



Overview:

The Center for MultiModal Mobility (CMMM) at the University of Maryland (UMD) is a U.S. Department of Transportation (USDOT) funded research center dedicated to improving the mobility of people and goods. CMMM supports a broad portfolio of research initiatives aimed at reducing congestion and addressing transportation access. Its work spans travel behavior modeling, the integration of autonomous and unmanned vehicles, innovative congestion-reduction strategies, and the evaluation of alternative mobility options such as rideshare, microtransit, and vanpooling. The center also explores infrastructure-based solutions, project finance innovations, and technical assistance to stakeholders, ensuring that research outcomes have practical applications for industry, government, and communities.

CMMM actively promotes collaboration and professional development through multi-university partnerships, advisory board engagement, educational seminars, and outreach programs for K–12 and university students. Events such as the Generative AI in Transportation workshop and the CMMM Transportation Summer Camps supported career development efforts and tech transfer by providing a platform for interdisciplinary knowledge-sharing and hands-on learning. Its initiatives, including more than 30 funded research projects, not only advance scientific understanding and technology transfer but also prepare the next generation of transportation professionals, equipping students and researchers with the skills to tackle complex mobility challenges and contribute to data-driven transportation

Highlights:

- 30+ funded research projects spanning mobility, congestion, AVs, and microtransit
- Stakeholders & Partners:
 - University Consortium: University of Maryland (lead), Morgan State University, San Jose State University, North Dakota State University, White Earth Tribal & Community College
 - SHA, MDOT, USDOT
 - Transurban, Rekor-AI, and EurekaFacts
- Events & Outreach:
 - Recurring educational seminars and workshops
 - Generative AI in Transportation Workshop with 120+ participants from academia, industry, and government
 - CMMM Transportation Summer Camps: Hands-on summer camps for middle and high school students teaching robotics, programming, and transportation concepts