

The German Academic Exchange Service (DAAD), Indian Institute of Technology, Delhi and Technical University of Munich (TUM) ASIA

Presents

Half-day Seminar on

Making the Infrastructure Work – Public Transport

On: 17th February 2017

At: LH-310, Lecture Hall Complex, IIT Delhi

SCHEDULE

Title	Hours	Faculty
Registration	9:00 – 9:15	
Background	9:15 – 9:20	Dr. Manoj M., IIT Delhi
Inaugural Address	9:20 – 9:30	HOD, Civil Engg., IIT Delhi
Welcome, TUM Asia	9:30– 9:45	Torsten Nielsen, TUM Asia
Tea	9:45– 9:10	
Session 1		
Track Works for Urban Railway Systems	10:00 – 10:45	Dr. Bernhard Lechner, TUM
Q &A	10:45 – 11:00	Moderator, Dr.Manoj M.
Session 2		
Urban Mobility patterns in India and Public transport systems: Opportunities and challenges	11:00 – 11:45	Prof. Geetam Tiwari, IIT Delhi
Q & A	11:45 – 12:00	Moderator, Dr. Manoj M.
Closing	12:00 – 12:10	Dr. Nizamuddin, IIT Delhi
Networking	12:10 – 12:30	

Focus

1. Track Works for Urban Railway Systems

The presentation provides an introduction to the special features of Metro and light rail systems with a focus on noise and vibration problems. It presents the track-side measures applied to mitigate vibration and introduces the design of ecological "green" tracks. It also covers the special features of metro and light rail systems, the train track interactions, the track layout and alignment for urban rail systems, the track cross section design including trackside equipment, the ballastless track systems design for urban rail, the sources and impacts of noise and vibrations including measures to counteract such. The design of special floating slab tracks with focus on tunnel sections will be introduced. The environmental impacts as well as the design of green tracks, the design and construction of tram-tracks and the embedded track systems will be discussed.

2. Urban Mobility patterns in India and Public transport systems: Opportunities and challenges

The presentation provides an overview of urban mobility patterns in India and the opportunities and challenges for providing mass transit modes.