



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 # 21

From Lab to Field: The Role of Accelerated Pavement Testing in Modern Pavement Design

Pavement structures are subjected to complex and varying load and environmental conditions that are difficult to replicate through conventional laboratory tests. Accelerated Pavement Testing (APT) provides a means to evaluate pavement responses and failure mechanisms under controlled, full-scale loading within a compressed timeframe. The talk will discuss the principles of APT, typical equipment configurations, and key parameters assessed through testing, emphasizing its importance in performance-based pavement design and validation of mechanistic-empirical approaches.

ATTENDEES

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

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Natpac Trivandrum

ABOUT THE SPEAKER

Dr. Ashith Marath

Research Engineer
Turner-Fairbank Highway
Research Center
Federal Highway
Administration, Mclean, USA



Dr. Ashith Marath holds a Ph.D. in Civil Engineering from Rowan University under the supervision of Dr. Yusuf Mehta. Dr. Ashith is specialised in pavement materials, accelerated pavement testing, electrically conductive asphalt systems, and climate-resilient infrastructure. During his doctoral research, he worked on multiple projects funded by the U.S. Army Corps of Engineers, focusing on the development and evaluation of innovative pavement technologies through full-scale testing, sensor integration, and performance modeling.

30.04.2025, 10:00 AM IST

JOIN USING THE LINK:

<https://tinyurl.com/TransPedia-21>



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.