

Second International Conference on Infrastructure Systems and Services:  
Developing 21st Century Infrastructure Networks  
2009

Conference Programme



NEXT  
GENERATION  
INFRASTRUCTURES  
FOUNDATION



# Second International Conference on Infrastructure Systems and Services: Developing 21st Century Infrastructure Networks



## Conference programme:

8 December	Registration at Hotels
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9 December	08:30 - 09:00 AM	Official opening	Prof. V.S. Arunachalam, Prof.dr.ir. M.P.C. Weijnen (Conference chairs) Mr. J. Roodenburg, Deputy Head of Mission of the Embassy of the Kingdom of the Netherlands in New Delhi, India	
	09:00 - 10:30 AM	Inaugural session	Montek Singh Ahluwalia, Deputy Chairman, Planning Commission Government of India The Importance of Infrastructure for India's Future	
	10:30 - 11:00 AM	Break		
	11:00 AM - 1:00 PM	Special session 1	Dr. Ivo Wenzler Game: Managing Growth	
	1:00 - 2:00 PM	Lunch		
	2:00 - 4:30 PM	Paper session A + B	A. Panel on Contracts in Infrastructure	B. Panel on Infrastructure Provision and Maintenance
	4:30 - 5:00 PM	Break		
	5:00 - 6:30 PM	Special session 2	Infrastructure and Water Management - Links between India and the Netherlands	
7:00 PM	Banquet	Banquet at Fisherman's Cove, offered by the Embassy of the Kingdom of the Netherlands.		

10 December	08:30 - 11:00 AM	Keynote / panel discussion on Mobility	Dr. Georges Amar Notions of Mobility in the Modern City Dr. Harinarayana Kota Notions of Mobility in the Modern Nation Dr. Eswaran Subrahmanian Chairperson and Discussant	
	11:00 - 11:30 AM	Break		
	11:30 AM - 12:30	Paper session C	Parallel sessions of invited session and panel C Invited Session on Context and Studies in Infrastructure	
	12:30 - 1:30 PM	Lunch	C. Panel on Games in Infrastructure	
	1:30 - 3:30 PM	Keynote	Bert Klerk (Prorail) & Ravibabu Machala (RITES) moderated by Anand V. Innovations in Rail Management	
	3:30 - 4:00 PM	Break		
	4:00 - 7:00 PM	Paper sessions D + E Workshop I	Parallel sessions (D or E) & Workshops I D. Panel on Emergence of Infrastructure E. Panel on ICT Applications across Sectors	
	7:15 PM	Dinner	Workshop on Institutional Infrastructure in China, India, and the Netherlands Dinner at Asiana	

9.00 - 10.00 AM	<b>Keynote on Regulation</b>	<b>Prof. Jean-Pierre Chamoux</b> The Evolution of Regulatory Practices in Europe: Balancing State-Market Relations <b>Sudha Mahalingam</b> Chair and discussant
10.00- 10.30 AM	Break	
10:30 - 12:30 AM	<b>Special session 3 + paper session F</b>	<b>Parallel sessions of Simport and paper sessions</b> Dr. Igor Mayer (host)   F. Panel on Industrial Operations and Organization Simport I
12:30 - 2:00 PM	Lunch	
2:00 - 4:00 PM	<b>Special session 4 + paper session G</b>	Dr. Igor Mayer (host)   G. Panel on Electricity Markets Simport II
4.00 - 4.30 PM	Break	
4:30 - 5:00 PM	<b>Special session 5</b>	<b>Dr. Eswaran Subrahmanian and Prof.dr.ir. M.P.C. Weijnen</b> Closing session

## Papers

### A. Panel on Contracts in Infrastructure

*J.F.M. Koppenjan, J.G. Verlaan.* Tensions between Contracting Practices and Asset Management Aspirations: A Conceptual Framework for Comparing Public Infrastructure Sectors

*C.W. Furneaux, K.A. Brown, N.F. Ryan, S. Tywoniak, A. Gudmundsson.* Contracting out asset maintenance: How arrangements adapt over time

*T. von der Heide, P. Gillett, M.B. Charles, N. Ryan.* Contractual Arrangements and their Implications for the Provision of an Australian VFT

### B. Panel on Infrastructure Provision and Maintenance

*G.A. Devkar, Dr. A. Mahalingam, Dr. S.N. Kalidindi.* Strategies for Development of Competencies for Implementation of Urban Public Private Partnership Projects in India

*A. Hartmann, G. Dewulf.* Contradictions in Infrastructure Management – The introduction of Performance-Based Contracts at the Dutch Highways and Waterways Agency

*Y. Wijnia.* Asset Management for Infrastructure in Fast Growing Developing Countries

### C. Panel on Games in Infrastructure

*G. Bekebrede, S.A. Meijer.* Understanding Complex Infrastructure Systems: the Case of SimPort-MV2

*S.A. Meijer, P. van der Kracht, J.J.W. van Luipen, A.A.M. Schaafsma.* Studying a Control Concept for High-Frequency Train Transport

*L.J. de Vries, E. Subramanian, E.J.L. Chappin.* A Power Game: Simulating the Long-Term Development of an Electricity Market in a Competitive Game

### D. Panel on Emergence of Infrastructure

*J.H. Kwakkel, S.W. Cunningham, J.W.G.M. van der Pas.* Evaluation of Infrastructure Planning Approaches: an Analogy with Medicine Inverse infrastructures

*T.M. Egyedi, D.C. Mehos.* New Perspectives on Inverse Infrastructures

*S. Cunningham, J. Kwakkel, D.L. Bijl.* Theories of infrastructure provision

*R. Shankar, J. Chadchan, P. Sangeetha.* Integrating Urban Land Use and Infrastructure for Sustainable Development

## Papers

### E. Panel on ICT Applications across Sectors

*J. Appelman, A. Verbraeck, R. Gonzalez, D. van Gent, P. de Bruin.* ICT - Support for Crisis Management  
A case based approach

*A. Madureira, E. van Boven, N. Baken.* Towards a Systemic Development of Trans-sector Digital Innovations

*L.C.P. Broos.* The Unlikely Emergence of Next Generation Networks in the Light of Prevailing Telecomm  
Regulation

### F. Panel on Industrial Operations and Organization

*W. Ashton, A. Bain, M. Shenoy.* Resource reuse and recycling in an Indian industrial network: efficiency and  
flexibility considerations.

*S.S. Krishnan, N. Balasubramanian, E. Subrahmanian, V. Arun Kumar, G. Ramakrishna, A. Murali  
Ramakrishnan, A. Krishnamurthy.* Machine level energy efficiency analysis in Discrete manufacturing for a  
sustainable energy infrastructure

*R. Suriyanarayanan, A. Yegyanarayanan, P. Chitra S, G. Thiyagarajan, A. Sivasubramaniam.* An Activity Based  
Approach to Minimize Energy Usage of Service Sector Infrastructure

*J. Yang, A. Adhitya, R. Srinivasan.* Dynamic modeling of a Multi-site Chemical Manufacturing Supply Chain

### G. Panel on Electricity Markets

*S.B. Karmacharya, L.J. de Vries.* Addressing the Supply-Demand Gaps in India's Electricity Market: Long and  
short-term Options

*A. Abbasy, R. Hakvoort.* Exploring the Design Space of Balancing Services Markets – A Theoretical Framework

*E. Ogston, F. Brazier.* Apportionment of Control in Virtual Power Stations



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