TransPedia Research Talk # 26
Modelling an Efficient System for Airport Arrivals and Departures

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 # 26

This presentation introduces an innovative modeling framework aimed at optimizing flight arrivals and departures, focused on an airport-aware scheduling model that proactively identifies and mitigates potential delays and conflicts for both incoming and outgoing flights. By incorporating real-world factors such as variations in flight paths and the likelihood of mid-air interactions, the model enhances airport operational efficiency, minimizes disruptions, and strengthens overall air traffic management.

Dr. Aitichya Chandra

Research Associate
Resilient Networks
Asset Management Group
Department of Engineering
University of Cambridge

Dr. Aitichya Chandra earned his PhD in transportation systems engineering from the Indian Institute of Science (IISc), Bengaluru, under the supervision of Prof. Ashish Verma. His work focuses on developing techniques and algorithms to model the operation and dynamic behaviour of transport networks with an aim to develop optimal policies for improving network resilience.

JOIN US:
24.09.2025, 2:30 PM IST
https://tinyurl.com/transpedia26

Attendees

Transportation Professionals, Engineers, Urban Planners, Researchers, Industry Experts, Policymakers, Students, and anyone enthusiastic about the future of transportation.
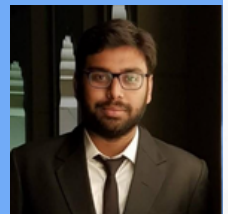
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Don't miss out on this opportunity to delve into the realm of transportation innovation. Join us for insightful conversations, connect with fellow industry professionals, and be part of shaping the future of transportation.