



TransTech Talk Series # 34



EMERGING ECONOMETRIC MODELING APPROACHES FOR TRAVEL BEHAVIOR MODELING

Dr. Naveen Eluru

Professor, Department of Civil, Environmental and Construction Engineering, University of Central Florida

14-May-2026, Thursday | 03:00 PM - 04:00 PM (IST)

Join from the meeting link

<https://tinyurl.com/Trans-Tech-34>



ABOUT THE TALK :

Prof. Naveen Eluru will provide an overview of econometric modeling frameworks that have been formulated and studied in his research group for different transportation applications. The talk will discuss the value of customized econometric model development to leverage the inherent data generation process of the dependent variables with application to continuous and discrete variables. The applications discussed in the talk will span different transportation domains (travel demand modeling, safety analysis, data analytics, emerging mobility analysis, energy modeling, and traffic engineering) and interdisciplinary fields (emissions, mobility trajectories, climate change and energy demand modeling).

ABOUT THE SPEAKER :

Naveen Eluru is a Professor and Graduate Program Director in the Department of Civil, Environmental and Construction Engineering at the University of Central Florida. He employs quantitative analysis approaches, drawing on his expertise in econometric modeling, optimization, and micro-simulation techniques to understand the contribution of transportation systems to our communities' mobility, energy consumption, resilience, and environment. He has supervised more than 20 PhD students till date in his academic tenure. His research has received funding from National Science Foundation, Federal Highway Administration, National Cooperative Highway Research Program, US Department of Transportation, Canadian Institute of Health Research, and Disney. He has published more than 175 journal articles in premier journals such as *Accident Analysis and Prevention*, *Analytic Methods in Accident Research*, *Energy and Buildings*, *Transportation Research Part A to F*, and *Transportation*. His work has been widely cited (Google Scholar citations of 12,700 and h-index of 57) and has received several paper awards from multiple Transportation Research Board Committees.