

100th Annual Meeting of the Transportation Research Board | January 2021
Standing Committee on Transportation in Developing Countries | AME40

Poster Session 1180

Traffic Safety, Mode Choice, and Vehicle Use in Developing Countries

Tuesday, January 26 | 11:30 AM - 1:00 PM ET

Millions of people die each year on the world's roads, with many more sustaining serious injuries as a result of road traffic crashes. Road safety issues are most severe in low- and middle-income countries and are most likely to affect vulnerable road users such as pedestrians, cyclists, and users of two- and three-wheelers. As these countries continue to motorize, road safety impacts may worsen. This poster session presents research from a variety of developing countries looking at the adoption of personal vehicles and implications for road safety, congestion, and the environment.

Pedestrian behavior in a Mexican signalized intersection: An observational study in Santiago de Querétaro

Saul Obregon-Biosca, Universidad Autonoma de Queretaro

Anubis Navarro Rosas, Universidad Autonoma de Queretaro

Analysis of factors influencing delivery e-bikes' red-light running behavior: A mixed binary logit approach

Fan Zhang, Southeast University

Huitao Lv, Southeast University

Yanjie Ji, Southeast University

Investigating factors that affect the intention to use electric motorcycles: A case study of Karachi, Pakistan

Sajan Shaikh, Dalian University of Technology

Hong-feng Xu, Dalian University of Technology

Farrukh Baig, Dalian University of Technology

Dong Zhang, Dalian University of Technology

Fatal crash reporting in media: A case study on Bangladesh

Subasish Das, Texas A&M University

Analyzing habit of using personal modes and its breaking through structural equation modeling

Vasudevan N, Sardar Vallabhbhai National Institute of Technology
Ninad Gore, Sardar Vallabhbhai National Institute of Technology
Rupali Zope, Sardar Vallabhbhai National Institute of Technology
Shriniwas Arkatkar, Sardar Vallabhbhai National Institute of Technology
Gaurang Joshi, Sardar Vallabhbhai National Institute of Technology

Factors affecting motorcyclists' injury severities in Pakistan: A random parameter logit model approach

Amjad Pervez, Central South University
Jaeyoung Lee, Central South University

What affects pedestrian crossing difficulty at urban intersections in a developing country?

Dipanjana Mukherjee, Indian Institute of Technology Kharagpur
Sudeshna Mitra, Indian Institute of Technology, Kharagpur

~~Self-reported driving behavior and risk perception in auto-rickshaw drivers in Varanasi~~

~~Shrey Agrawal, National Institute of Technology, Calicut
Abhisek Mudgal, Indian Institute of Technology, Varanasi~~

~~Automobile level of service criteria for the urban corridors in India~~

~~Drishya Manghat, National Institute of Technology, Calicut
Krishnamurthy Karuppanagounder, National Institute of Technology, Calicut~~

~~Modeling conflict risk severity during overtaking maneuver in two-lane two-way highway in heterogeneous traffic environment of a developing country~~

~~S M Mahmud, Accident Research Institute (ARI)
Luis Ferreira, University of Queensland
Md. Shamsul Hoque, Bangladesh University of Engineering and Technology
Ahmad Tavassoli, University of Queensland~~

~~A systematic modeling approach for estimation of mode shift behavior and policy analysis to encourage e-bike use in India~~

~~Manivel M, National Institute of Technology, Calicut
Sankaran Marisamynathan, National Institute of Technology, Calicut~~

**strikethrough indicates peer-reviewed papers accepted for poster session that did not upload materials to the TRB Annual Meeting platform