



TRANSPORTATION SPEAKER SERIES



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TRANSPORTATION PROGRAM
COORDINATOR, University of Tennessee,
Knoxville**

THURSDAY 11 AM | MASON BDG 1133

“THE ROLE OF CONNECTED AND AUTOMATED VEHICLES: HOW CAN URBAN AREAS USE THE DATA THEY CREATE?”

ABSTRACT: With increasing attention focused on connected and automated vehicles, this presentation will discuss the opportunities and challenges for their development and deployment. How can they transform various processes in the transportation system, especially through the data they generate? Will they have a profound impact on mobility, safety and the environment? We will present a framework for analysis and demonstrate the use of modeling and simulation techniques. We will discuss work undertaken in a National Science Foundation sponsored study on how higher driving volatility, e.g., hard accelerations or hard braking relates to mobility, safety and the environment. The implications of our analysis for travel behavior changes, future vehicle use, and transportation system performance will be discussed.

BIO: Dr. Asad J. Khattak is Beaman Professor of Civil & Environmental Engineering, University of Tennessee, Knoxville and Transportation Program Coordinator in the Department. He is affiliated with the UT Center for Transportation Research, where he works on projects related to the Southeastern Transportation Center and NURail University Transportation Center. He has established the Initiative for Sustainable Mobility, a campus-wide organized research unit. Dr. Khattak's research focuses on various types of innovations related to intelligent transportation systems, transportation safety, and sustainable transportation. Dr. Khattak received his Masters and Ph.D. degrees in Civil Engineering from Northwestern University in 1988 and 1991, respectively. Dr. Khattak is: 1) Editor of Science Citation Indexed Journal of Intelligent Transportation Systems, with a 2-year impact factor of 1.377 in 2014. 2) Associate Editor of SCI-indexed International Journal of Sustainable Transportation (IF = 2.548).

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