of Shadow Evacuation in Megaregion Disasters: A Pilot Study, Dr. Brian Wolshon (LSU)
- Megaregion Truck Flow Estimation Model, Dr. Qisheng Pan (TSU)
- Equitable access to transit within and across mega-regions, Dr. Vincent Reina (Penn)
- Creating a Framework to Determine Purpose and Need for Increased Travel Options in the Megaregion for Vulnerable (Environmental Justice) Communities, Dr. Carol Lewis (TSU)
- The Evolving Role of Metropolitan Planning Organizations on Intra and Inter-Regional Transportation, Land Use and Access Policies and Outcomes, Dr. Michael Oden (UT Austin)
- Using Technological Innovations Across the Megaregion to Enhance the Mobility and Access of Seniors, Dr. Sandra Rosenbloom (UT Austin)
- Airport Governance in U.S. Metro Regions: Institutional Models and their Implications for Megaregional Transport, Dr. Gian-Claudia Sciara and Dr. Megan Rhyerson (UT Austin/Penn)
- Transit Deserts USA: Lessons from 52 Cities, Dr. Junfeng Jiao (UT Austin); *Winner of 2017 CM² Best Equity Project Award*
- Mobilizing Investment in America's Transportation Infrastructure, Marilyn Taylor and Dr. Robert Yaro (Penn); *Winner of 2017 CM² Best Inter-Disciplinary Project Award*
- A Transportation Capital Investment and Evaluation Simulation Model for the Northeast Megaregion, Dr. John Landis (Penn); *Winner of 2017 CM² Most Innovative Project Award*

SUPPORT PARTNER PROGRAM

Our Support Partner Program helps support CM² research, student scholarship, and workforce development. The success of our program and continued funding from U.S. DOT critically relies on industry support, interaction, and knowledge from our Support Partners of all levels. Thank you to our current support partners:



JONES | CARTER



COX | McLAIN
Environmental Consulting

CM² is actively seeking to grow our network of industry, agency, and research partners. If you are interested in partnering with us, please contact us.

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