



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 # 32

Performance of Geogrid Reinforced Asphalt Pavements

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 # 32

Rising traffic volumes and axle load repetitions demand high-performance pavements capable of resisting fatigue and rutting. Geogrid reinforcement improves load distribution, reduces tensile strains, and delays crack initiation and propagation. Typically made from polymeric materials and embedded within asphalt layers, geogrids enhance resistance to rutting, fatigue cracking, and reflective cracking under heavy traffic. Geogrids are also effective for rehabilitating distressed pavements and strengthening weak subgrades, making them a sustainable and cost-effective solution. The talk will discuss on the laboratory performance of the geogrid reinforced asphalt pavements and the challenges during field installation.

Attendees

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

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Dr. Lekhaz Devulapalli completed his PhD in Transportation Engineering from Vellore Institute of Technology in 2022. His research interests include polymer-modified binders, bio-binders, reclaimed asphalt pavement and geosynthetic reinforced asphalt pavements. He has published 14 research papers, including 10 Science Citation Indexed publications.

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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.