



## 2nd international Conference on Transport infrastructures - São Paulo, Brazil



Wednesday 4th AUGUST

8:00 - 9:00	Registration
9:00 - 10:00	OPENING CEREMONY - ROOM 1 - SALA ROUXINOL
9:00 - 9:10	ISMARTI Presentation
9:10 - 9:20	ANDIT Presentation
9:20 - 10:00	The Brazilian Transport Infrastructure Networks

10:00-10:30	Coffee-Break
10:30 - 11:30	Keynote Lecture - ROOM 1 - SALA ROUXINOL
10:30-11:10	Airport System: Modifications to Pass-to-Coverage Ratio Computation in the FAA's FAARFIELD Design Procedure - <b>Dr. David Brill (FAA Airport Technology R&amp;D Team, USA)</b>
11:10-11:30	Debate
11:30-12:30	Keynote Lecture - ROOM 1 - SALA ROUXINOL
11:30-12:10	Road Network: a vision of the challenges for the future - <b>Dr. Denis François (LCPC, France)</b>
12:10-12:30	Debate

12:30-14:00 Lunch

ROOM 1 - SALA ROUXINOL	Theme 1	ROOM 2 - SALA MACUCO - The DAWG
14:00	<b>Session Theme 1</b> President: <i>WjvdM Steyn</i> Moderator: <i>Vahid Motevalli</i> Evaluation of Usage of Gilsonite as an Additive for Modification of Asphalt Cement, <i>A. Mansourian, M. Ameri, S. Salehi</i>	<b>30 minutes per presentation - Dr. Robert Raab</b>  14:00 SOME PECULIARITIES OF DATA FROM APT STUDIES WITH LINEAR TRAFFIC SIMULATORS, <i>W. Peres Núñez</i>  14:30 THE VOLUMETRIC METHOD IN THE DESIGN AND PERFORMANCE OPTIMIZATION OF BITUMINOUS MIXTURES, <i>D. Gardete, L. Picado Santos, S. Capitão</i>  15:00 EXPERIMENTAL INVESTIGATIONS ON THE INFLUENCE OF SUBGRADE SOIL QUALITY ON THE PERFORMANCE OF FLEXIBLE ROAD PAVEMENT IN NIGERIA, <i>R. Oduola</i>
14:10	183 Iran	
14:25	155 Italy Design and performance analysis of foamed asphalt treated mixtures, <i>A. Marradi, G. Ridandelli, U. Pinori</i>	
14:40	170 Portugal Studies of Bituminous Mixtures with Acrylic Fibers, <i>A. Teixeira, B. Pereira, J. Contreiras, M. Azevedo</i>	
14:55	142 USA Effects of the Rheological Properties of Mastics on Creep performance of Asphalt concretes, <i>H. Zelelew, A.T. Papagiannakis</i>	
15:10	169 Portugal High Tenacity Acrylic Fibres in Bitumen mixtures, <i>B. Pereira, J. M. Contreiras, A. Teixeira, M. Azevedo</i>	
15:25	180 USA Measuring the Asphalt-Aggregate Bond Strength Under Different Conditions, <i>H. Bahia, R. Moraes, R. Velásquez</i>	
15:40	114 Portugal Durable Asphalt Surfaces with High Crack Resistance, <i>F. Dourado, J. Scherer</i>	
15:55	Debate	

16:00-16:20 Coffee-Break

ROOM 1 - SALA ROUXINOL	Theme 4	ROOM 2 - SALA MACUCO - The DAWG
16:20	<b>Session Theme 4</b> President: <i>Glicerio Triches</i> Moderator: <i>A. F. Nikolaidis</i> Results of Accelerated Load Tests in Slovenia, <i>M. Tušar, M. Ravnikar Turk</i>	15:50 HALF-WARM ASPHALT MIXTURES MADE WITH BITUMEN AND INCORP. OF INDUST. BY-PRODUCTS: CHARACT. AND TECHNOLOGY VALIDATION, <i>Fernando Martinho, Luis de Picado Santos, Silvino Capitão</i>  16:20 VALIDATION OF RESULTS OBTAINED USING BEM (BOUNDARY ELEMENT METHOD) BY COMPARISON WITH EXPERIMENTAL AND REAL DATA OBTAINED FROM PHYSICAL MODELS AND OBSERVATION OF PAVEMENTS BEHAVIOUR, <i>A. Almeida, L. Picado Santos</i>  16:50 AIRPORT PAVEMENT RECONSTRUCTION AND ADAPTATION - A CASE STUDY, <i>Silvio Rodrigues Filho, Regis Martins Rodrigues</i>  17:20 3D LASER IMAGING FOR PAVEMENT DISTRESS SURVEY: POTENTIALS AND CHALLENGES, <i>Kelvin CP Wang</i>
16:30	112 Slovenia	
16:45	181 USA Use of WIM Data to Evaluate Growth Including Economic Activities Attributed to Reconstruction of a Warranty Road, <i>R. Tarefder, N. Sumei</i>	
17:00	152 Ireland, Canada A Simple Tool for Applying Sustainability Principles to Road Rehabilitation Strategy, <i>Michael L. J. Maher, Robert Noel-De-Tilley, Robert A. Douglas</i>	
17:15	101 Portugal Multi-Objective Decision-Aid Tool for Infrastructure Asset Management, <i>A. Ferreira, S. Meneses, M. Trindade</i>	
17:45	105 South Africa Utilizing Traffic Moulding of Road Pavements Towards More Cost Efficient Pavement Design and Management, <i>E. Kleyn, W. J.vdM. Steyn</i>	
18:00	Debate	

20:00-22:00 WELCOME RECEPTION

Thursday 5th AUGUST

8:00 - 9:00	Registration	
9:00-10:00	FORUM: ROOM 1 - SALA ROUXINOL	
9:00-9:40	The Sustainability of Transport Infrastructures - Dr. Waheed Uddin (The University of Mississippi, CAIT Director, USA) & Dr. Kamil Kaloush (Arizona State University, USA)	
9:40-10:00	Debate	

ROOM 1 - SALA ROUXINOL			Theme 2			ROOM 2 - SALA MACUCO Theme 4		
10:30	Session Theme 2		President: Rita M. Fortes	Moderator: WJvdM Steyn		Session Theme 4	President: P. Pereira	Moderator: Liseane Thives
10:45	202	USA	Remote sensing and geospatial technologies for inventory and condition monitoring of transport infrastructure assets, W. Uddin			140	Portugal	Freight Traffic on High Speed Rail Line, D. Leal, L. Picado-Santos
11:00	Session Theme 1		Theme 1			123	Italy	HMA Composition vs. Surface Characteristics: Issues and Perspectives to Optimise Road Asset Management, F. Praticó, Vaiana R, A. Moro, T. Iuele
11:15	154	USA	Comparative Study of a Mechanistic Resilient Modulus Predictive Equation for Unbound Materials, C. Cary, C. Zapata			161	Poland	Construction of new road Infrastructure in Poland with emphasis on Bridge structures, J. Biliszczuk, J. Onysyk, M. Suchy
11:30	219	Portugal	Identification of a Fuel Contamination Problem in the Production of Warm Mix Asphalts, H. Silva, J. Oliveira, J. Peralta, C. Ferreira			146	USA	New Methods of Traffic Growth Forecasting for MEPDG, K. Hall, X. Xiao, Y. Jiang, K. Wang
11:45	136	Turkey	The Use of Steel Fibers as a Reinforcement Material in Cement Concretes, C. A. Kiremitci, S. Iyınam, A. F. Iyınam, M. Ergün			134	USA	Use of Trenchless Technologies in Roadway Drainage Infrastructure Management, O. Salem, B. Salman, M. Najafi, A. Moawad
12:00	156	Mexico, USA	Re-Capsulation of Styrene Butadiene Styrene (SBS), Styrene Butadiene (SB) with EX-Linking Agent for Asphalt Modification, G. Hernández, G.M. Memon			103	Portugal	Additional Road User Costs due to Pavement State and Maintenance Actions: Initial Approach for Portuguese Conditions, B. Santos, L. Picado-Santos, V. Cavaleiro
12:15	190	Brazil	Use of Tire Rubber to Improve Fatigue Performance of Asphalt Mixtures, L. Thives, P. Pereira, G. Trichês, J. Pais			Debate		
12:30			Debate					

12:30-14:00 Lunch

ROOM 1 - SALA ROUXINOL			SHORT COURSE: Airport Pavement Thickness Design Procedures Dr. David Brill		
14h00-16h00					

ROOM 1 - SALA ROUXINOL			Theme 1			ROOM 2 - SALA MACUCO Themes 5 and 6			
16:20	Session Theme 1		President: Rui Alves Margarido	Moderator: L. Picado Santos		Session Themes and 6	5	President: V. Motevalli	Moderator: K. Wang
16:35	120	Italy	Innovative Technologies for the Determination of the Density of Bituminous Mixtures, F. Praticó, A. Moro			135	Turkey	New Bus Rapid Transit System: Significant Contribution to Public Transit Infrastructure of Istanbul, S. T. Kiremitci, S. Iyınam, A. F. Iyınam, M. Ergün	
16:50	130	Italy	A Theoretical Investigation on the Dependence of Gmb Measurements on Boundary Conditions, F. Praticó, A. Moro			137	Turkey	Connecting two Continents: Marmaray Rail Transit Project of Istanbul, C. A. Kiremitci, P. Alpkokin, M. Ergün, S. Topuz Kiremitci	
17:05	127	Nigeria	Experimental Investigation of a Cement-Stabilized Low-Strength Soil for Pavement Construction in Eastern Nigeria, R. Oduola			191	Turkey	Optimization of Bus Transport in Istanbul, A.S. Kesten, M. Ergün	
17:20	133	Portugal	Effect of the Adhesion between Layers of Airport Pavements in their Structural Behavior, L. Silva, P. Cachim, A. Benta			Debate			
17:35	217	Portugal	New Experimental Methods to Monitor and Characterize Asphalt Rubber Binders, J. Peralta, H. Silva, J. Pais			139	Portugal	Urban Road Safety – Evaluation of Road Safety Measures, C. Carvalho, L. Picado-Santos	
17:50	213	Portugal	Changes in the Rubber Morphology Caused by the Interaction with Bitumen, J. Peralta, H. Silva, J. Pais, A. Machado			119	Italy	Tribological and Environmental Effects in Dry and Wet Pavement-tyre Interaction: Modelling and Experiments, F. Praticó, R. Ammendola, A. Moro	
18:05	218	Portugal	Monitoring Rubber Swelling and De- and Re-vulcanization through AR Elastic Recovery, J. Peralta, H. Silva, J. Pais, A. Machado			Debate			
18:20			Debate						

TECHNICAL VISIT 14:00-18:00

20:00-22:00 Dinner

Friday 6th AUGUST

9:00-10:00	Keynote Lecture: ROOM 1 - SALA ROUXINOL
9:00-9:40	Railways: European railway transportation: synergies and perspectives for a unique network system - Dr. Patrizia Cicini (Rete Ferroviaria Italiana - RFI, Italy)
9:40-10:00	Debate

16:00-16:20 Coffee-break

ROOM 1 - SALA ROUXINOL			ROOM 2 - SALA MACUCCO			ROOM 3 - SALA COLIBRI		
10:30	Session Theme 1	President: <i>W. Uddin</i> Moderator: <i>Denis François</i>	195	USA	Analysis of Aircraft Inflatable Slide Evacuation Events, <i>V. Motevalli</i>	SHORT COURSE: M-E Pavement Design Guide: Dr. Tom Papagiannakis		
10:35	113 Poland	Asphalt Concrete with Low-Viscosity Modifier, <i>M. Iwański, G. Mazurek</i>	194	Singapore	Evaluating of aircraft landing hydroplaning risk, <i>H. Pasindu, T. F. Fwa, G.P.Ong</i>			
10:50	125 Malasia	Prospect of Using Waste Cooking Oil as Rejuvenating Agent for Aged Bituminous Binder, <i>M. Karim, H. Asli</i>	167	Canada	Use of 3D Laser profiling sensors for the automated measurement of road surface conditions (ruts, cracks, texture), <i>D. Lefebvre, Y. Savard, J. Laurent, J.F. Hébert, R. Habel</i>			
11:05	124 Malasia	Effect of Oil Palm Fiber on Properties of Asphalt Mixes, <i>S. Vijaya, M. Karim, H. Mahmud</i>	145	USA	Precision and Bias Measurements in Automated Cracking Survey and Future Technologies, <i>K. Wang</i>			
11:20	107 USA	Rheology of Fractionated Cornstover Bio-oil as a Pavement Material, <i>M. Raouf, R. Williams</i>	102	Israel	Combining FHWA and EVALIV Spreadsheets for Forwardcalculating Subgrade and Pavement-Layers Moduli, <i>M. Livneh</i>			
11:35	165 Pakistan	Use of Lime-Bagasse Ash for Subgrade Soil Stabilization, <i>T. Akram, A. Khan</i>						
11:50		Debate			Debate			

12:00-14:00 Lunch

Session Themes 1 and 7			Session Theme 3			MULTIMODAL SESSION - Dr. Ghim Ping Ong		
14:00	182 USA	Laboratory Investigation of Moisture Movement in Asphalt Concrete, <i>D. Bateman, R. Tarefder</i>	209	Greece	Wheel Tracking Performance of Asphalt Concrete Mixture with Conventional and Modified Bitumen, <i>A. F. Nikolaidis, E. Manthos</i>	110	Multimodal Transport Infrastructure Policies to Support Safe, Efficient and Reliable Freight Operations: A Case Study of the United States, <i>G. P. Ong</i>	
14:05	216 Brazil	Performance Study of Different Addition of Stabilizers in 50% Dry Sludge from Water Treatment Plant (WTP) of Taiacupeba to Use as Compacted Material in Earthwork Ditches, <i>R. Fortes, J. Merighi, D. Pauli, M. Barros, M. de Carvalho, N. Menetti, A. Barbosa, B. Bento</i>	189	Brazil	Use of Construction and Demolition Waste as a pavement material in São Luis - Brazil, <i>W. Sant'Ana, T. Ferreira, L. Bernucci, R. Motta</i>	111	Role of Multimodal Urban Transportation Infrastructures in Sustainable Integrated Transportation and Urban Planning: Lessons Learnt from the United States and Asia, <i>G. P. Ong</i>	
14:20	214 Portugal	A Laboratory Study on the Fatigue Performance of Warm Mix Asphalt Mixtures, <i>J. Oliveira, H. Silva, P. Pereira, L. Moreno</i>	147	USA	Analysis of Full Scale Test Data to Study the Load Transfer Efficiency of Rigid Airfield Pavement Joints, <i>A. Wadkar, W. Kettleison, L. Musumeci, A. Zapata, Y. Mehta, D. Cleary</i>	201	Sustainable personal rapid transit strategies for congested cities and urban communities, <i>W. Uddin, U. Uddin</i>	
14:35	149 IRAN	Application of Polypropylene Fibers in Pervious Concrete Pavement, <i>K. Behfarnia, S. Abtahi, A. R. Hejazi</i>	128	Turkey	Evaluation of Asphalt Plants in Terms of Performance : A Case Study for Turkey, <i>F. Yonar, S. Iyınam, A. F. Iyınam, M. Ergün</i>	153	Effect of Transportation Infrastructure Investments on Urban Development; Case of Istanbul, <i>Y. Eryılmaz, M. Ergun</i>	
14:50		Debate	171	Portugal	Assessment of Fatigue Resistance and Aging of Asphalt Mixtures in Portugal, <i>J. Dias, F. Batista, M. Lopes</i>			
15:05		Debate			Debate			
15:20	210 Greece	Thin Surfacing and Micro-Surfacing Alternative Cost Effective Wearing Course Materials, <i>A. F. Nikolaidis</i>						
15:35	129 Italy	Road Base Stabilization: Performance Improvement and Pavement Life Cycle Consequences, <i>F. Praticò, M. Giunta, D'Agostino, P.</i>						
15:50	160 Portugal	The Use of Boundary Element Method to Establish a Pavement Response, <i>A. Almeida, Luis de Picado-Santos</i>						
16:05		Debate						

16:05-16:20 Coffee-break

16:20 - 17:50	ROOM 1: SALA ROUXINOL - Closing Ceremony
16:20 - 16:40	CONINFRA Conference Report
16:40 - 17:00	ICTI Conference Report
17:00 - 17:10	Mairepav7 2012, Auckland, New Zealand - Presentation
17:10 - 17:20	ICTI2014, Pisa, Italy - Presentation
17:20 - 17:40	ISMARTI and ANDIT Paper Awards
17:40 - 17:50	Closure



20:00 - 23:00 Banquet