



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.

Website: www.natpac.kerala.gov.in

Email: contactus.natpac@kerala.gov.in

TransPedia Research Talk # 25

Local Calibration of Pavement-ME Performance Models in Michigan, USA

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 # 25

The mechanistic-empirical (ME) pavement design is a state-of-the-art design approach that incorporates material properties, traffic, and climate to estimate incremental damage. Cumulative damage is used to predict field distress using empirical transfer functions. These functions have been nationally calibrated and require recalibration. This talk will discuss the calibration of ME transfer functions and different methodologies associated with it. Moreover, it will also emphasize the impact of calibration on pavement design.

Attendees

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

Follow us on:



NATPAC



NATPAC



NATPAC

Dr. Rahul Raj Singh

**Pavement Design Engineer
at Wallace Montgomery &
Associates LLP, USA
(Consultant at Maryland
Department of
Transportation)**



Dr. Rahul Raj Singh earned his MS and PhD in Civil Engineering at Michigan State University, USA, under the supervision of Prof. Syed Waqar Haider. He has worked on several research projects with the Michigan Department of Transportation on pavement design and analysis, mechanistic-empirical design, pavement management, pavement rehabilitation, asphalt characterization, non-destructive testing, statistical modeling, etc.

JOIN US:

27.08.2025, 10:00 AM IST

<https://tinyurl.com/transpedia25>



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.