



KSCSTE - National Transportation Planning and Research Centre (NATPAC), an institution of Kerala State Council for Science, Technology and Environment (KSCSTE) is a premier R & D institution in the country which works on multi – modal system of transportation covering road, rail, water, air etc.

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# TransPedia Research Talk Series

## ABOUT THE TALK SERIES

NATPAC has been conducting a series of technical talks 'TransTech Talk Series', since February 2023, where industry experts and eminent researchers come together to discuss the latest advancements, challenges, and innovations in the field of transportation.

**TransPedia Research Talk Series** is yet another unprecedented and distinctive endeavor from NATPAC, envisioned to promote research for shared benefits, by disseminating knowledge on diverse topics from cutting-edge technologies to sustainable solutions. Desirably, this also brings out a platform for young researchers across the globe to connect and interact to better shape the future of research and development in transportation.

## ABOUT THE TALK # 14

### "Understanding Pedestrian Behaviour: Insights from Crowds and Laboratory Studies"

Modelling pedestrian movement dynamics, particularly in crowded scenarios is essential for effective event planning and strategic crowd management. This talk will focus on crossing behaviour of pedestrians in mass gatherings, by characterizing the decision-making process as a gap-seeking behaviour. The discussion will also address differences in pedestrian crossing behaviour observed in natural environments versus controlled experiments, emphasizing the challenges associated with data collection in these contexts.

## ATTENDEES

Transportation Professionals, Engineers, Urban Planners, Researchers, Industry Experts, Policy Makers, Students and anyone enthusiastic about the future of transportation.

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Natpac Trivandrum

*Don't miss out on this opportunity to delve into the realm of transportation innovation. Join us for insightful conversations, connect with fellow industry professionals, and be part of shaping the future of transportation.*

## ABOUT THE SPEAKER

**Dr. Karthika P. S.**  
Transportation Consultant  
Bangaluru



Dr. Karthika P S, completed her PhD from the Indian Institute of Science, Bangalore in 2024 under the guidance of Prof. Ashish Verma. Her research on 'Microscopic Modeling of Crowd Dynamics in Mass Religious Gatherings' focussed on understanding and modelling pedestrian behavioural dynamics in large religious congregations.

**25.09.2024, 11:00 AM IST**

**JOIN USING THE LINK:**

<https://tinyurl.com/transpedia14>

