

## Day 1: Wednesday 3rd February, 2010

8.00 – 9.00		<b>Breakfast And Registration</b>
9.00 – 9.45	<b>Welcome &amp; Inauguration</b>	<b>Prime Minister of India / Vice President / Union Minister (UD) / Union Minister (Hsg) / Dr Abdul Kalam / Chief minister * Prince Qaidjoher Ezzuddin</b> , Chairman, Saifee Burhani Upliftment Trust, <b>Lalit Gandhi</b> , Chairman, The Remaking of Mumbai Federation, Mumbai, <b>Justice P N Bhagwati</b> , President, The Remaking of Mumbai Federation, Mumbai, <b>Mayank Gandhi</b> , Secretary, The Remaking of Mumbai Federation, Mumbai, <b>Professor Sang Dae Kim</b> , CTBUH Chairman, Korea, <b>Antony Wood</b> , CTBUH Executive Director, Chicago, <b>David Scott</b> , CTBUH Vice-Chairman, New York
9.45 – 10.45	<b>Topic</b>	Plenary Session 1: Remaking Tall Sustainable Cities In The Vertical Age
	<b>Chair</b>	Antony Wood - CTBUH Executive Director, Chicago
	<b>Speaker 1</b>	Charles Correa, Charles Correa Architects, Mumbai, <b>India: High Rise &amp; High Density</b>
	<b>Speaker 2</b>	David Nelson, Foster & Partners, London, <b>The Sustainable City</b>
	<b>Q &amp; A</b>	

# CTBUH 2010

## World Conference - INDIA

### Remaking Sustainable Cities in the Vertical Age

3<sup>rd</sup> - 5<sup>th</sup> February 2010, Renaissance Hotel & Convention Centre, Mumbai

10.45 – 11.15	<b>Coffee Break</b>			
11.15 – 12.45	<b>Topic</b>	<b>Track 1: Policies for Sustainable Development</b>	<b>Track 2 : Tall Buildings and Cities</b>	<b>Track 3 : Towards Carbon Neutral Cities</b>
	<b>Chair</b>	Jan Klerks, CTBUH, Chicago	Mahesh Mudda, Builders Association of India, Mumbai	William Maibusch, Turner International, Doha
	<b>Speaker 1</b>	Shyam Sunder & Barbara Lippiat, <i>National Institute of Standards &amp; Technology, USA</i> "US Agenda for Net-Zero Energy, High Performance Green Buildings"	Sudhir Jambhekar, <i>FXFowle Architects, New York</i> Beyond Tall Buildings	Stan Gale, <i>Gale International, New York</i> Songdo IBD and the Future of Smart, Sustainable City-Scale Development
	<b>Speaker 2</b>	Peter Murray, <i>Wordsearch / New London Architect, Centre, London</i> "How Tall is Dense? Coping with London Growth"	James von Klemperer & David Malott, <i>Kohn Pedersen Fox, New York</i> Symbiosis: Supertalls and Future Cities	Daniel Ringelstein, <i>Skidmore Owings and Merrill LLP, London</i> Smart Cities for the 21st Century
	<b>Speaker 3</b>	Scott Wrighton, <i>Lavasa Corporation Ltd, India</i> Successful Urban Democratic Governance	S K Das, <i>SK Das Associated Architects, New Delhi</i> City, Multiplicity and Specificity	Gary Lawrence, <i>Arup, Seattle</i> What do you care what other people think?
	<b>Q &amp; A</b>			
12.45 – 1.45	<b>Lunch</b>			
1.45 – 3.15	<b>Topic</b>	<b>Track 4: The Complexities of Urban Development</b>	<b>Track 5 : Advances in Construction &amp; Materials</b>	<b>Track 6 : New Cities: India</b>
	<b>Chair</b>	Girish Bhagat, Euro-India Centre & RICS, India	Rajiv Mishra, Sir JJ Architecture College, Mumbai	R.C.Mishra, Ministry of Urban Development, India
	<b>Speaker 1</b>	Steve Watts, <i>Davis Langdon, London</i> The Economics of Sustainability & Mixed-Use	Joseph Colaco, <i>CBM Engineers, Houston</i> Design & Construction of Taller Towers in India	Ajit Gulabchand, <i>Lavasa city, India</i> Decentralizing Cities: Lavasa city
	<b>Speaker 2</b>	Atha Forsberg, <i>Construction, Willis Group, Chicago</i> Insurance and the City	David Klinger, <i>Alumayer, Israel</i> Double Skin Walls & Facade Maintenance Systems	Hari Sankaran, <i>IL&amp;FS, India</i> Gujarat International Finance Tec-City: A New Glittering Global City Among Chaos
	<b>Speaker 3</b>	Tim Johnson, <i>NBBJ, New York</i> Designing Vital Urban Environments	Juergen Gnida, <i>PERI GmbH, Germany</i> Formworks for High - Rise Construction	Ari Daman, <i>Landscape ID, New York &amp; Bangalore</i> Ecological Urbanism – A New Landscape Paradigm
	<b>Q &amp; A</b>			
3.15 – 3.45	<b>Coffee Break</b>			
3.45 – 5.15	<b>Topic</b>	<b>Track 7: Planning Indian Urban Agglomerations</b>	<b>Track 8 : Harnessing Energy &amp; Wind Issues</b>	<b>Track 9 : New Cities: Asia &amp; Middle East</b>
	<b>Chair</b>	Akhtar Chauhan, Rizvi Architecture College, Mumbai	Richard Keating, Keating Khang / Jacobs, Pasadena	Sabah Al-Rayes, PACE Construction, Kuwait
	<b>Speaker 1</b>	Ramesh Ramnathan, <i>Jawaharlal Nehru National Urban Renewal Mission, India</i> Initiatives for Urban Renewal in India	Russell Gilchrist, <i>Skidmore Owings &amp; Merrill, Chicago</i> Sustainable Strategies for High Rise Buildings	Bernardo Fort-Brescia, <i>Arquitectonica, Miami</i> Key Determinants that Guide Master Planning in the Middle East and Asia
	<b>Speaker 2</b>	Karuna Gopal, <i>Foundation for Futuristic Cities, Hyderabad</i> Imagining Indian Cities – Governance for Sustainability	Peter Irwin & Roy Denoon, <i>RWDI &amp; CPP, Canada</i> New CTBUH Guidelines for Wind Tunnel Testing of Tall Buildings	Jeff Heller, <i>Heller Manus Architects, San Francisco</i> The Future of Sustainable Urban Design on a Large Scale: Guangzhou
	<b>Speaker 3</b>	Prathima Manohar, <i>The Urban Vision, Bangalore</i> , Framing India's Urban Agenda: Why India needs Compact High density Cities	Volker Buttgerit, <i>BMT Fluid Mechanics Ltd, London</i> . The Role of Wind Tunnel Technology in The Assessment of Building-Integrated Wind Turbines	Michel St Pierre, <i>Gensler, Shanghai / San Francisco</i> Sustainable World Cities: Shanghai's Ambitious Plan
	<b>Q &amp; A</b>			

## Day 2: Thursday 4th February, 2010

8.00 – 9.00		<b>Breakfast And Registration</b>
9.00 – 9.15	<b>Welcome</b>	
	Day Chair	David Scott - CTBUH Vice-Chair / Arup, New York
9.15 – 10.45	<b>Topic</b>	<b>Plenary Session 2: The Remaking of Mumbai</b>
	Chair	Sang Dae Kim - CTBUH Chairman, Seoul
	<b>Speaker 1</b>	Shri Ratnaker Gaikwad, Metropolitan Commissioner, Mumbai Metropolitan Redevelopment Agency (MMRDA), Mumbai, <b>The Re-making of Mumbai in the Sustainable Age</b>
	<b>Speaker 2</b>	Lalit Gandhi & Mayank Gandhi, The Remaking of Mumbai Federation, Mumbai, <b>An Integrated Development Plan for Mumbai</b>
	<b>Speaker 3</b>	Antony Wood, CTBUH Executive Director / Associate Professor, Illinois Institute of Technology, Chicagom <b>The Re-making of Mumbai: Search for an Appropriate Skyscraper Response</b>
	<b>Q &amp; A</b>	

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10.45 – 11.15	<b>Coffee Break</b>			
11.15 - 12.45	<b>Topic</b>	<b>Track 10: Mumbai Development</b>	<b>Track 11 : Urban Redevelopment in India</b>	<b>Track 12: India – Multiple Complexities</b>
	Chair	Girish Gokhale, Ex-Municipal Commissioner, Mumbai	Anil Hatkar, Arc-Aids, Architl. & Allied Services, India	Anand Gupta, Builders Association of India, Mumbai
	<b>Speaker 1</b>	Swadhin Kshatriyam <i>Municipal Corporation of Greater Mumbai Infrastructure Challenges in the Urban Renewal of Mumbai</i>	Abis Rizvi, <i>Rizvi Group, Mumbai Integrated Approach to Slum Redevelopment</i>	Dharmesh Jain, <i>CREDAI, Mumbai Accelerating Development: Ways to Meet The Increasing Supply Gap</i>
	<b>Speaker 2</b>	Anil Menon, <i>President, CISCO Systems Inc., Changing a City, a Country, the World</i>	Gautam Chatterjee, <i>MHADA &amp; Officer on Special Duty, Dharavi Redevelopment Project Primacy of Stakeholders in Urban Redevelopment</i>	Andrew Tindsley, <i>BDP, London Time, Place and Identity</i>
	<b>Speaker 3</b>	Mukesh Mehta, <i>M M Project Consultants, Mumbai Slums to Beyond – The Dharavi Experience</i>	Sen Kapadia, <i>Sen Kapadia Architects, Mumbai Sustainable Cluster Vertical Neighborhood Development</i>	Lalit Gandhi & Mayank Gandhi, <i>Remaking of Mumbai Federation, Mumbai Remaking of the C ward</i>
	<b>Q &amp; A</b>			
12.45 – 1.45	<b>Lunch</b>			
1.45 - 7.00	Technical Tours(optional) of the following buildings will take place on the afternoon of Thursday 4th-February: Palais Royale, Dharavi, C - Ward, Kancharjunga and Cultural Tour of South Mumbai			

## Day 3: Friday 5th February, 2010

8.00 – 9.00		<b>Breakfast And Registration</b>
9.00 – 9.15	<b>Welcome</b>	
	Day Chair	Antony Wood - CTBUH Executive Director, Chicago
9.15 – 10.45	<b>Topic</b>	<b>Plenary Session 3: The Future Of Tall Buildings</b>
	Chair	Antony Wood - CTBUH Executive Director, Chicago
	<b>Speaker 1</b>	Dr. Ken Yeang, <i>Llewelyn Davies Yeang, London</i> , <b>The Ecoskyscraper: Critical Regionalist Considerations</b>
	<b>Speaker 2</b>	Cathy Yang, <i>Taipei Financial Center Corporation, Taiwan</i> , <b>Taipei 101: Greening the World's Tallest</b>
	<b>Speaker 3</b>	Alain Robert, <i>Skyscraper Spiderman, Paris</i> , <b>Skyscraper: View from The Outside</b> , on High.
	<b>Q &amp; A</b>	

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### 10.45 – 11.15 Coffee Break

11.15 - 12.45	<b>Topic</b>	<b>Track 13: Tall Buildings: Urban &amp; Social Trends</b>	<b>Track 14 : Advances in Structural Engineering (I)</b>	<b>Track 15 : Advances in Vertical Transport (I)</b>
	Chair	Dirk Lohan, Lohan Anderson, Chicago	Don Davies, Magnusson Klemencic Assoc., Seattle	Krishan Khanna, i2k solutions, Mumbai
	<b>Speaker 1</b>	Georges Binder, <i>Buildings &amp; Data SA, Belgium</i> <b>Tall &amp; Urban Trends: 2010, 2020 and Beyond</b>	William Baker, <i>Skidmore Owings &amp; Merrill, Chicago</i> <b>Supertalls: The Next-Generation</b>	Johannes De Jong, <i>KONE, Finland</i> <b>Elevating Issues Affecting High Rise Buildings in India</b>
	<b>Speaker 2</b>	Jan Klerks, <i>CTBUH, Chicago</i> <b>Skyscraper Policies: Shaping a Tall Building Framework through Planning and Zoning</b>	David Scott, <i>Arup, New York</i> <b>Elegant Efficiency for Complex Tall Towers</b>	John Mizon, <i>Schindler, USA</i> <b>Transit Management – Now it's Possible</b>
	<b>Speaker 3</b>	Jason Pomeory, <i>Broadway Malayan Asia, Singapore</i> <b>Room at the Top-Alternative Social Spaces in Singapore</b>	Jong-Soo Kim & Sang Dae Kim, <i>CS Structural Engineering &amp; Korea University, Seoul</i> <b>Structural Design of The Rechensia Tower</b>	Roberto Zappa, <i>Sematic Group, Italy</i> <b>Door Solutions for High-Rise Applications</b>
	<b>Q &amp; A</b>			

### 12.45 – 1.45 Lunch

1.45 – 3.15	<b>Topic</b>	<b>Track 16: Architectural &amp; Urban Advances</b>	<b>Track 17: Construction &amp; Facades</b>	<b>Track 18: Tall Buildings: Other Issues</b>
	Chair	Robert Lau, CTBUH, Chicago	Raj Lakhani, PERI India, Mumbai	Mark Garland, Lewis Builds, Toronto
	<b>Speaker 1</b>	Ming Zhang, <i>Mulvanny G2 Architecture, USA</i> <b>One Solution does not fit all: Redeveloping The Urban Context</b>	Ahmad Abdelrazaq, <i>Samsung Construction &amp; Technology, Seoul</i> <b>Use of the Latest Technologies in Tall Building Design and Construction Planning</b>	Philip Oldfield, <i>University of Nottingham, UK / CTBUH</i> <b>The Carbon Impact of Tall: Embodied Energy</b>
	<b>Speaker 2</b>	Kaizer Rangwala, <i>Rangwala Associates, California</i> <b>Contextual Tall Buildings In India</b>	Peter Oborn, <i>Aedas, London</i> <b>Dynamic Facades &amp; Parametrics; A New Vernacular?</b>	Simon Lay, <i>WSP Fire, London</i> <b>Don't be Scared of Performance Based Design</b>
	<b>Speaker 3</b>	Stephan Reinke, <i>Stephan Reinke Architects, London</i> <b>Place Making: Urban Design &amp; The Tall Building</b>	Joe Burns, <i>Thomton Tomasetti, Chicago</i> <b>Tall &amp; Supertall: Structure and Skin Performance</b>	Clive Robinson, <i>TEKLA, Finland</i> <b>BIM: Vehicle for Transferring Structural Design Info</b>
	<b>Q &amp; A</b>			

### 3.15 – 3.45 Coffee Break

3.45 – 5.15	<b>Topic</b>	<b>Track 19: Urban Case Studies</b>	<b>Track 20: Advances in Structural Engineering (II)</b>	<b>Track 21: Advances in Vertical Transport (II)</b>
	Chair	Jashwant Mehta, Mehta Enterprises, Mumbai	Chuck Besjak, Skidmore Owings & Merrill, New York	Uday Kulkarni, Schindler, India
	<b>Speaker 1</b>	Philip Castillo, <i>Murphy / Jahn, Chicago</i> <b>New Vertical Cities: The Spire at Ras Al Khaimah</b>	Cary Kopczynski, <i>Cary Kopczynski &amp; Company, Seattle</i> <b>Envisioning the Future: Building Design and Construction in The New Millennium</b>	Rick Barker, <i>Barker Mohandas LLC, USA</i> <b>Improved Vertical Transport Techniques for Super Tall</b>
	<b>Speaker 2</b>	Hyung Il Lee, <i>Samoo Architects &amp; Engineers, Seoul</i> <b>Dongtan: Green City in Sync with the Land</b>	Satish Jain & Joe Maffei, <i>Rutherford &amp; Chekene / SJC, California</i> <b>Performance Based Design of Tall Buildings</b>	Jim Fortune, <i>Fortune Consultants, USA</i> <b>Emergency Building Evacuations via Elevators</b>
	<b>Speaker 3</b>	Felino Palafox, <i>Palafox Associates, Manila</i> <b>Philippines: Best &amp; Worst Urban Practices</b>	Farshad Berahman & Matthew Esther, <i>W.S. Atkins, Dubai</i> <b>Hybrid Solutions for Tall Buildings</b>	Aaron Vanney, <i>Rolf Jensen, Chicago</i> <b>Protection of Elevators for Building Evacuation: Code Requirements, Design and Case Studies</b>
	<b>Q &amp; A</b>			