



Urban Mobility India 2011

Sixth Regional EST Forum in Asia

Conference cum Exhibition on
Sustainable Mobility

Organized by

Ministry of Urban Development
Government of India

United Nations Centre for Regional
Development (UNCRD)

World Health Organization (WHO)

Institute of Urban Transport (IUT)

Ministry of the Environment
Government of Japan

VENUE: The Manekshaw Centre, Dhaula Kuan, New Delhi 110 070, India

3rd to 6th December 2011
New Delhi

URBAN MOBILITY INDIA CONFERENCE & EXHIBITION-2011 & SIXTH REGIONAL ENVIRONMENTALLY SUSTAINABLE TRANSPORT (EST) FORUM

PROVISIONAL PROGRAMME

Conference Chair: Prof. Saugata Roy, Minister of State (Urban Development), Government of India

DAY 1 - Saturday, 3 December 2011

08:00 – 18:00	REGISTRATION
09:30 – 15:30	URBAN MOBILITY INDIA 2011 - RESEARCH SYMPOSIUM

PROGRAMME OF UMI 2011 RESEARCH SYMPOSIUM

0900h	0930h	Opening session Opening Address by Venue:				
0930h	1115h	Technical Session 1(a): Accessibility and Safety		Technical Session 1(b): Public Transportation		
		Venue: Chair: Prof D Mohan Rapporteur: Pankaj Prajapati		Venue: Chair: Prof G Tiwari Rapporteur: Rahul Goel		
		Rahul Tiwari IIT Madras	Unconventional Transport Measures for Improving Accessibility and Safety in Disaster Prone Hill Areas – Case Study of Gangtok, Sikkim (70)	S M Hassan Mahdavi M IIT Delhi	Effect of GDP on share of public transport and non-motorized vehicles in small and medium sized cities (72)	
		Deepty Jain IIT Delhi	Impact of different infrastructure improvements on accessibility of different type of users (67)	Chaphekar Unmesh Pradip CEPT Ahmedabad	Institutional Reforms in Public Transport - 'A Need of New and Comprehensive Outlook' (70)	
		Prutha N Shah CEPT Ahmedabad	Modelling Travel Behaviour of Men and Women (66)	Sungdikongro Imchen CEPT Ahmedabad	Transit Options For Hill Cities: A case of Kohima (66)	
		Hemangi Ashish Dalwadi	Exploring the Sustainable Transportation Indicators by comparing two Neighborhoods : A case of Ahmedabad city (60)	Margje Parikh IIM Ahmedabad	Simultaneous Pursuit of Efficiency and Innovation: Exploring Ambidexterity in Organization Design in the Public Urban Transport (62)	
Ninaad Surendrakumar Athalye	Identification of Black Spot Zones on National Highways: A Case study of Bhopal City (58)	Ranjana Prakash Menon Parisar	Critique of Pune's approach to transportation through an analysis of its budget (57)			

		SVNIT			
		Rutul B Joshi University of the West of England, Bristol (UK)	Building capabilities or 'trapped' in poverty?: poverty and transport linkages in the Indian cities (60)	<u>Swapna Ann Wilson</u> St. Xaviers College, Trivandrum	Pedestrian Routes and their linkage to Transit Terminals: Lifelines of Urban Mobility City of Ahmedabad a case (56)
1115h	1145h	Tea Break and Poster session Venue:			
1145h	1320h	Technical Session 2(a): Urban Land Use and Transport Venue: Chair: Prof S Swami Rapporteur: Deepty Jain		Technical Session 2(b): Public Transportation Venue: Chair: Prof S Gupta Rapporteur: Shalini Rankavat	
		<u>Pianka Bhattacharya</u> SPA Delhi	Transport Planning and Design strategies for Green city (68)	Saurabh Dandapat IIT Khargpur	Trip Makers' Perception towards Bus System Attributes: A Case Study in Kolkata (70)
		<u>Amit Arora</u> SPA Delhi	Mobility Patterns in Residential Neighbourhoods of Delhi: Characteristics and Issues (66)	<u>Pradeep Singh Kharola</u> IIT Delhi	Financing Urban Public Transport Systems – An 'Economic Firm' Approach (70)
		<u>Vishnu B</u> IIT Madras	Behavioral influence of worker's tour on non- workers tours (58)	<u>Vimal Kumar Gahlot</u> MNIT	Evaluation of City Public Transport System Using GIS (67)
		<u>Subodh Kant Dubey</u> BITS Pilani	A Comparative study of Route Choice Modeling using Fuzzy logic and Adaptive Neuro-fuzzy (57)	Mahesh Kumar Raman IIT Delhi	Bus Route Planning for Patna City (66)
		<u>Mansha Swami</u> SVNIT	Impact of Feeder Services on Ridership of BRTS in Surat City (57)	<u>Abhijit Ghosh</u> IIT Delhi	Financial Operational and Safety Performance of Bus System - Case Study DTC (62)
		<u>Pawan Dwivedi</u> SPA Delhi	Mobility Characteristics of Users In Mass Transit System in Metropolitan City of Delhi: Case Study Delhi Metro (59)	<u>Khelan M Modi</u> CEPT Ahmedabad	Towards an Integrated Public Transport System – A case of BRTS and city services, Ahmedabad (61)
1320h	1420h	Lunch Break Venue:			
1420h	1555h	Technical Session 3(a): Modeling Techniques Venue: Chair: Prof R Sivanandan Rapporteur: Gaurav Pandey		Technical Session 3(b): Traffic Management and Operations and Environment Venue: Chair: Prof CSRK Prasad Rapporteur: Sumeet Gupta	
		<u>Mariya Khatoon</u> IIT Delhi	Statistical analysis to measure pedestrian risk at Foot of Flyover (78)	Vivek Arora IIT Delhi	Comparison of Environmental Impacts by Different Technologies of Bituminous Road Resurfacing on the basis of Life Cycle Assessment (61)
		GS Sasane IIT Bombay	A Sustainable Approach of Modeling Regional Solid Waste Transportation System: Mumbai	Bandhan Bandhu Majumdar IIT Bombay	Developing a Model for the Quantification of Sustainability of a Road Corridor (61)

			Metropolitan Region (MMR), a Case Study (70)		
		<u>Shivprasad Bhagwanrao Khedkar</u> IIT Madras	Modelling the Influence of Cross Roads and Fringe Conditions on Travel Time (65)	Partha Pratim Sarkar IIT Guwahati	Travel behavior analysis using a simple O-D survey (58)
		<u>Ashish Dhamaniya</u> IIT Roorkee	Factors Affecting Capacity Of Urban Roads – A Review (63)	<u>Rinal Komal Chheda</u> IIT Bombay	Optimal solid waste transportation management system (56)
		<u>Subodh Kant Dubey</u> BITS Pilani	Headway Modelling: From Singular Model to Mixture Model (60)	Pradeep Kumar D NIT Warangal	Corridor Management Using Service Level Benchmarks (55)
		<u>Gopal R Patila</u> IIT Bombay	Solving Large Scale Network Design Problem using Genetic Algorithm (57)	Basil B, NIT Tiruchirappalli	Urban Speed Management - A case study of Tiruchirappalli city (55)
1555h	1625h	Tea Break and Poster session Venue:			
1625h	1700h	Closing Session Panel Discussion Venue:			

DAY 2 - Sunday, 4 December 2011

08:00 – 18:00	REGISTRATION
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PROGRAMME OF THE INTEGRATED CONFERENCE (UMI 2011 + SIXTH EST FORUM)

JOINT INAUGURAL SESSION (09:30 – 11:15)				
09:30 – 09:35	Welcome Remarks by Shri Sudhir Krishna, Secretary (Urban Development), Government of India			
09:35 – 09:40	Opening Remarks by Ms. Chikako Takase, Director, UNCRD/DESA			
09:40 – 09:45	Address by Dr. Poonam Khetrpal Singh, Deputy Regional Director, World Health Organization South-East Asia Region			
09:45 – 09:50	Address by Mr. Osami Sagisaka, Director General, Environmental Management Bureau, Ministry of the Environment, Government of Japan			
09:50 – 10:15	Key Note Address 1 by Shri Montek Singh Ahluwalia, Deputy Chairman of the Planning Commission of the Republic of India			
10:15 – 10:40	Key Note Address 2: Premature death and particulate matter (PM) pollution - a critical challenge in urban management by Mr. Robert O'Keefe, Vice President of the Health Effects Institute (HEI) and Chairman of CAI-Asia			
10:40 – 11:00	Key Note Address 3: Make cities become agents of change in promoting sustainable mobility by Dr. E. Sreedharan, Managing Director, Delhi Metro Rail Corporation (DMRC)			
11:00 – 11:10	Inaugural Address by Prof. Saugata Roy, Minister of State (Urban Development) Govt. of India and Conference Chairman			
11:10 – 12:00	Group Photo & Tea/Coffee Break			
JOINT PLENARY SESSION 1: PUBLIC HEALTH AND SAFETY IN SUSTAINABLE URBAN TRANSPORT (12:00 – 13:30)				
Session Chair: Shri Sudhir Krishna, Secretary (Urban Development), Ministry of Urban Development-India (tbc)				
Facilitator: Shri S.K. Lohia, OSD(UT) and EO Joint Secretary, Ministry of Urban Development-India (tbc)				
Rapporteur: Mr. Charles Martin Melhuish				
12:00 – 12:15	Implementing a system approach in support of the Decade of Action for Road Safety 2011-2020 by Dr. Chamaiparn Santikarn, Regional Advisor - Injury and Violence Prevention (IVP), WHO/SEARO			
12:15 – 12:30	Mainstreaming road safety in transport operations and financing in Asia by Mr. Oleg Tonkononenkov, Senior Transport Specialist, ADB			
12:30 – 12:45	Decade of Action for Road Safety and the challenge for urban cities by Ms. Tawia Addo-Ashong, Program Coordinator, Global Road Safety Facility, World Bank			
12:45 – 13:00	Preventing traffic deaths and injuries through sustainable transport measures, Dr. Madhav Pai, Director, EMBARQ India			
13:00 – 13:30	Q&A / Open Discussion			
13:30 – 15:00	Lunch / Visit to EXPO			
PARALLEL SESSIONS (15:00 – 16:30)				
UMI 1A:	UMI 1B:	Round Table 1:	Round Table 2:	EST 1:

Integrated Approach to Transport Planning	Bus Operations	Public Private Partnership (PPP), When and Where to Use?	How to Control the growing Number of Cars and Two-Wheelers?	Moving forwards on the Bangkok 2020 Declaration
<p>Session Chair: Secretary, Ministry of Housing and Urban Poverty Alleviation</p> <p>Rapporteur:</p>	<p>Session Chair: Shri Navin Kumar, Chief Secretary, Govt. of Bihar</p> <p>Rapporteur:</p>	<p>Anchor: Shri Cherian Thomas, IDFC</p>	<p>Anchor: Ms. Anumita Roy Choudhury, CSE</p>	<p>Session Chair: Arbab Alamgir Khan, Minister for Communications-Pakistan (tbc) Facilitator: Michael Replogle, Global Policy Director and Founder, ITDP Rapporteur: Heather Allen, Programme Director, TRL</p>
<p>Facilities for transport sensitive groups by Ms. Shreya Gadepalli, ITDP</p>	<p>Successful reform in bus operation – case of Seoul by Dr. Joonho Ko, Seoul Development Institute (SDI)</p>			<p>The Bangkok 2020 Declaration – a vision for Asia in promoting sustainable transport towards a green economy by C.R.C. Mohanty, Environment Programme Coordinator, United Nations Centre for Regional Development (UNCRD)</p>
<p>Congestion charging: options and impacts by Mr. Todd Litman, Executive Director, VTPI</p>	<p>Improving financial viability of city bus operations – case study of Bangalore by Shri K.R.Srinivas, M.D, Chairman, Bangalore Metropolitan Transport Corporation (BMTC)</p>			<p>Implementing the Bangkok 2020 Declaration – benefits and opportunities by Cornie Huizenga, Joint Convener, Partnership on Sustainable Low Carbon Transport (SLoCaT)</p>
<p>Greening the transport for poverty alleviation by Mr. Holger Dalkmann, Director, EMBARQ</p>	<p>Paradigm shift in PPP for bus operations in India by Prof. Shivanand Swamy, CEPT</p>			<p>2020 and Beyond: The Green Economy transition for transport in Asia and the Pacific by Lloyd Wright, Senior Transport Specialist, Asian Development Bank (ADB)</p>
<p>European and Indian solutions for a transport system compliant with the energy supply and the environment: measurable analyses (on the base of experiences</p>				<p>Global modal shift scenario - complementing Energy and CO2 benefits through implementing the Bangkok 2020 Declaration by Lewis M. Fulton, Senior Transport Energy Specialist, International Energy Agency (IEA)</p>

and recent EU legislation) by Prof. Bruno Dalla Chiara, EBTC						
Q&A / Open Discussion	Q&A / Open Discussion			Q&A / Open Discussion		
16:30 – 17:00	Tea/Coffee Break					
PARALLEL SESSIONS (17:00 – 18:30)						
UMI 2A: Transportation Systems Management	UMI 2B: Last Mile Connectivity	Round Table 3: Should Rail Transit be Preferred to Bus-based Modes?	Round Table 4: What Kind of Bus Should be Used for BRT?	EST 2: Country Reporting in Response to Bangkok 2020 Declaration – Initiatives, Achievements, Policies and Programs		
Session Chair: Shri Anil Bajjal, former Secretary, Ministry of Urban Development Rapporteur:	Session Chair: Shri Shivaramakrishna, former Secretary Ministry of Urban Development Rapporteur:	Anchor: UIC	Anchor: Shri Shivanand Swamy, CEPT University, Ahmedabad	Session Chair: Thomas Hamlin, DSD/ UN DESA Facilitator: Heather Allen Rapporteur: Marie Thynell	Session Chair: Chikako Takase, Director, UNCRD Facilitator: Sophie Punte Rapporteur: Simon Ka Wing Ng	Session Chair: O. P. Agarwal, World Bank Facilitator: Todd Litman Rapporteur: Bert Fabian
Use of technology for enforcement to make urban transport more effective by Shri Satyendra Garg, Jt. Commissioner (Traffic), Delhi Police	Planning for access to public transport stations – Case of Hyderabad by Shri N.V.S Reddy, Hyderabad Metro rail			<u>Group 1</u> Bangladesh India Japan Lao PDR Myanmar Nepal Philippines Thailand	<u>Group 2</u> Bhutan Brunei Cambodia China Indonesia Rep. of Korea Maldives Pakistan	<u>Group 3</u> Afghanistan Malaysia Mongolia Russia Singapore Sri Lanka Viet Nam
Traffic engineering measures for improving the flow of traffic by Mr. Mahesh Thakur, Executive Engineer, Municipal Corporation of Greater Mumbai	Planning for safe and effective pedestrian and bicycle facilities by Mr. Julien Allaire, Technical Director, CODATU Paris					

Use of ITS for efficient and effective traffic management by Mr. Takahiko Uchimura, Vice President, ITS Japan	Transforming cycle rickshaw – Case of Fazilka by Shri Navdeep Asija, Fazilka Eco Cabs					
Q&A / Open Discussion	Q&A / Open Discussion			<u>Panel Discussion</u> Lloyd Wright Roelof Wittink Holger Dalkmann	<u>Panel Discussion</u> Michael Replogle Lewis M. Fulton Cornie Huizenga	<u>Panel Discussion</u> Manfred Breithaupt Charles Melhuish Yoshitaka Motoda

19:45 onwards	Welcome Reception hosted by Minister of State (Urban Development)
19:45 – 20:15	Pre-reception talk by Chairman, Railway Board

DAY 3 - Monday, 5 December 2011

PARALLEL SESSIONS (09:30 – 11:00)					
UMI 3A: Mass Transit Options	UMI 3B: People and Environment Friendly Urban Transport Infrastructure Planning	Round Table 5: Sustainable Mobility and Large Housing Projects	Round Table 6: National Mission on Sustainable Habitat – Development of Standards	EST 3A: EST as the Basis for NAMAs (Nationally Appropriate Mitigation Actions)	EST 3B: Modal Share Development: How to Break the Trend
Session Chair: Dr. M. Ramachandran, former Secretary Ministry of Urban Development Rapporteur:	Session Chair: Prof. Dinesh Mohan, IIT Delhi Rapporteur:	Anchor : EMBARQ	Anchor: Ms. Shreya Gadepalli, ITDP-India	Session Chair: S. Sundar, Distinguished Fellow, The Energy and Resources Institute (TERI) Facilitator: Cornie Huizenga Rapporteur: Anup Bandivadekar	Session Chair: Faridullah Khan, Managing Director, ENERCON-Pakistan (tbc) Facilitator: Lloyd Wright Rapporteur: Herbert Fabian
State of art planning design and operation of BRT – case of Gujarat by Shri I.P. Gautam, Principal Secretary (UD), Gujarat	Urban Street design guidelines by Prof. Geetam Tiwari, IIT, Delhi			Environmentally Sustainable Transport as the Basis for NAMAs by Akshima T. Ghate, Fellow, Centre for Research on Sustainable Urban Development and Transport Systems, TERI	Making sustainable mobility a reality – how to break the trend by Manfred Breithaupt, Senior Transport Advisor, GIZ/ Santhosh Kodukula, Urban Transport Specialist, GIZ-SUTP (Sustainable Urban Transport Project)

Challenges faced by private parties in planning design and operation of rail/guided transit by Shri Anil P. Gupta, Reliance Infrastructure	Parking policy as a tool to enable modal shift by Ms. Anumita Roychoudhury, CSE			Opportunities and challenges of applying NAMAs in the transport sector in Asia: from Cancun to Durban by Thomas Hamlin, Technical Adviser -Energy, Transport and Climate Change, Division for Sustainable Development (DSD), UN DESA	Sustainable mobility alliance to improve mode share of public transport by Heather Allen, Programme Director, Transport Research Laboratory (TRL)
Multimodal integration through design of interchanges by Mr. Sam Zimmerman, World Bank	Designing feeder services for system integration by Shri OP Agarwal, World Bank			Mainstreaming transport co-benefits approach: a practical guide for evaluating transport projects by Jane Romero, Transport Specialist, Climate Change Group, Institute for Global Environmental Strategies (IGES)	How to build healthy and livable cities through safe and dedicated bicycle infrastructures – case of Changwon by Buok Rhee, Changwon Health Centre, and Sanghyuk Bae, Researcher, Seoul National University (SNU)
Presentation by Dopplemayr					
Q & A / Open Discussion	Q & A / Open Discussion			Q & A / Open Discussion	Q & A / Open Discussion
11:00 – 11:30	Tea/Coffee Break				
PARALLEL SESSIONS (11:30 – 13:00)					
UMI 4A: Livable Cities and Bench Marking	UMI 4B: Leveraging Strategies for Better Finances	Round Table 5: (continued)	Round Table 7: Should the City Have bus Services by Private Sector or Public Sector or a Mix?	EST 4A: EST for Green Economy	EST 4B: Rail Development as an Efficient Mass Transit Option
Session Chair: Shri S. Sunder, Distinguished Fellow, TERI Rapporteur:	Session Chair: Shri Anil P. Gupta, Reliance Infrastructure Rapporteur:	Anchor : EMBARQ	Anchor: Shri V.K. Dev, MD, DTC	Session Chair: Paljor J. Dorji, Deputy Minister, National Environment Commission-Bhutan (tbc) Facilitators: A.T.M. Nurul Amin, North South University (NSU) and Sungwon Lee, Head of the Center for Transport Economics and Social Cohesion, KOTI Rapporteur: Madhav Pai, EMBARQ	Session Chair: Jarukasemratana Silpachai, Deputy Permanent Secretary, Ministry of Transport-Thailand (tbc) Facilitator: Prodyut Dutt, Principal Transport Specialist, ADB Rapporteur: Abdul Quium, UN ESCAP
Environmentally sustainable and healthy urban	Issues in financing sustainable urban transport by Shri OP			Win-win transport solutions for green economy and climate mitigation by Holger Dalkmann, Director, The World	International perspectives on rail and sustainable development by Mukul Saran Mathur, Head of UIC Asia

transport towards a livable city - a case of Owariasahi City/Japan on integrated land use planning by Prof. Keiko Nakamura, AFHC, and Mr. Sadashi Toyoda, Owariasahi, Japan	Agarwal, World Bank			Resource Institute Center for Sustainable Transport (EMBARQ)	Regional Unit, International Union of Railways (UIC)
Multi-modal performance evaluation by Mr. Todd Litman, Executive Director, VTPI	Global experience in financing urban Mass Rapid Transit through PPP by Shri Anouj Mehta, ADB			Green economy policies in the transport sector - prospects and challenges by Shreekanth Gupta, Board member CAI-Asia	<u>Country case studies:</u> 1) India Shubhranshu, Executive Director, Indian Railways 2) Japan 3) Russia 4) Rep. of Korea Railway Development for Low Carbon, Green Growth in Korea by Jaehyun Park, Senior Researcher, Korea Railroad Research Institute (KRRI)
Tbilisi Sustainable Urban Transport Project: Improved project design to better measure long term impacts by Mr. Arnaud Dauphin, Urban Development Specialist (Transport), ADB	Leveraging land value capture along the Mass Transit Corridor by Mr. R.K. Jha, Director in Charge, Gujarat International Finance Tec-City (GIFT)			Pro-poor transport policy towards Green Economy by Geetam Tiwari, Indian Institute of Technology (IIT)-Delhi	
				Health consideration in developing green transportation by Zakir Hussain, WHO SEARO, New Delhi, India	
Q & A / Open Discussion	Q & A / Open Discussion			Q & A / Open Discussion	Q & A / Open Discussion
13:00 – 15:00	Lunch				
PARALLEL SESSIONS (15:00 – 16:30)					
UMI 5A: Fare Integration for Seamless Travel	UMI 5B: Regional & Suburban Connectivity	Round Table 8: Time and Cost Overruns in Projects - Causes and Solutions	Round Table 9: Cycle Sharing	EST 5A: Green Freight and Co-Benefits	EST 5B: Sustainable Management of Two and Three Wheelers in Asia
Session Chair: Shri	Session Chair: Shri	Anchor: Shri Mangoo	Anchor: Dr. Anvita	Session Chair: Ildefonso T. Patdu, Jr.,	Session Chair: Session Chair: Sommad

S.K. Lohia, OSD(UT) and Ex-officio JS, MoUD Rapporteur:	Rajiv Bhargava, Additional Member(Works), Railway Board Rapporteur:	Singh, DMRC	Arora	Assistant Secretary, Department of Transportation and Communications-Philippines Facilitator: Cornie Huizenga Rapporteur: Simon Ka Wing Ng	Pholsena, Minister, Ministry of Public Works and Transport-Lao PDR (tbc) Facilitator: Narayan V. Iyer Rapporteur: Charles Martin Melhuish
Case study of Taipei by Prof. Jason Chang	Planning design and operation of suburban/regional services by Shri Naresh Chandra - MRVC			Strategies for green and energy efficient freight system in Asia – case of Green Freight Program in China by Sophie Punte, Executive Director, CAI-Asia	Regulatory and institutional framework to control the driving forces of two-and-three wheelers by Anup Bandivadekar, International Council on Clean Transportation (ICCT)
Case study of Seoul and ADB's effort by Dr. Jin Young Park, Urban Development Specialist (Transport), ADB	Integration of regional and city travel by Mr. Oren Tatcher, Principal, OTC Ltd.			Presentations on private sector initiatives for green freight in Asia	New roadmap for motorcycle emission standard and fuel quality in Viet Nam by Duc Huu Do, Deputy General Director, Vietnam Register
Case study of Singapore by Mr. Silvester Prakasam, Director, Fare System Division, LTA-Singapore	Institutional administrative and legal issues by Shri OP Agarwal, World Bank			Discussion on the Declaration of Private Sectors on Green Freight towards a Green Economy	Cost-effective technology measures and financing options by Bert Fabian, Transport Program Manager, CAI-Asia
Q & A / Open Discussion	Q & A / Open Discussion			Q & A / Open Discussion	Q & A / Open Discussion
16:30 – 17:00	Tea/Coffee Break				
JOINT PLENARY SESSION 2: NMT – AN INTEGRAL PART OF THE URBAN PLANNING (17:00 – 18:30)					
Session Chair: Mr. Daniel M. Nicer, Assistant Secretary, Department of Environment and Natural Resources-Philippines Facilitator: Dr. Marie Thynell, Göteborg University Rapporteur: Mr. Santhosh Kodukula, Urban Transport Specialist, GIZ-SUTP					
17:00 – 17:15	Our cities ourselves: principles for transport in urban life by Mr. Michael Replogle, Global Policy Director and Founder, ITDP				
17:15 – 17:30	Cycling as an essential element of livable cities - key design principles by Mr. Roelof Wittink, Director, Dutch Cycling Embassy				
17:30 – 17:45	Innovative and pro-poor modal integration - integrating NMT into public transport system by Mr. Manfred Breithaupt, GIZ				
17:45 – 18:30	Q & A / Open Discussion				
19:45 onwards	Reception hosted by Delhi Development Authority (DDA)				
19:45 – 20:15	Pre-reception talk by His Excellency Shri Tejinder Khanna, Lt. Governor of Delhi				

Day 4 – Tuesday, 6 December 2011

JOINT PLENARY SESSION 3: INTELLIGENT TRANSPORT SYSTEMS FOR “BETTER CITY, BETTER LIFE” (09:00 – 10:30)	
Session Chair: Shri S.K. Lohia, OSD(Urban Development) and EO Joint Secretary, Ministry of Urban Development-India (tbc)	
Facilitator: Mr. Silvester Prakasam, Director, Fare System Division, LTA-Singapore	
Rapporteur: Dr. Jane Rovira Romero, Policy Researcher/Transport Specialist, Institute for Global Environmental Strategies (IGES)	
09:00 – 09:15	Three pillars for ITS development: National vision, investment, strong government leadership by Mr. Stephen Ezell, Senior Analyst, Information Technology and Innovative Foundation (ITIF)
09:15 – 09:30	Moving towards the next generation Intelligent Transport Systems in Japan by Mr. Takahiko Uchimura, Vice President, ITS Japan
09:30 – 09:45	Implementing Intelligent Transport Systems in developing countries – myths and realities by Mr. Sam Zimmerman, Urban Transport Adviser, World Bank
09:45 – 10:30	Q & A / Open Discussion
ADOPTION OF THE CHAIR’S SUMMARY (10:30 – 11:30)	
Session Chair: Prof. Saugata Roy, Minister of State (Urban Transport), Ministry of Urban Development-India and Conference Chairman	
10:30 – 11:30	Adoption of the Chair’s Summary
11:30 – 12:00	Tea/Coffee Break
JOINT VALEDICTORY SESSION (12:00 – 13:30)	
12:00 – 12:05	Joint Announcement of the Ministry of Housing and Environment and Ministry of Transport and Communications of the Government of Maldives: Mr. Hussain Shahid, Deputy Minister, Ministry of Housing and Environment
12:05 – 12:30	Presentation of the summary of proceedings of the Conference: Shri Sewa Ram, Head Transport Planning, School of Planning and Architecture, Delhi
12:30 – 12:40	Presentation of Urban Mobility Awards: Shri Kamal Nath, Honorable Minister for Urban Development
12:40 – 12:45	Declaration of Private Sectors on Green Freight towards a Green Economy
12:45 – 12:55	Valedictory Address: Ms. Chikako Takase, Director, UNCRD/DESA
12:55 – 13:20	Valedictory Address: Shri Kamal Nath, Honorable Minister for Urban Development
13:20 – 13:30	Launch of UMI 2012 and Vote of Thanks: Shri B.I. Singal, Director General, Institute of Urban Transport (India)
CLOSING LUNCH (13:30 – 15:00)	
EST FIELD TRIP (15:00 – 17:00)	