

Date	Tuesday april 17th, 2018
Hour	Description
13:00 - 15:00	Technical visit to Metro de Medellín
16:00 - 18:00	Visit to the Comuna 13 escalators

Date	Wednesday april 18th, 2018					
Hour	Room Inntempo			Room Innova		
	Session	Description	Speaker	Session	Description	Speaker
08:30 - 10:00	Registration					
10:00 - 10:40	Opening of the event in charge of projects MOVICI and MOYCOT					
10:40 - 11:00	Coffee break					
11:00 - 12:15	Session 1: Governance - part I (3 presentations)	1. Presentation in charge of Area Metropolitana del Valle de Aburrá.	Eng. Claudia Díaz Díaz			
		2. How the Forms of Urban Sustainable Mobility Allow to Understand Bicitaxismo in the Public Space of Bogotá?	Michelle Rodriguez			
		3. Technological Management for Imposing Traffic Subpoenas in the Streets of Bogota D.C. Using Mobile Devices	Augusto Velasquez Mendez			
12:15 - 13:45	Social lunch with DLR					
13:45 - 14:30	Keynote - Evolution, Revolution, Transformation: How digitalization and automation are about to change mobility in cities worldwide, Dirk Heinrichs (DLR)					
14:30 - 15:10	Discussion session with DLR					
15:10 - 15:30	Coffee break					
15:30 - 17:10	Session 2: Traffic modeling and simulation (4 presentations)	1. Simulating Future Mobility with SUMO	Dr. Robert Hilbrich, DLR	Session 3: Traffic management and ITS - part I (4 presentations)	1. The future of the integration of urban and inter-urban ITS - Modeling as a decision support system in different time horizons	Klaus Banse, ITS Colombia
		2. Origin-Destination matrix estimation based on microsimulation and optimization	Christian Portilla		2. ITS in Germany and the Example Traffic Management System VAMOS in the Dresden Region	Prof. Jürgen Krimmling
		3. Cívica, A System for Moving Intelligently in the City of Medellín	Eng. Juan Fernando Duque Valencia, Metro de Medellín		3. An Expert Model for Managing Mobility: A Decision-making Support System for the Traffic Control Center of Medellín	Juan Manuel Restrepo
		4. Door-to-door service or fare?: Analyzing travellers' choice for ridepooling services with the help of Conjoint Analysis.	Alexandra König		4. Dynamic Assignment of Traffic Lights Plans as a Strategy for Reducing Vehicle Congestion	Mauricio Carranza

Date		Thursday april 19th, 2018				
		Room Inntempo			Room Innova	
Hour	Section	Description	Speaker	Session	Description	Speaker
08:00 - 08:15	Welcome in charge of Professor Jairo Espinosa					
08:15 - 09:30	Special session 1: Meteorology, Traffic and Urban Air Quality - part I (3 presentations)	1. MIMOZA – A tool to evaluate the effect of Low Emission Zones on vehicles air emissions	Thamara Vieira Da Rocha			
		2. Pedestrianization and semi-pedestrianization: a model for recovery public space in the Center of Medellín	Matilde Tobon Maya			
		3. Vehicular Emissions Reduction for Urban Traffic Networks	Anna Sarrazola			
09:30 - 10:15	Keynote - Bottom-up sustainable mobility: how to achieve solutions in the complex quadruple helix, Wouter Florizoone					
10:15 - 10:35	Coffee Break					
10:35 - 12:15	Special session 1: Meteorology, Traffic and Urban Air Quality - part II (4 presentations)	1. A box modeling approach for air quality management in Aburra Valley	Ricardo Ramírez Narnajo			
		2. Evaluation of Pollutants Dispersion in an Urban Traffic Scenario in the City of Medellín	César Augusto Gómez Pérez			
		3. Methodologies for Estimating Pollutant Emissions Generated by Trucks to the Atmosphere	Heliana Marcela Restrepo Peña			
		4. The "Other" Smart City	Hernán Benjumea			
12:15 - 13:45	Social lunch with MOYCOT					
13:45 - 15:00	Special session 2: Technologies and Developments in Electric Mobility Systems - part I (3 presentations)	1. Electric Vehicles: Towards a sustainable Transportation in Perú	Rubén Galeas			
		2. An Optimal Battery Management System for Electric Bus Rapid Transit Charging Stations in Medellín	Semaria Ruiz			
		3. Design of a PV charging station by implementing the VDI 2206	Rafael Sanín			
15:00 - 15:20	Coffee Break					
15:20 - 16:35	Session 4: Mobility and smart cities (3 presentations)	1. A Comparison of Accessibilities Between the City of Berlin and Mexico City.	Daniel Krajzewicz	Session 5: Governance - part II (3 presentations)	1. Ride hailing in Bogotá: Alternatives to deal with transportation disruptive technologies.	Daniel Escobar Castilla
		2. The smart(phone) way of cycling.	Alexander Schrage		2. The Pleasure of Walking through Downtown of Colonial Cities	Jonatan Jair Villamarin Monroy
		3. Applying GPS Tracking to understand Para-transit: What can we learn from it?.	Laura Fischer		3. Transit-oriented Development in the metropolitan governance: a comparison between the Colombian case and the South Korean experience.	Natalia Da Silveira Arruda

Date	Friday april 20th, 2018					
	Room Inntempo			Room Innova		
Hour	Section	Description	Speaker	Session	Description	Speaker
08:00 - 08:15	Welcome in charge of Professor Jairo Espinosa					
08:15 - 09:55	Special session 2: Technologies and Developments in Electric Mobility Systems - part II (4 presentations)	1. A Taxonomy Of Energy Consumption Models For Electric Vehicles	Daniel Villa			
		2. Analysis of relevant variables to monitor a photovoltaic charging station through the Function to Data Matrix (FDM) method	Isabel Cárdenas Gómez			
		3. Defining engineering characteristics of an electric kit for motorcycle hybridization in the Colombian context using QFD	Simón Polanía			
		4. Design and Implementation of an Electric Vehicle for Shared Use in Bogotá	Juan Carlos Mendoza Collazos			
09:55 - 10:15	Coffee Break					
10:15 - 11:00	Keynote - The Potential of Video Analysis to improve Urban Traffic, Sergio Velastín					
11:00 - 12:15	Special session 3: Optimization Models for City Logistics - part I (3 presentations)	1. Analyzing the Efficiency of Vehicular Transit Microsimulator Calibration in Conflictive Intersections close to University of Azuay, Using Aimsun 8.1	Christian Marcelo Moyano Tobar			
		2. Optimal Design of a Charging Station for Electric Vehicles, based on Renewable Energy	Jessica Verónica Mena Ledesma			
		3. Microsimulation as an optimization tool for urban goods distribution: A review	Cristian Giovanni Gómez Marín			
12:15 - 13:45	Free lunch					
13:45 - 14:35	Special session 3: Optimization Models for City Logistics - part II (2 presentations)	1. Combinatorial auction for transport collaboration	Conrado Augusto Serna Urán			
		2. A Colaborative Inventory Model with joint Orders in the Urban Distribution of Goods	Julián Andrés Zapata Cortés			
14:35 - 14:55	Coffee Break					
14:55 - 16:35	Session 6: Data and methods (5 presentations)	1. The search for vehicles available for supply and demand of cargo and transport	Juan Felipe Quintana	Session 7: Traffic management and ITS - part II (5 presentations)	1. Detection of motorcycles and use of safety helmets with an algorithm using image processing techniques and artificial intelligence models	Mario Varon
		2. Evaluation of the Cost-effectiveness of Freeway Service Patrol for Reducing Nonrecurrent Congestion	Luisa Reyes		2. An Automatic System for Optimizing the Travel Time of BRT Buses of Medellín - Metro Plus, Línea 1	Marta Suárez
		3. Dynamics of execution in vehicles tracking from historical events	Faider Florez Valencia		3. Vehicular Traffic Control Solutions using Neural Networks and Deep Learning	Ernesto Fernandez, Sistra SAS
		4. Urban Mobility – Efficient Everyday Displacements using TICs, the Universidad Autónoma de Barcelona case	Cinthy Lady Butron Revilla		4. Urban Tolling Implementation: As a solution to congestion problems in large underdeveloped cities	Miguel Yuseff
16:35 - 19:00	Closing reception					