Tentative Agenda as of 23 May 2019

Transport Infrastructure and Quality of Life

15th 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

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<td>9:30-11:00</td>
<td>Opening Ceremony Plenary Keynotes</td>
<td>Session GEN_SS6 VMCC32</td>
<td>Session GEN_SS23</td>
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<td>Session GEN_SS17 VMCC23</td>
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<td>14:30-16:10</td>
<td>WCTRS General Assembly</td>
<td>Session GEN_SS20 VMCC23</td>
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The session aims to discuss the relevance of HSR in the development path of a country and deliberate on successful implementation of safe and reliable HSR operations. Key issues are:

- Economic development and suitability of HSR for a country
- Principles of HSR safety management - Challenges and Success
- Pathways for safe HSR in India
- Presentations and Q&A

28th May 2019

9:30am - 11:00am

VMCC32, IIT Bombay
**Session Agenda**

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<td>9:00-9:30</td>
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<td>9:30-9:35</td>
<td>Welcome remarks by <strong>Yu Maemura</strong>, The University of Tokyo (Session Chair)</td>
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<td>9:35-9:45</td>
<td>Keynote speech by <strong>Fuminao Okumura</strong>, Japan Transport Safety Board</td>
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| 9:45-10:15| Presentation by **Hiroyuki Takeshita**, Chubu University  
**Yoshihiro Kumamoto**, East Japan Railway Company |
| 10:15-10:20| Comments by **Venkitachalam Anantharaman**, IIT Gandhinagar |
| 10:20-10:50| Presentation by **Byung-il Oh**, Korean Railroad Corporation  
**Satoru Osanai**, Japan Railway Technical Service |
| 10:50-11:00| Discussion and Closing Remarks                 |

**Introduction of Panelists**

**Fuminao Okumura**  
Fuminao Okumura is the board member of Japan Transport Safety Board. He has served as the Executive Director for Railway Technical Research Institute (RTRI) from 2013 to 2016. He obtained doctoral degree in Civil Engineering from Tokyo Institute of Technology and Master’s degree from University of California, Berkeley.

**Satoru Osanai**  
Mr. Osanai joined Ministry of Transport in 1979. In 2003, he was appointed as Director, Japan Railway Construction, Transport Technology Agency. In 2013, he was appointed as Director-General of Hokkaido District Transport Bureau. Mr. Osanai has been serving as President, Japan Railway Technical Service since 2016.

**Yoshihiro Kumamoto**  
Mr. Kumamoto joined Japanese National Railways (JNR) in 1980 and thereafter joined East Japan Railway Company in 1987. In 2016, he was appointed as Senior Executive Officer in charge of Mumbai-Ahmedabad High Speed Railway Project. Currently he serves as Deputy Director General of International Affairs Headquarters, Indian HSR Division.

**Byung-il Oh**  
Mr. Byung-il Oh is an experienced rolling stock engineer in Korean Railroad Corporation. He is currently serving as General Manager of Overseas Business Division in Korail. From 2015 to 2018, her worked in Korail Paris Branch office. He has been associated with High-Speed Train in Korail since its testing and commissioning.

**Hiroyuki Takeshita**  
Dr. Takeshita is a senior assistant professor for special programs of Chubu University. He is engaging in the project titled “Smart Transport Strategy for Thailand 4.0”, which aims to realize better quality of life and low-carbon society in Bangkok. He is also in charge of the research to assess quality of life by High Speed Railway opening in India.

**Venkitachalam Anantharaman**  
Presently engaged with IIT Gandhinagar as Adviser for the newly established Center for Safety Engineering. He has long association with Underwriters Laboratories Inc, USA where he worked as Vice President & Managing Director – Emerging Markets. The India Fire Safety Council, National Safety Science Campaign were some of the key initiatives.

**Yu Maemura**  
Yu Maemura (PhD) is a Lecturer at the Management Group of the Department of Civil Engineering at the University of Tokyo. His recent publications include papers on contractual conflicts and managerial challenges within the context of development aid and internationally operated construction projects as well as a critical re-evaluation of the pedagogical approach to intercultural communication for global engineers.
The session aims to discuss the challenges and solutions of “Skill-Gap” in Construction and Transportation industries, across the globe. Key issues are:

- Challenges, Enabling factors and way forward for rapid scaling of Capacity Building and Training programs
- Political will, policy framework and role of private sector in nation-wide CBT programs
- Presentations and Panel Discussions

28th May 2019
4:30pm - 6:10pm
VMCC32, IIT Bombay
**Session Agenda**

16:00-16:30  Registration

16:30-16:35  Welcome remarks by **Werner Rothengatter**, KIT (Session Chair)

16:35-16:45  Keynote speech by **Ashwini Bhide**, Mumbai Metro Rail Corporation

16:45-17:30  Presentation by **Michikazu Mukoyama**, East Japan Railway Company; **Teik-Soon-Looi**, Land Transport Academy, Singapore; **Angel Aparicio**, Technical University of Madrid

17:30-17:40  Comments

17:40-18:05  Panel Discussion by **Sudhir Misra**, IIT Kanpur; **Kalyan Chakravarthy**, Pan IIT Alumni Reach for India (PARFI); **Ashwini Bhide**

18:05-18:10  Closing Remarks by session chair

**Introduction of Panelists**

**Ashwini Bhide**
Ms. Ashwini Bhide, is an IAS officer from the batch of 1995. During her tenure of 23 years as civil servant, Ms. Bhide has done remarkable work in the field of urban infrastructure. Her major projects in Mumbai include Eastern Freeway, Elevated road to International Airport, and Mumbai Monorail. Ms. Bhide currently heads the Mumbai Metro Rail Corporation.

**Werner Rothengatter**
Werner Rothengatter is a emeritus profess at he Karlsruhe Institute of Technology. He was awarded the Jules Dupuit Prize of the World Conference on Transport Research Society (WCTRS) in 2013. He was president of the WCTRS in 2001–2007 and he is still a member of its steering committee. He is a member of several editorial advisory boards and editor of the Springer Series on Transport Economics and Policy.

**Michikazu Mukoyama**
Mr. Mukoyama joined Japanese National Railways (JNR) in 1982 and was assigned to East Japan Railway Company (JR East) in 1987. He has been consistently working for railways with the track and infrastructure maintenance at his core for more than 30 years. As an executive director, Mr. Mukoyama now is in charge for the Indian HSR construction.

**Teik Soon Looi**
Mr Looi is the Executive Director for Singapore Rail Academy (SGRA) in the Land Transport Authority (LTA), Singapore. He currently oversees capability building programs for international and local participants. He has experience in the development of public transport competency framework for Singapore. Mr Looi is a civil engineer by training.

**Angel Aparicio**
A civil engineer, with a PhD on planning, he worked between 1988 and 2009 as civil servant at the Spanish Ministries of Transport and Environment. Between 2004 and 2009 he was Director General of the National Research Centre of the Spanish Ministries of Transport and Environment (CEDEX). Since June 2009 he is working as full-time professor for transport planning and economics at the Technical University of Madrid.

**Sudhir Misra**
Sudhir Mishra obtained his B Tech in 1981 from the IIT Kanpur and his PhD from the University of Tokyo in 1989. He is now a professor at the Department of Civil Engineering of IIT Kanpur. In a career spanning more than 35 years, he has held positions of responsibility at and taken a keen interest in promoting closer academic and research links between universities and companies in India and Japan.

**Kalyan Chakravarthy**
Kalyan is the Founding sevak & Executive Director of PanIIT Alumni Reach For India Foundation, a Nation Building initiative of alumni from the reputed Indian Institutes of Technology(IITs). He Conceptualized, set-up first-of-its-kind loan based vocational program to exclusively skill the underprivileged Youth with 100% loan financing, residential training, assured placement.
Policies and Programs for Station Area Development and Urban Development around Transport Nodes

ADBI Special Session

The session will highlight the experience of countries that have implemented station area development projects and draw policy lessons. Key topics are:

• Tool of Station Area Development and TOD
• Cases and Lessons for Implementation of Station Development Projects
• Improving the Urban Environment and Quality of life by integrated Station-City Development Projects
• Presentations and Q&A

29th May 2019
11:00am - 13:10am
VMCC23, IIT Bombay

Speakers

Mr. Naoki Omori
Director General, International Business Dept., Urban Renaissance Agency

Mr. Takashi Yamazaki
President, Japan International Consultants

Mr. Yoshihata Ishii
Former President, Kyushu Railway, Japan

Dr. Shigehisa Matsumura
Principal Consultant, Nikken Sekkei Ltd & Nikken Sekkei Research Institute

Mr. Shreyas Bharule
Doctoral Candidate, The University of Tokyo Research Associate, ADBI

Session Co-chair

Prof. KVK Rao
Professor, Indian Institute of Technology Bombay

Dr. K E Seetha Ram
Senior Capacity Building and Training Consulting Specialist, ADBI

Keynote Speech

Asian Development Bank Institute

World Conference on Transport Research Committee
Naoki Omori
Naoki Omori graduated from Kansei Gakuin University in degree in 1985. Mr. Omori started working with Urban Renaissance Agency (UR) in 1994. During his career at UR between 2009 to 2018, he has served as the Director of the Housing Management department, Deputy Director general for general Affairs and Planning Department and Director General for Overseas Development Office at UR. He is the Director General for International Business Department since early 2019.

Takashi Yamazaki
Takashi Yamazaki received his Master's in Civil Engineering degree in 1978. Mr. Yamazaki started working with Japan National Railways soon after graduation. After privatization of the Japan National Railways in 1987, Mr. Yamazaki continued in the East Japan Railways. During his career at JR East he has served as the General Manager of the Investment planning department, CEO and Director for Station Development Planning Department and continued to be the President of JR East Consultants Company. He is the President of Japan International Consultants for Transportation Co., Ltd. (JIC) since 2015.

Yoshitaka Ishii
Mr. Yoshitaka Ishii graduated in 1955 from the Mechanical Engineering Department of the University of Tokyo and joined the Japanese National Railway Corporation. In 1965, he stayed in Deutsche Bundesbahn. He became in 1982 director of the Rolling Stock Department, in 1986 executive director of the Kyushu Area Headquarter and was engaged in the privatization of JNR. In 1987, he was the first President of Kyushu Railway Company (JR Kyushu). He became in 2000 the Chairman of the Meter Gauge Railway Group in the UIC and in 2006 invited professor at Pai Chai University in Korea. In 2008, he submitted a proposal to utilize the Shinkansen archipelago aorta for logistics.

Shigeihisa Matsumura
Dr. Matsumura has extensive work experience in urban, regional and housing planning projects in and out of Japan working for Nikken Sekkei Ltd. and then Nikken Sekkei Research Institute for 30 years and counting. For overseas projects, Dr. Matsumura has considerable work experience in ASEAN countries on projects funded by international institutions, including JICA, JBIC and the World Bank, and by local governments. For these couple of years, Dr. Matsumura has concentrated on TOD projects in developing countries mainly sponsored by JICA and the government of Japan.

Shreyas Bharule
Shreyas Bharule is a doctoral candidate at the International Development and Regional Planning laboratory of the University of Tokyo, Tokyo, while working as a research associate at the Asian Development Bank Institute, Tokyo. He holds a bachelor’s in architecture from Sir J.J. college of Architecture and a Master’s in City Planning from Indian Institute of Technology Kharagpur. His research interests focus on High-Speed Railway based TOD - station area development. His doctoral research focuses on the case analysis of proposed station locations along the upcoming high-speed railway project that will connect the cities of Ahmedabad and Mumbai in India. His research interest include transit-oriented development, sustainable design and implementation practices.
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.

Key topics:
- Models to estimate impact of HSR
- Spillover effect of HSR on Quality of Life (QoL)
- Spatiotemporal impact of transportation infrastructure
Session Agenda

14:00 – 14:30  Registration
14:30 – 14:35  Welcoming Remarks by session chair
Shri Achal Khare, National High-Speed Railway Corporation Limited

14:35 – 15:20  Presentations:
Werner Rothengatter, Karlsruher Institut für Technologie (KIT)
Ryosuke Shibasaki, The University of Tokyo <remote presentation>
Noriyasu Kachi, Toyo University

15:20 – 15:30  Discussion

15:30 – 16:05  Presentations:
Satish Ukkusuri, Purdue University <remote presentation>
Satoshi Miyazawa, The University of Tokyo
Yoshitsugu Hayashi, Chubu University

16:05 – 16:10  Comments and closing remarks
KVK Rao, Indian Institute of Technology Bombay

Introduction of Speakers & Session Chair

Shri Achal Khare (Session Chair)
Shri Achal Khare joined Indian Railways in 1982. From 2010, he worked as Divisional Railway Manager of Indian South Eastern Railway till August 2012. Shri Achal Khare was in the Ministry of Railways as Adviser before he became the Managing Director of National High-Speed Rail Corporation Ltd.

Werner Rothengatter
Werner Rothengatter was a professor of economic theory at Universität Kiel and policy at Universität Ulm; and head of the Transport Division of the German Institute for Economic Research. He was president of the WCTRS in 2001–2007 and he is still a member of its steering committee. He is a member of several editorial advisory boards and editor of the Springer Series on Transport Economics and Policy.

Ryosuke Shibasaki
Ryosuke Shibasaki is a Professor at the University of Tokyo’s Center of Spatial Information Science. His research activities include 3D mapping of urban spaces, measurement and monitoring of human movement and behavior in urban space, digital landscape modeling, micro geo-spatial mapping and data mining for exploratory urban analytics, and semantic interoperability for sharing and integrating heterogeneous geo-spatial information.

Noriyasu Kachi
Noriyasu Kachi received “Doctor of Environmental Studies” degree from Nagoya University in 2007. He was appointed to an associate professor of the faculty of Information Networking for Innovation and Design (INIAD) of Toyo University. His major is urban/land use planning.

Satish Ukkusuri
Satish V. Ukkusuri is a Professor in the Lyles School of Civil Engineering, Director of the Urban Mobility, Networks and Intelligence Lab, Director of the Centre for Smart Mobility and Co-lead of the Sustainable Communities Cluster at Purdue University. His research is in the area of interdisciplinary transportation networks with current interests in data driven mobility solutions, disaster management, resilience of interdependent networks, connected and autonomous traffic systems, shared mobility platforms, dynamic traffic networks and smart logistics.

Satoshi Miyazawa
Satoshi Miyazawa is a Project Researcher at CSIS - Center for Spatial Information Science, The University of Tokyo. His research interests include geospatial modeling and analysis, human mobility analysis, and data mining.

Yoshitsugu Hayashi
Yoshitsugu Hayashi is emeritus professor of Nagoya University and a professor at Chubu University, Japan. He is also president of the World Conference on Transport Research Society. His research focuses on urbanization and motorization and the countermeasure policy to overcome their negative impacts.

KVK Rao
K V Krishna Rao is a professor of civil engineering at the Indian Institute of Technology Bombay. He has over 30 years of teaching and research and development experience in transportation systems engineering. He is the director of the 15th edition of World Conference on Transport Research (WCTR 2019).
Messages for Policymakers for Developing and Operating Transport Infrastructure

High-level Panel Discussion

The session aim to highlight the impact of transport infrastructure development amongst senior officials and experts on key issues:

• Spill-over effect of transport infrastructure
• Wider Economic Impacts and its measurement
• Quality of Life (QoL) and relationship with transport infrastructure
• International experience on High-speed rail development
• Panel discussion and Q&A

30th May 2019
9:30am - 11:00am
Auditorium, IIT Bombay

Guests

Prof. Werner Rothengatter
Karlsruhe Institute of Technology
Former President WCTRS

Prof. Naoyuki Yoshino
Dean, ADBI

Mr. Kenji Hiramatsu
Japanese Ambassador to India

Mr. Satoru Osanai
President of JARTS

Panelists

Prof. Yoshitsugu Hayashi
Chubu University
President WCTRS

Mr. Shri Achal Khare
National High Speed Rail Corporation of India

Prof. Tae Hoon Oum
University of British Columbia

Prof. Haixiao Pan
Tongji University

ADB Institute
Asian Development Bank Institute

World Conference on Transport Research Society
Kenji Hiramatsu

Kenji Hiramatsu is the Ambassador of Japan to India. Prior to his appointment, he served as Deputy Minister for Foreign Policy from 2012 to 2015. He served as Director-General for Global Issues from 2011 to 2012. He graduated from Kyoto University and joined Ministry of Foreign Affairs in 1979 as Deputy Director-General for Economic Affairs and Executive Assistant to the Minister for Foreign Affairs and Director.

Satoru Osanai

Satoru Osanai is the President of Japan Railway Technical Service (JARTS) since 2016. Prior to JARTS, he was the Director General of Hokkaido District Transport Bureau from 2013. In 2008, he served as the Vice Admiral of Japan Coast Guard. He was the Director of Japan Railway Construction, Transport Technology Agency from 2003. He started his career in 1979 at the Ministry of Transport of Japan.

Naoyuki Yoshino

Naoyuki Yoshino is the dean of the Asian Development Bank Institute (ADBI) and professor emeritus at Keio University, Tokyo, Japan. He is the Chair of the Financial Planning Standards Board, Foreign Exchange of Japan’s Ministry of Finance as well as president of the Financial System Council of Japan.

Yoshitsugu Hayashi

Yoshitsugu Hayashi is emeritus professor of Nagoya University and a professor at Chubu University, Japan. He is also president of the World Conference on Transport Research Society.

Werner Rothengatter

Werner Rothengatter was a professor of economic theory at Universität Kiel and policy at Universität Ulm; and head of the Transport Division of the German Institute for Economic Research. He was president of the WCTRS in 2001–2007 and he is still a member of its steering committee.

Shri Achal Khare

Shri Achal Khare joined Indian Railways in 1982. From 2010, he worked as Divisional Railway Manager of Indian South Eastern Railway till August 2012. Shri Achal Khare was in the Ministry of Railways as Advisor before he became the Managing Director of National High-Speed Rail Corporation Ltd.

Tae Hoon Oum

Tae Hoon Oum is the UPS Foundation Chair Professor at Sauder School of Business, University of British Columbia, the Chair of the Air Transport Research Society, Editor in Chief of Journal of Transport Economics and Policy. He is the WCTR Society Steering Committee’s nominee to the Presidency of the WCTR Society.

Haixiao Pan

Haixiao Pan is a professor of urban planning at the Department of Urban Planning of Tongji University in Shanghai, Peoples Republic of China (PRC). He is a leading researcher in urban land use and transport planning in the PRC.