



Panelist Information



[Raed Al Kontar](#)

Assistant professor
Industrial & Operations Engineering (IOE)
University of Michigan

Raed Al Kontar is an assistant professor in the Industrial & Operations Engineering department at the University of Michigan and an affiliate with the Michigan Institute for Data Science. Raed's research focuses on collaborative, distributed, and decentralized data science. Raed obtained an undergraduate degree in civil & environmental engineering and mathematics from the American University of Beirut in 2014 and, a master's degree in statistics in 2017 and a Ph.D. degree in Industrial & System Engineering in 2018, both from the University of Wisconsin-Madison. Raed's research is currently supported by NSF, including a 2022 CAREER award, NIH, NLM, and various industry collaborators.

[Neda Masoud](#)

Associate Professor
Department of Civil and Environmental Engineering
University of Michigan



Neda Masoud is an Associate Professor of Civil and Environmental Engineering at the University of Michigan. She holds a Bachelor of Science Degree in Industrial Engineering and a Master of Science degree in Physics. She received her PhD in Civil and Environmental Engineering from the University of California Irvine. She is dedicated to developing operational and planning tools that streamline the evolution toward the next generation of mobility systems, which are envisioned to be connected, automated, electrified, and shared, reflecting the forefront of transportation advancements. She is a 2021 NSF CAREER Award recipient and a Cambridge Systematics New Faculty awardee by the Council of University Transportation Centers. She is an Editorial Board Editor for Transportation Research Part B, an Associate Editor for Transportation Science, and a member of the Editorial Advisory Board for Transportation Research Part C.



Miles Thompson

AI Assurance Solutions Lead
The MITRE Corporation

Miles has 18 years of experience in AI assurance, focused on the verification, validation, and testing of AI in uncrewed autonomous vehicle systems. At MITRE, Miles has led and grown the AI assurance work in our direct work program and cross-pollinates best practices across sectors. He has also been a Principal Investigator on several MIP projects related to AI assurance. Miles contributes to standards, and recently was the draft lead on UL4600-2 (Safety Case guide for Autonomous Trucking). Previously, he was the autonomous driving validation lead at General Motors where he ensured verification and validation of the Cruise Automation self-driving cars. Before that, he conducted research on the test and evaluation of autonomous military surface vessels, ground vehicles, and swarms of aircraft at Georgia Tech Research Institute as a senior research engineer.



Joseph Kolly

Director, Integrated Systems Innovation Center

The MITRE Corporation

Joseph Kolly, Ph.D., is the director of the Integrated Systems Innovation Center, overseeing MITRE's multimodal transportation research portfolio and the work of several transportation-related departments and laboratories, including MITRE's Driver Research for Intelligent Vehicles and Environments (DRIVE) laboratory. Prior to MITRE, he was the inaugural chief safety scientist at the National Highway Traffic Safety Administration (NHTSA), focusing on automated vehicles and safety data analysis, and spent 18 years at the National Transportation Safety Board (NTSB), eventually becoming the director of the Office of Research and Engineering. Before NTSB, he was a senior research scientist at Calspan/University at Buffalo Research Center. He holds a Ph.D. and a B.S. in mechanical engineering from the State University of New York at Buffalo and Binghamton, respectively.



[Henry Liu](#)

Bruce D. Greenshields Collegiate Professor of Engineering and
Director
Mcity, University of Michigan

Dr. Henry Liu is the Bruce D. Greenshields Collegiate Professor of Engineering and the Director of Mcity at the University of Michigan, Ann Arbor. He is a Professor of Civil and Environmental Engineering, a Professor of Mechanical Engineering, and a Research Professor at the University of Michigan Transportation Research Institute. He also directs the Center for Connected and Automated Transportation, a USDOT funded regional university transportation center. Dr. Liu conducts interdisciplinary research at the interface of transportation engineering, automotive engineering, and artificial intelligence. He is recognized for his foundational work in cyber-physical transportation systems, particularly on the development of smart traffic signal systems with connected vehicles, and testing/evaluation of autonomous vehicles. He has published more than 140 refereed journal articles. His work on safety validation of autonomous vehicles has been published in Nature and featured as the

cover story. He has also appeared on a number of media outlets including Wall Street Journal, Forbes, Science Daily, Tech Xplore, CNBC, WXYZ, etc. for transportation innovations. Prof. Liu is the managing editor of Journal of Intelligent Transportation Systems and a board member for the ITS America and IEEE ITS Society.

Chris Marsh

System Test Engineer
Aurora Innovation



Chris Marsh graduated from the United States Naval Academy in 2007 with a Systems Engineering degree and earned a Masters of Science in Aerospace Engineering from Georgia Tech in 2009. Upon graduation, he served in the United States Navy as a helicopter pilot flying the MH-60R Seahawk from aircraft carriers in support of Operation Enduring Freedom. He was selected to the 2015 rotary wing class of Empire Test Pilot School and served as a developmental test pilot for four years at NAS Patuxent River, MD with test experience across the Navy and Presidential helicopter fleets including shipboard landings, avionics, and weapon systems. Chris departed the Navy in 2019 with over 1300 flight hours across 40 aircraft types. Chris has worked in the autonomous vehicle industry for the past four and a half years in various systems engineering and test roles developing Level 4 passenger vehicles and Class 8 trucks. Currently, Chris leads the System Test organization at Aurora Innovation and lives in Pittsburgh, PA.



Mark R. Rosekind

Former NHTSA Administrator
NTSB Member
NASA Scientist

Mark R. Rosekind, Ph.D., served as the Chief Safety Innovation Officer at Zoox, an Amazon-owned autonomous mobility company from 2017-2022. He was appointed the Distinguished Policy Scholar in the Department of Health Policy and Management at the Johns Hopkins Bloomberg School of Public Health for 2020-2022. Previously, Dr. Rosekind was

appointed by President Obama, and confirmed by the U.S. Senate, to be the 15th Administrator of the National Highway Traffic Safety Administration (NHTSA), serving from 2014 to 2017. Before becoming NHTSA Administrator, Dr. Rosekind was appointed by President Obama, and confirmed by the U.S. Senate, and served as the 40th member of the National Transportation Safety Board (NTSB) from 2010 to 2014. Prior to his appointment to the NTSB, Dr. Rosekind founded Alertness Solutions, a scientific consulting firm that specialized in fatigue management, and served as the company's first president and chief scientist. He previously directed the Fatigue Countermeasures Program at the NASA Ames Research Center and was chief of the Aviation Operations Branch in the Flight Management and Human Factors Division. He launched his professional career as the director of the Center for Human Sleep Research at the Stanford University Sleep Disorders and Research Center.

Dr. Rosekind is an internationally recognized expert on human fatigue. His work has been widely published, and his awards include the NASA Exceptional Service Medal and six other NASA group/team awards; the Lifetime Achievement Award from the National Sleep Foundation; the Mark O. Hatfield Award for Public Policy from the American Academy of Sleep Medicine; and Fellow of the World Economic Forum in Davos, Switzerland. Dr. Rosekind earned his A.B. with honors from Stanford University, his M.S., M.Phil., and Ph.D. from Yale University, and completed a postdoctoral fellowship at the Brown University Medical School.