

REAL TIME SIMULATION OF LARGE URBAN NETWORKS: LEVERAGING BIG TRANSPORT DATA

Prof. Ashish Bhaskar

Friday, February 09, 2024 | 03:00 pm - 04:00 pm (IST)

Join from the meeting link
<http://tinyurl.com/Trans-Tech-13>



ABOUT THE TALK :

In this expert talk, Prof. Bhaskar will present the conceptual framework for real time simulation of large urban networks and its capabilities towards decision support system. Specifically, the talk will focus on the issues and challenges with demand calibration and how big transport data can address some of the challenges. Case studies on implementation of live simulation and decision support from Australia will also be presented.

ABOUT THE SPEAKER :

Ashish Bhaskar is a Professor in School of Civil and Environmental Engineering, Queensland University of Technology, Brisbane, Australia. He is a chief investigator for QUT, Centre for Data Science, where he also co-leads Business and Engineering Systems research domain. His expertise includes transport big data analytics, modelling, simulation, and control. The focus of his current research is on addressing the sustainable transport and mobility challenges including road traffic congestion, safety, and their detrimental socioeconomic and environmental impacts. Together, with his team of researchers and collaborators from government, industry, and academia, he is working towards evidence-based decisions support, management, and control of multimodal transport system.

He holds a PhD in Intelligent Transport Systems from Swiss Federal Institute of Technology (EPFL), Lausanne, Switzerland, Masters in Transport Engineering from the University of Tokyo, Japan, and a Bachelor of Technology (BTech) degree in Civil Engineering from the Indian Institute of Technology (IIT), Kanpur. He is the chair for the World Conference on Transport Research Society (WCTRS) SIG-C3 on Intelligent Transport Systems; the editorial board member for the Journal of Big data Analytics in Transport, and the International Journal of Intelligent Transport Systems Research; member of the Transport Research Board (TRB) standing committee on Transit Management and Performance; and adjunct faculty at Indian Institute of Technology (IIT) Madras, India.