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**5th UITP International Bus Conference
Bus Systems without Limits
Attractive, Accessible, Adaptive, Clean and Cost-Effective**

Bogota, 14-16 February 2007

[SPEAKERS' PRESENTATIONS](#)

4th Assembly of the UITP Bus Division

Chair: Victor Raul Martinez Palacio, Vice President of the UITP Latin America Division;
Gerente General, Sistema Integrado de Transporte (SI99), Bogota, Colombia

Minutes

Overview on activities of UITP Bus Committee period 2005-2007 (PowerPoint)

Oscar Sbert Lozano, Chairman UITP Bus Committee

Transport Corridor study in Latin America (PowerPoint)

Claudio Varano, UITP Working Group Coordinator; Commercial Manager, Arintech Intelligent Technologies SA, Buenos Aires, Argentina

An overview of Bus Rapid Transit in the United States and Lessons Learned from South America (PowerPoint)

George Darido, National Bus Rapid Transit Institute (NBRTI), University of South Florida, US

Alasdair Cain, National Bus Rapid Transit Institute (NBRTI), University of South Florida, US

Membership situation of the UITP Bus Division (PowerPoint)

Arno Kerkhof, Division and Commission Manager, International Association of Public Transport (UITP), Bruxelles, Belgium

Opening session

Opening addresses

Hon Andres Uriel Gallego, Minister of Transport, Government of Colombia, Bogota, Colombia

Hon Luiz Eduardo Garzon, Mayor of Bogota, Colombia

Hans Rat, Secretary General, International Association of Public Transport (UITP), Brussels, Belgium

Angelica Castro Rodriguez, Gerente General, Empresa de Transporte del Tercer Milenio Transmilenio S.A. (Transmilenio), Bogota, Colombia

Victor Raul Martinez Palacio, Gerente General, Sistema Integrado de Transporte (SI99), Bogota, Colombia

Keynote address: Bus, a core element of urban life. Colombia's investment program in bus infrastructure, public transport and quality for life ([PowerPoint](#))

Andres Garcia Arizabaleta, Vice-Minister of Transport, Government of Colombia, Bogota, Colombia

Session 1: Bus system development: service, organisation and labour

Chair: Victor Raul Martinez Palacio, Vice President of the UITP Latin America Division;

Gerente General, Sistema Integrado de Transporte (SI99), Bogota, Colombia

Achieving BRT level of service with competition in the market: lessons from Latin American cities with BRT systems ([Speech - PowerPoint](#))

Arturo Ardila, Assistance Professor, Universidad de los Andes, Bogota, Colombia

High Level BRT: an option to consider even at very high demand levels ([Speech - PowerPoint](#))

Dario Hidalgo, Transportation Consultant, Booz Allen Hamilton, Bogota, Colombia

Key findings of the international Bus Benchmarking Group : bus driver productivity, service control and route management

Eric Randall, Senior Research Associate, Imperial College, London, United Kingdom ([PowerPoint](#))

Guillem Camarasa, Direction, Business Operation Center, Horta,

Transports Metropolitans de Barcelona, S.A. (TMB), Barcelona, Spain
([PowerPoint](#))

Session 2: Bus systems concepts and experiences

Chair: Kleist Sykes, Chief Executive, DAR Rapid Transit (DART) and former Mayor of Dar-es-Salaam, Tanzania

The BHNS Concept: French Touch BRT ([PowerPoint](#))
Paul Gardey de Soos, Prospective et Développement Innovant, Régie Autonome des Transports Parisiens (RATP), Paris, France

Dwell time relationships for a high capacity BRT system
([PowerPoint](#))
Harvey Scorcia, Civil Engineer, Universidad de los Andes, Bogota, Colombia
German Lleras, Instructor, Universidad de los Andes, Bogota, Colombia

Australasian BRT: Diverse high quality low cost transit solutions for low density cities ([PowerPoint](#))
Graham Currie, Professor and Chair Public Transport, Institute of transport studies, Monash University, Melbourne, Australia

Session 3: Infrastructure design

Chair: Jurandir Fernandes, Chairperson UITP Latin America Division; Governor of the State of Sao Paulo, Sao Paulo, Brazil

BRT & BRMT (Bus Rapid Massive Transit) in Brazil – Types, Capacity and Problems ([Speech](#) - [PowerPoint](#))
Nei Simas, Architect, ALTRAN TCBR, Brasilia, Brazil
Eraldo Constanski, Engineer, ALTRAN TCBR, Brasilia, Brazil

Improving bus stops patronage through accessibility studies
([PowerPoint](#))
German Lleras, Instructor, Universidad de los Andes, Bogota, Colombia

Results from ANTP accessibility study ([PowerPoint 1](#) - [PowerPoint 2](#))

Jurandir Fernandes, Chairperson UITP Latin America Division;
Governor of the State of Sao Paulo, Sao Paulo, Brazil

Session 4: Improving service quality and Public Transport image

Chair: Hans Rat, Secretary General, UITP, Brussels, Belgium

Bus Academy (Speech - PowerPoint - Video EN - FR - NL)
Stéphane Comer, Director Bus Division, STIB/MIVB, Brussels, Belgium

Measuring the service quality of the bus service (PowerPoint)
Benjamin Condry, Senior Researcher, Imperial College London,
London, United Kingdom

Beyond a bus delivery (PowerPoint)
Victor Hugo Castillo Gutiérrez, BRT – Telematics, Volvo Bus
Corporation, Gothenburg, Sweden

Session 5: Reducing environmental impact

Chair: Eurico Divon Galhardi, Vice-president, Associação Nacional das
empresas de transportes urbanos (NTU), Brasilia, Brazil

Driveline design for optimized operation on BRT systems
(PowerPoint)

Rogério Pires, Division Manager, Voith Turbo, Sao Paulo, Brazil

Electrical Mega-buses (PowerPoint - Video)
Enrique Luque Aleman, Manager Strategic Business Development,
Vossloh Kiepe GmbH, Düsseldorf, Germany

Retrofitting 1000 buses with CRT filters (PowerPoint)
Burkhard Eberwein, Member of the UITP Bus Committee; Head of
Quality, BVG, Berlin, Germany

40 years of environmental friendliness – the LPG fleet of
Wiener Linien (Speech - PowerPoint)
Fritz Machala, Vice-Chairman of the UITP Bus Committee; Director,
Wiener Linien, Vienna, Austria

Session 6: Financial challenges and opportunities

Chair: Marcos Pimentel Bicalho, Diretor Superintendente, Associacao Nacional de Transportes Publicos ANTP, Sao Paulo, Brazil

Marketing and public awareness (PowerPoint)

Carlos Felipe Pardo, Project Coordinator, GTZ SUTP, Bogota, Colombia

Lost capital and the possibility of recovering it through a distribution system (PowerPoint)

Francisco José Mira Romero, Consultant, Steer Davies Gleave, Bogota, Colombia

Trolleybus System (Speech - PowerPoint)

Horst Schaffer, Spokesperson/Consultant, TrolleyMotion, Zürich, Switzerland

Closing session: BRT/LRT, reorganising bus systems

Chair: Hans Rat, Secretary General, UITP, Brussels, Belgium

Results from the UITP working group "High Capacity Surface Transport" (PowerPoint)

Joao Marrana, Member of the UITP Transport and Urban Life Commission; Administrator, Sociedade de Transportes Colectivos do Porto SA, Porto, Portugal

Panel with eminent experts from several continents from the world drawing up the conclusions of the Conference

- Victor Raul Martinez Palacio, Vice President of the UITP Latin America Division; Gerente General, Sistema Integrado de Transporte (SI99), Bogota, Colombia
- Kleist Sykes, Chief Executive, DAR Rapid Transit (DART) and former Mayor of Dar-es-Salaam, Tanzania (Presentation)
- Pavanjeet Singh Sandhu, Director (S V & E), Bangalore Metropolitan Transport Corporation, India (Presentation)
- Peter L. Alouche, Adviser, PA connection & TRENDS Engenharia e Tecnologia, Sao Paulo, Brazil (PowerPoint)
- George Darido, Senior Research Associate, National Bus Rapid Transit Institute (NBRTI), University of South Florida, US

Final concluding remarks (Text)

Oscar Sbert Lozano, Chairman of the UITP Bus Committee; TMB,
Barcelona, Spain

STUDY TOUR

Lima

Metropolitano (PowerPoint - Video)

Sistema de aprovisionamiento de gas natural (PowerPoint)

Quito

Unidad operadora del sistema trolebus (PowerPoint)

Dirección metropolitana de transporte y validad (PowerPoint)

Vossloh Kiepe GmbH (PowerPoint)

Bogota

Transmilenio virtual visit (Video)

PICTURES

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Bogota

Bogota's views

Conference

Social events

Transmilenio

Lima

Study tour

Quito

Quito's views

Study tour