



## Transport Infrastructure and Quality of Life

**15<sup>th</sup> World Conference on Transport Research  
28 – 30 May 2019**

Indian Institute of Technology Bombay, Mumbai, India

### Introduction:

The Asian Development Bank Institute (ADBI) in cooperation with The World Conference on Transport Research Society (WCTRS) and Ministry of Land, Infrastructure, Transport, and Tourism (MLIT) Japan will host a special sessions' series entitled "Transport Infrastructure and Quality of Life" at the World Conference on Transport Research (the Conference) on 26 – 31 May 2019 in Mumbai, India.

Policymakers planning large infrastructure projects, such as high-speed rail (HSR) are looking for innovating policy instruments attract private sector investments for these projects. The five sessions will extract lessons from infrastructure projects and operations around the world, specifically on the effects of HSR projects on the economy, environment, society, and the quality of Life. The sessions will also feature messages for policymakers emerging from the conference held at ADBI in November 2018. <https://www.adb.org/news/events/conference-spillover-effects-high-speed-rail-and-quality-life>

Each session comprises panel discussions and invited talks that would reach a wider audience, ranging from political leaders, policy makers, government officials, researchers, and media. For further information please contact Prof Yoshitsugu Hayashi (President WCTRS) and KE Seetha Ram, Senior Specialist, ADBI and Visiting Professor University of Tokyo.

### Sessions Calendar

Time	May 27	May 28	May 29	May 30
9:30-11:00	Opening Ceremony Plenary Keynotes	Session GEN_SS6 VMCC32		Session GEN_SS23 (Auditorium)
11:30-13:10			Session GEN_SS17 VMCC23	Closing Ceremony
14:30-16:10		WCTRS General Assembly	Session GEN_SS20 VMCC23	Technical Visits
16:30-18:10		Session GEN_SS12 VMCC32		Technical Visits

## **Session GEN\_SS6: Need for HSR and Importance of Dedicated Track towards Safe, Available and Reliable Operations**

**Session Chair:** Yu Maemura, The University of Tokyo

**28 May 2019, Tuesday (Venue: VMCC32), 9:30-11:00**

In this session, panelists comprising policy makers, industry experts, and researchers, will discuss the relevance of HSR in the development path of a country and deliberate on successful implementation of safe and reliable HSR operations.

09:00 – 09:30	<b>Registration</b>
09:30 – 09:35	<b>Session Introduction</b> <b>Nikhil Bugalia</b> , The University of Tokyo <b>Welcome Remarks by Session Chair</b> <b>Yu Maemura</b> , The University of Tokyo
09:35 – 09:45	<b>Keynote Speech: Transport Safety and its relevance in Japanese socio-economic context</b> <b>Fuminao Okumura</b> , Japan Transport Safety Board
09:45 – 10:15	<b>Presentations:</b> <b>Economic Development stage and need for safe HSR (Dedicated Tracks)</b> <b>Hiroyuki Takeshita</b> , Chubu University <b>JR East Experience in delivering Safe and Reliable Services</b> <b>Yoshihiro Kumamoto</b> , East Japan Railway Company
10:15 – 10:20	<b>Comments</b> <b>Venkitachalam Anantharaman</b> , Indian Institute of Technology Gandhinagar
10:20 – 10:50	<b>Presentations:</b> <b>KORAIL Experience in delivering Safe and Reliable Services</b> <b>Byung-II Oh</b> , KORAIL <b>Relative advantages of Dedicated Track System and its relevance to India</b> <b>Satoru Osanai</b> , Japan Railway Technical Service (JARTS)
10:50 – 10:55	<b>Discussions</b>
10:55 – 11:00	<b>Final remarks by Session Chair</b>

## Session GEN\_SS12: Capacity Development for Successfully Constructing and Operating Transport Infrastructure

**Session Chair: Werner Rothengatter**, Karlsruher Institut für Technologie(KIT)  
**28 May 2019, Tuesday (Venue: VMCC32), 16:30-18:10**

In this session, panelists comprising policy makers, industry experts, and researchers across the world will discuss on how they are coping with “skill-gap” and will aim to identify transferable knowledge in implementing successful Capacity Building and Training (CBT) programs at scale.

16:00 – 16:30	<b>Registration</b>
16:30 – 16:35	<b>Welcome Remarks by Session Chair</b> <b>Werner Rothengatter</b> , Karlsruher Institut für Technologie (KIT)
16:35-16-45	<b>Keynote Speech: Overview of Capacity Building Programs in Mumbai Metro</b> <b>Ashwini Bhide</b> , Mumbai Metro Rail Corporation Limited
16:35 – 17:30	<b>Presentations:</b> <b>Railway Business in Aging Society and Training Programs for JR East</b> <b>Michikazu Mukoyama</b> , East Japan Railway Company <b>Skill Frameworks for public transportation in Singapore and its evolution with Singapore’s Development</b> <b>Teik-Soon Looi</b> , Singapore Rail Academy, Land Transport Authority Academy <b>Nationwide HSR development in Spain and integration with EU: Overview of CBT programs</b> <b>Angel Aparicio</b> , Technical University of Madrid
17:30 – 17:40	<b>Comments</b>
17:30 – 18:05	<b>Panel discussion moderated by Session Chair</b> <b>Policy Challenges in capacity development for construction Industry in India</b> <b>Kalyan Chakravarthy</b> , Pan IIT Alumni Reach for India (PARFI) <b>Challenges with Civil Engineering Education System in India</b> <b>Sudhir Misra</b> , Indian Institute of Technology Kanpur <b>Ashwini Bhide</b> , Mumbai Metro Rail Corporation
18:05-18:10	<b>Closing Remarks by Session Chair</b>

## Session GEN\_SS17: Policies and Programs for Station Area Development and Urban Development around Transport Nodes

**Session Co-Chairs:** K V Krishna Rao, Indian Institute of Technology Bombay

KE Seetha Ram, Asian Development Bank Institute

**29 May 2019, Wednesday (Venue: VMCC23), 11:30-13:10**

This session will highlight the experience of countries that have implemented station area development projects and draw policy lessons. Panelists comprising policy makers, industry experts, and researchers, will discuss on the priorities at the urban and local level for the frontiers of station area development, redevelopment, and tools of station development.

11:00 – 11:30	<b>Registration</b>
11:30 – 11:35	<b>Opening Remarks by session Co-Chairs</b> KVK Rao, Indian Institute of Technology Bombay K E Seetha Ram, Asian Development Bank Institute
11:35 – 11:50	<b>Keynote Speech: Naoki Omori</b> , Urban Renaissance Agency (UR)
11:50 – 12:20	<b>Presentations:</b> <b>How to Shift to TOD Policy: A Strategy to Realize a Railway-oriented City</b> Takashi Yamazaki, Japan International Consultants for Transportation Co., Ltd. (JIC) <b>TOD-based Urban Development Projects in Japan and Abroad</b> Shigehisa Matsumura, Nikken Sekkei Research Institute (NSRI)
12:20 – 12:30	<b>Discussion</b>
12:30 – 13:00	<b>Presentations:</b> <b>Enhancing City Linkages: Perspectives On Station Area Development for High-speed Rail Stations in India</b> Shreyas Bharule, The University of Tokyo <remote presentation> <b>Presentation: Adding Value to HSR : Station Building, Station Front and Urban Development</b> Yoshitaka Ishii, Former Chairman, JR Kyushu
13:00 – 13:10	<b>Closing Remarks by Session Co-Chairs</b>

## Session GEN\_SS20: Modelling for Estimating Impact of Transport Infrastructure on Quality of Life

**Session Chair:** Achal Khare, National High-Speed Railway Corporation Limited

**29 May 2019, Wednesday (Venue: VMCC23), 14:30-16:10**

In this session, panelists with expertise in different modeling and with experiences with different countries will discuss the models for estimating impact of HSR on Quality of Life and the applications of the models to existing projects in multiple regions.

14:00 – 14:30	<b>Registration</b>
14:30 – 14:35	<b>Welcoming Remarks by Session Chair</b>
14:35 – 15:20	<p><b>Presentations:</b></p> <p><b>Wider Economic Impacts of Transport Investments in the EU</b>  <b>Werner Rothengatter</b>, Karlsruher Institut für Technologie(KIT)</p> <p><b>Big data for social impact</b>  <b>Ryosuke Shibasaki</b>, The University of Tokyo</p> <p><b>Comparison of Transport Projects in France, Germany, UK and Japan</b>  <b>Noriyasu Kachi</b>, Toyo University</p>
15:20 – 15:30	<b>Comments and Discussions</b>
15:30 – 16:05	<p><b>Presentations:</b></p> <p><b>Data-driven modeling of urban resilience</b>  <b>Satish Ukkusuri</b>, Purdue University &lt;remote presentation&gt;</p> <p><b>Spatiotemporal impact of transport in Japan</b>  <b>Satoshi Miyazawa</b>, The University of Tokyo</p> <p><b>Impact on HSR on QOL in India</b>  <b>Yoshitsugu Hayashi</b>, Chubu University</p>
16:05 – 16:10	<p><b>Comments and closing remarks</b></p> <p><b>K V K Rao</b>, Indian Institute of Technology Bombay</p>

## Session GEN\_SS23: High-Level Panel Discussion on Messages for Policy Makers for Developing and Operating Transport Infrastructure

**Session Chair : KE Seetha Ram, Asian Development Bank Institute**  
**30 May 2019, Thursday (Venue: Prof B Nag Auditorium), 9:30-11:00**

This session will highlight the impact of transport infrastructure development, based on the experience of HSR projects investment, implementation, and operation around the world. Panelists comprising policy makers, industry experts, and researchers, will discuss on the priorities at the national and local level for transport infrastructure.

09:00 – 09:30	<b>Registration</b>
09:30 – 09:35	<b>Welcoming Remarks</b> H.E. Kenji Hiramatsu, Japanese Ambassador to India (TBC)
09:50 – 10:35	<b>Panellists:</b> Naoyuki Yoshino, Asian Development Bank Institute Tae Hoon Oum, University of British Columbia Haixiao Pan, Tongji University Werner Rothengatter, Karlsruhe Institut für Technologie(KIT) Yoshitsugu Hayashi, Chubu University Achal Khare, National High-Speed Railway Corporation Limited
10:35 – 10:55	<b>Panel discussion and Q&amp;A</b>
10:55 – 11:00	<b>Closing Remarks</b> Satoru Osanai, Japan Railway Technical Service (JARTS)