

Understanding and Harnessing linkages between Sustainable Transport and Livability for Building “Brand Bengaluru”

By

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Abstract

“Brand Bengaluru”, which is an initiative of Govt. of Karnataka (GoK), has been a point of focus and public discussion in recent times. The larger question to debate and answer is, what should be the development goal of such initiative for Bengaluru. Shouldn’t it be “Sustainable and Livable Bengaluru”? If that is so then it is important to understand, what mobility interventions would contribute to this goal and by how much? Will it be projects like; signal free road corridors, double decker road corridors, tunnel roads etc., which are car-centric and have been the focus of GoK’s proposed interventions under “Brand Bengaluru”, or will it be projects like; a dense mass rapid transit system (MRTS) network, bus priority corridors, active mobility infrastructure etc. This presentation will help understand what interventions will harness the linkages of sustainable transport and livability, through various research studies carried out at IISc Sustainable Transportation Lab (IST Lab.), to achieve a true and holistic vision of “Brand Bengaluru” as “Sustainable and Livable Bengaluru”.

About the Speaker



Prof. Ashish Verma has been the Convenor of “IISc Sustainable Transportation Lab. (IST Lab.)” for last more than 15 years. He is Ph.D. from IIT Bombay and is currently serving as a Professor of Transportation Systems Engg. at Dept. of Civil Engg, Indian Institute of Science (IISc), Bangalore, India. Further, he was a Visiting Professor at ITMO University, Saint Petersburg, Russia during 2016 and a Visiting Fellow at Queensland University of Technology (QUT), Brisbane, Australia during 2019. Before joining IISc, he has served in IIT Guwahati, and Mumbai

Metropolitan Region Development Authority (MMRDA). His research interests are in: sustainable transportation planning & policy; integrated public transport planning and management; non-motorized transport (NMT); transport & Livability/Quality of Life (QoL); transport & climate change; disaster resilient transport; modeling, optimization and simulation of transportation systems; travel behavior analysis and modeling; pedestrian and crowd flow modeling; driver behaviour and road safety; intelligent transportation system (ITS); traffic control & management etc.

He has authored more than 280 research publications, including more than 110 journal publications, in the area of transportation systems engineering. He also has a patent and a software copyright to his credit. He is the founding Editor-in Chief (EiC) of the journal “Sustainable Transport and Livability” published by Taylor & Francis (T&F). He is the Former Editor of journal ‘Transport Policy’, Elsevier; and Associate Editor of ‘Urban Rail Transit’, Springer. He is Editorial Board Member of Research in Transportation Business & Management (RTBM), Elsevier, and Journal of the Air Transport Research Society, Elsevier. He has also authored a book on “Public Transport Planning and Management in Developing Countries” along with Prof. T. V. Ramanayya (Retd. Prof. IIM Bangalore), published by CRC Press and also another book on "Integrated Public Transportation System – Planning and Modelling”, published by VDM Publishing House Ltd. He has also been Co-Editor of Conference Proceedings of WCTR-2016, 5th CTRG, RATE-2018, 6th CTRG, and UMI-2022, published by leading publishers, Elsevier and Springer. He was instrumental in starting new M-Tech programs in Transportation Engineering at IIT Guwahati (in 2007) and at IISc Bangalore (in 2010). He is the Founding and Immediate Past President of the society Transportation Research Group of India (TRG) and was instrumental in initiating the official journal of TRG in 2015, titled “Transportation in Developing Economies (TiDE), published by Springer. He is presently serving as Steering & Scientific Committee Member of World Conference on Transport Research Society (WCTRS) based in University of California, Davis, USA. He is also currently serving as Hon. Secretary of Institute of Urban Transport (India). He is also Chair of Special Interest Group (SIG) F4 (Sustainable Transport and livability) & H2 (Infrastructure Operation and Traffic Management in Developing Countries) of WCTRS. He was the Chair of the Technical Committee of TRG (TCT-D01) on “Travel Behaviour and Transport Demand” during 2020 to 2022.