

# Spill-over Effects of High-Speed Rail and Quality of Life

14-15 November 2018, ADBI, Tokyo, Japan

## 13 November (Tuesday) 2018

10 am – 2 pm PhD Student Colloquium at University of Tokyo

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## 14 November (Wednesday) 2018

9 am – 5 pm – Conference

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## 15 November (Thursday) 2018

9 am – 6 pm – Conference

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The 15th WCTR conference will be held at the Indian Institute of Technology Bombay, India, during 26-31 May 2019. IIT Bombay is one of the premier institutes in India, established for the development of technical education in the country. The conference aims to bring together academics, practitioners, managers, and policymakers from all parts of the world, to share cutting-edge research and advanced state-of-practice. To facilitate the interchange of ideas between researchers working in the same area, WCTR has structured the topics into nine categories with a total of 35 session tracks. Selected papers from the '*Spill-over Effects of High-Speed Rail and Quality of Life*' conference will be considered as a part for an edited book volume. The key messages in the edited volume will be shared during the 15th WCTR to be held on 26-31 May 2019. For further details, please refer: <http://www.wctrs-conference.com/>

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## Draft Agenda for Day 1: Opening + 3 Sessions

<i>Session (Session Time)</i>	<i>Session Length</i>	<i>Topic</i>	<i>Speakers</i>
<b>9:00-9:30</b>	<b><u>Registration</u></b>		
<b>Opening Session (09:30-10:00)</b>	<b><u>Welcome Remarks and Opening Plenary Session</u></b>		
	30 Min	<i>“Spill over Effects of Infrastructure”</i>	<i>Naoyuki Yoshino, Dean, ADBI Tokyo</i>
<b>10:00-10:30</b>	<b><u>Group picture &amp; Coffee break</u></b>		
<b>Day 1 Session 1: <u>HSR Case studies and experience from HSR operating Countries</u></b>			
<p>Since starting the first operations in Japan in 1964, the High-Speed Rail has become a prominent infrastructure over a period of more than 50 years. Along with major highways, the HSR has become the spine of some of the most important regional economic developments in the world. The following session will focus on bringing forth the experiences of the countries that have implemented HSR projects in the past. The session will bring out the discourse of HSR investments and implementation world over.</p>			
<i>(Session Chair: Prof. Werner Rothengatter, Professor Emeritus, KIT, Karlsruhe; Ex-President, WCTRS)</i>			
<b>Day 1 Session 1 (10:30-12:00)</b>	Four presentations (15 Mins Each)	<i>Approaches to Measure Wider Economic Impacts of HSR and Experiences from Europe</i>	<i>Prof. Werner Rothengatter, KIT, Karlsruhe, Germany</i>
		<i>Speed and Socio-Economic Development: Influence of Indian Railways</i>	<i>N Ravi, Advisor and Adjunct Faculty, Center of Public Policy, IIM Bangalore, India</i>
		<i>High-Speed Rail in China</i>	<i>Prof. Haixiao Pan, Tongji University, Shanghai, P.R.C</i>
		<i>An assessment of Economic and Financial Impacts of Jakarta- Bandung High-Speed Railway Project</i>	<i>Siddhartha Nath and Gusti Raganata, University of Tokyo, Japan</i>
	(20-30 mins)	Discussions/Q&A: Arriving at key takeaways from the presentations - Steered by Session chair	
<b>12:00-01:30</b>	<b><u>Lunch Break &amp; Networking</u></b>		

<i>Session (Session Time)</i>	<i>Session Length</i>	<i>Topic</i>	<i>Speakers</i>
<b>Day 1 Session 2: <u>Modeling Spill-over effects of the HSR</u></b>			
The following session focuses on analytical methods and tools for quantifying the spill-over effect caused by the HSR implementation.			
<i>(Session Chair: Prof. Ryosuke Shibasaki, Professor, University of Tokyo)</i>			
<b>Day 1 Session 2 (1:30 - 3:00)</b>	Four presentations (15 Mins Each)	<i>Riding on the new Silk Road: Quantifying the welfare gains from High-Speed Railways</i>	<i>Mingzhi Xu, NBER and INSE at Peking University, P.R.C</i>
		<i>Optimization of Station Location based on Accessibility and Environmental Impact</i>	<i>Sandeepan Roy, Avijit Maji, IIT Bombay, India</i>
		<i>The impact of High-Speed Rail on Innovation</i>	<i>Hiroyasu Inoue, Kentaro Nakajima, Yukiko Umeno Saito, Japan</i>
		<i>Socio-Environmental Impacts of High-Speed Rail in the People's Republic of China</i>	<i>Prof. Ji Han, East China Normal University, Shanghai, P.R.C</i>
	(20-30 mins)	Discussions/Q&A: Arriving at key takeaways from the presentations - Steered by Session chair	
<b>3:00-3:15</b>	<b><u>Coffee break &amp; Networking</u></b>		
<b>Day 1 Session 3: <u>Project Management, Construction &amp; Execution</u></b>			
One of the most critical components of the realization of an infrastructure project is its execution. The following session focuses on the multiple components essential for the successful completion of an infrastructure project like HSR.			
<i>(Session Chair: Prof. Sudhir Mishra, Indian Institute of Technology Kanpur, India)</i>			
<b>Day 1 Session 3 (3:15 - 4:45)</b>	Four presentations (15 Mins Each)	<i>First HSR in India: Opportunities and Challenges</i>	<i>Prof. Sudhir Mishra, IIT Kanpur, India</i>
		<i>Land trust laws as a solution to the land acquisition dilemma for infrastructure development in Asia</i>	<i>Dr. Saumik Paul, Research Economist, ADBI, Japan</i>
		<i>Institutional challenges in the governance of rail transit megaprojects – Lessons from India</i>	<i>B. Mahesh, IIT Madras, India</i>
		<i>How the High-Speed-Rail Affects Local Land Prices: An Evidence from Taipei, China</i>	<i>Nuobu Renzhi, University of Tokyo, Japan</i>
	(20-30 Mins)	Discussions/Q&A: Arriving at key takeaways from the presentations - Steered by Session chair	
<b><u>Closing Session</u></b>			
<b>4:45-5:00</b>	<i>Concluding remarks by a Senior official from ADBI/WCTRS</i>		
<b><i>End of Day 1</i></b>			

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## Draft Agenda for Day 2: 4 Sessions + Closing Session

<i>Session (Session Time)</i>	<i>Session Length</i>	<i>Topic</i>	<i>Speakers</i>
<b>Day 2 Session 1: <u>HSR Case studies and experience from HSR operating Countries</u></b>			
<p>Since starting the first operations in Japan in 1964, the High-Speed Rail has become a prominent infrastructure over a period of more than 50 years. Along with major highways, the HSR has become the spine of some of the most important regional economic developments in the world. The following session will focus on bringing forth the experiences of the countries that have implemented HSR projects in the past. The session will bring out the discourse of HSR investments and implementation world over.</p>			
<i>(Session Chair: Mr. Chul Ju Kim, Deputy Dean, ADBI)</i>			
<b>Day 2 Session 1 (9:30– 10:30)</b>	Four presentations (15 Mins Each)	<i>Relation between HSR and Regional Development</i>	<i>Dr. Kazauki Hiraishi, MRI, Japan</i>
		<i>Transit Oriented Development and Station Area Development in Asian Cities</i>	<i>Prof. Tetsuo Kidokoro, University of Tokyo, Japan</i>
		<i>Railway Express between China and EU: New Model of International Transportation or Traditional tool of Economic Growth?</i>	<i>Dr. Ma Bin, Fudan University, P.R.C</i>
		<i>Safety Culture in High-Speed Railways and the importance of top-management decisions</i>	<i>Nikhil Bugalia, Yu Maemura, Prof. Kazumasa Ozawa, University of Tokyo</i>
	(20-30 mins)	Discussions/Q&A: Arriving at key takeaways from the presentations - Steered by Session chair	
<b>10:30- 11:00</b>	<b><u>Coffee break</u></b>		
<b>Day 2 Session 2: <u>Policy messages for senior government officials</u></b>			
<p>Implementation of an infrastructure project requires a cohesive policy environment. The following session will highlight how an optimal policy environment can maximize the spill-over effects of an infrastructure project like the HSR</p>			
<i>(Session Chair: Dr. K E Seetha Ram, ADBI)</i>			
<b>Day 2 Session 2 (11:00 – 12:00)</b>	Two presentations (20 Mins Each)	<i>Quantifying the economic and social impacts of high-speed rail: Some evidence from Europe and China</i>	<i>Prof. Roger Vickerman, Professor Emeritus, University of Kent</i>
		<i>30 Years of Experiences of JR Kyushu</i>	<i>Mr. Yoshitaka Ishii, Kyushu Railway Company</i>
	(20 mins)	Discussions/Q&A: Arriving at key takeaways from the presentations - Steered by Session chair	
<b>12:00-01:00</b>	<b><u>Lunch Break &amp; Networking</u></b>		

<i>Session (Session Time)</i>	<i>Session Length</i>	<i>Topic</i>	<i>Speakers</i>
<b>Day 2 Session 3: <u>HSR Station Area Development</u></b>			
Stations are an essential urban amenity for stoppage of any transport link infrastructure. The session focuses on a critical component of a successful HSR project implementation- Station Area Development. The session will bring out the critical case analysis of HSR stations and their surroundings.			
<i>(Session Chair: Prof. KVK Rao, Indian Institute of Technology Bombay, Mumbai)</i>			
<b>Day 2 Session 3 (1:00-2:30)</b>	Four presentations (15 Mins Each)	<i>Station Area Development along High-Speed Rail in India</i>	<i>Shuntaro Kawahara, Ayumi Kiko, Takehiro Kawahashi, JICA</i>
		<i>Travel and Land use impacts of Mumbai-Ahmedabad HSR in Mumbai Metropolitan Region</i>	<i>Chetan Kumar Hanni, Akash Yewale, Soham Chintawar KVK Rao, IIT Bombay, India</i>
		<i>HSR and Station Area Development</i>	<i>Shreyas Bharule, Tetsuo Kidokoro, University of Tokyo, Japan</i>
		<i>Interoperable Conventional Intercity and HSR Station Location Identification Model</i>	<i>Sandeepan Roy, Avijit Maji, IIT Bombay, India</i>
	(20-30 mins)	Discussions/Q&A: Arriving at key takeaways from the presentations - Steered by Session chair	
<b>2:30-3:00</b>	<b><u>Coffee Break &amp; Networking</u></b>		
<b>Day 2 Session 4: <u>Modelling Spill-over effects of the HSR for QoL</u></b>			
The session will have paper presentations highlighting the QoL change as an outcome of the spill-over effects of HSR implementation.			
<i>(Session Chair: Prof. Yoshitsugu Hayashi, Chubu University, Nagoya, Japan; President, WCTRS)</i>			
<b>Day 2 Session 4 (3:00 – 4:00)</b>	Four presentations (15 Mins Each)	<i>QOL method for appraisal of transport facilities: theory, case studies, and implications to Indian HSR</i>	<i>Prof. Yoshitsugu Hayashi, Chubu University, President WCTRS, Japan</i>
		<i>Modeling Spatio-temporal Urban Spillover Effect of High-Speed Rail Infrastructure Development</i>	<i>Satoshi Miyazawa, Dr. Jetpan Wetwitoo, Dr. K E Seetharam, ADBI, Japan</i>
		<i>How has High-Speed Rail improved Quality of Life in the People’s Republic of China</i>	<i>Zhihai Xie, Kyoai Gakuen University, Japan</i>
		<i>High-Speed Rail (HSR) as a new mode of intercity passenger transportation</i>	<i>Prof. Vukan R. Vuchic, Eugene Chao, U.S.A</i>
	(20-30 Mins)	Discussions/Q&A: Arriving at key takeaways from the presentations - Steered by Session chair	
<b>4:15-4:30</b>	<b><u>Coffee Break &amp; Networking</u></b>		
<b>Day 2 : Conference Closing Plenary Session</b>			
<b>4:30-6:00</b>	The closing session will summarise the two-day conference with lessons learned from the sessions as Policy messages for emerging economies planning to invest in HSR infrastructure. The panelists will be the session chairs, and Prof. Yoshitsugu Hayashi will steer the session.		
<b>End of Day 2</b>			