

Monday 14 December			
	ROOM A	ROOM B	
10:20 - 10:40	Session 1.1 A : Binder / Sealing Chairman: Ferhat Hammoun Circular Accelerated Surfacing Tester (CAST) for evaluating chip sealing binders <i>Van Den Kerkhof Lie C.</i>	Session 1.1 B : Healing 1 Chairwoman: Laurent Port A new method for healing quantification of bituminous materials <i>Varma Remyo, Ballew Romain, Krings Nicole</i>	Session 1.1 C : Modeling 1 Chairman: Ramon Botella Complex modulus modelling of hot asphalt mixes using realistic aggregates <i>Querada Juan-Carlos, Chazallon Cyril</i>
10:40 - 11:00	A new approach towards Performance-Related Design and Scientific Evaluation of Joint Sealing Systems <i>Buchheim Janine, Recknagl Christoph, Wolter Patrick, Kitter-Packmor Kai</i>	Effect of temperature on self-healing properties of bituminous binders <i>Santogato Ezio, Millella Fabrizio, Baglieri Orazio, Tsiantis Lucia</i>	TSRST heterogeneous modeling for understanding failure depending on asphalt mix design and experimental conditions <i>Fateh Fakhari Tehrani Fateh, Petit Christophe, Absi Joseph</i>
11:00 - 11:20	Evaluation of emulsions applied in Chip Seal pavements in different stages of ageing <i>Mesquita Gleison, Alencar Carla Morilla, Barroso Suelly, Gondim Lillian</i>	Healing Characterization of Waste-derived Bitumen Based on Crack Length <i>Li Lingling, Gao Yangming, Zhang Yuqiang</i>	Influence of confinement pressure on the viscoelastic response of bituminous mixtures <i>B.S. Abubin, S.P. Atul Narayan, Krishnan Murali</i>
	Session 1.2 A : Binder Chairman: Orazio Baglieri The influence of wax model compounds on the surface topography of bitumen <i>Bjorn Johng, Van Den Brande Niko, Soenen Hilde</i>	Session 1.2 B : Fatigue of bituminous mixtures Chairman: Andrea Graziani Simulation of two-point and four-point bending fatigue test on asphalt mix with intrinsic material parameters based on Digital Image Correlation <i>Santos Ishibashi, Mergen Paul, Chapin Olivier, Hammoun Ferhat</i>	Session 1.2 C : Recycling / Rubber Chairman: Davide La Presti Implementing crumb rubber gap-graded and open graded asphalt technologies – the Australian experience <i>Petho Laszlo</i>
11:35 - 11:55	How to improve the miscibility of asphalt binder and polyolefins by phosphoric acid ? <i>Cugato Polino, Loise Valeria, Lupi Francesca R, Lombardo Emanuela, Antunes Inês</i>	Effects of binder content, filler content, air void and modification on damage characteristics of asphalt mix under fatigue loading <i>Shehzadani Homidez, Alavi Mohammad Zia, Farzaneh Orang, Kraft Serge</i>	Rubber-bitumen interaction of plant-blended rubberized bitumen prepared under various blending conditions <i>Leng Zhen, Xu Xiang, Lan Jingting, Li Hu, Seeram Anand</i>
11:55 - 12:15	Rheometrics framework analysis to capture self-assemblies organization in bituminous matrix <i>Donne-Rangel Géraldine, Bottolini Carola, Marchal Philippe, Chardonnet Marc, Voizakis Lazaros, Hung Yvong</i>	Introducing an improved testing method to evaluate the fatigue resistance of bituminous mortars <i>Margaritis Alexander, Pipintakos Georgios, Zhang Li Ming, Jacobs Geert, Vyve Cedric, Blom John, Van Den Berg Wim</i>	Large scale characterization of crumb rubber modified asphalt mixtures using dry process <i>Bueno Moises, Poulikakos Ily</i>
12:15 - 12:35	Sensitivity Analysis for Rheological Determination of Glass Transition and Cross-over Temperatures at Various Reference Frequencies <i>Ewardany Michael, Planche Jean-Pascal, Adams Jeremie</i>	Prediction of fatigue behaviour of asphalt mix from tests on asphalt mastic <i>Steineler Michael, Eberhardsteiner Lukas, Hofko Bernhard</i>	Experimental evaluation of swelling and absorption of crumb rubber aggregates <i>Mahmoudi Yasmin, Di Benedetto Herve, Souza Cedric, Mangiaglio Salvatore, Pouget Simon, Faure Jean-Philippe</i>
12:35 - 12:55			
	Session 1.3 A : Emulsion Chairman: Gordon Arey Assessment of the behavior of emulsified asphalt mixes during curing <i>Thiriet Amelie, Piu Jean-Michel, Chailloux Emmanuel, Defosse Frederic, Leroy Christine, Gaudreault Vincent</i>	Session 1.3 B : Healing 2 Chairman: Eshan Dava Enhanced self-healing properties in stone mastic asphalt with encapsulated bitumen rejuvenators <i>Ruit-Rioscha Jelena, Soonen Toheen, Garcia Alvaro, Hudson-Giffiths Robin</i>	Session 1.3 C : Recycling 1 Chairwoman: Jo Sias Use of Recycled Asphalt Pavement (RAP) in Airport Pavements <i>Guru Navneet, Kazmezz Hasan, Ricalde Lia</i>
15:30 - 15:50	A Comparative Study on The Fatigue Behavior Of Bitumen Emulsion Mastic Modified with Various Active Fillers <i>Al-Mohammadi Ahmed, Mollenhauer Konrad</i>	The Effect of a Chemical Warm Mix Additive on the Self-Healing Capability of Bitumen <i>Aurilio Roberto, Aurilio Mike, Bay Hasson</i>	Experimental tests on diffusion phenomenon between two different bitumens <i>Natal Stefano, Mangiaglio Salvatore, Romeo Elena, Souza Cedric, Di Benedetto Herve, Tebaldi Gabriele</i>
15:50 - 16:10	Interphase relations in the characterisation of bitumen emulsion-cement composites <i>Milkovic Milivoj, Grzanić Andreja, Mignini Chiara</i>	Effects of chemical and microstructural constituents on the healing characteristics of asphalt binders <i>Leite Leni, Aragão Elio Francisco, Macedo Thássia, Osmani Patrício, Cravo Margareth, Nascimento Luis, Dantas Luciana</i>	Evaluate the Impact of Reclaimed Asphalt Pavement (RAP) Binder Activation on its Shape Properties <i>G. Ferreira Wellington L., Castelo Branco Veronica, Vasconcelos Kamilla, Bhavin Amit</i>
16:10 - 16:30	Roles of exogenous cationic and endogenous bitumen surfactants in the stability of Bitumen/Water interfaces <i>Jitrov Shweta, Bouriat Patrick, Anocet Pauline, Hung Yvong, Rondeau Francis, Dicharry Christophe</i>	Investigations of Electrical Conductivity of Graphene Nano-Platelet (GNP)-Taconite Modified Asphalt Binders <i>Le Jia-Liang, Marosteanu Mihai, Matos De Oliveira Jheniffer, Turoz Mugurel</i>	New modified recycled mastic for demanding and sustainable asphalt mixtures <i>Martinho Fernando, Picado-Santos Luis, Lemos Francisco</i>
16:30 - 16:50	Evaluation of aging processes in binders stabilized from cationic bituminous emulsion <i>Sorocak Woiciech, Konieczna Katarzyna, Krol Jan B, Ányoska Małgorzata, Kowalski Karol J.</i>	Microwave Crack-Healing Capability on Asphalt Mixtures with Silicon Carbide <i>Gonzalez Alvaro, Valderrama Jonathan, Norambuena-Contreras Jose</i>	Investigating the Use of a Binder Cohesion Test to Evaluate Cracking Resistance of Asphalt Mixtures <i>Filozzi Angelo, Hajji Ramez, Komaragiri Satyavati, Bhavin Amit</i>
16:50 - 17:10			

Tuesday 15 December			
	ROOM A	ROOM B	ROOM C
10:00 - 10:20	Session 2.1 A : Binder / Modification Chairman: Greet Leegwater Comparing wet mixed and dry mixed binder modification with recycled waste plastic <i>White Greg</i>	Session 2.1 B : Mixtures and low-temperature 1 Chairman: Christophe Pettit Humidity Damage Index (HDI) of Recovered Asphalt from Reclaimed Asphalt Pavement (RAP) Using Different Aggregates <i>Fluorero Ana, Salamanian Mansour</i>	Session 2.1 C : Aging 1 Chairwoman: Lily Poulikakos Experimental validation of the dual-oxidation routes in bituminous binders <i>Pipintakos Georgios, Muñich Uwe, Soonen Hilde, Ververi Alkaterini, Van Doorslaer Sabine, Chang Hong Yue Vincent, Sjovoll Peter</i>
10:20 - 10:40	Mechanical properties of bitumen and asphalt mixture modified with polymer additives <i>Nguyen Quang Tuan, Hoang Thi Thanh Nhan, Bui Xuan Cay, La Van Chan, Tran Thik Dang, Nguyen Quang Phuc, Nguyen Nhu Hai</i>	Effects of water saturation and freeze-thaw cycles on fatigue behaviour of bituminous mixtures <i>Tan Duc Thang, Souza Cedric, Di Benedetto Herve, Pouteau Bertrand</i>	Time and Surface Dependent Effects of Bitumen - Comparison of Surface and Bulk <i>Mirwald Johannes, Werkvits Stefan, Camargo Ingrid, Moschauer Daniel, Hofko Bernhard, Grothe Hinrich</i>
10:40 - 11:00	Characterization of Aluminosilicate-Based Warm-Mix Asphalt Additive Using Experimental Techniques <i>Potell Rituraj, Nanjewoda Vinay, M Jodeesh, Billaji Krishna Prapanna</i>	Improving the durability of asphalt mixtures with hydrated lime - Field results from recent French sections <i>Lesueur Didier, Metas Pierre, Pibis Patrick, El Bedoui Samy, Ruat Herve, Bourian Stephane, Hammou Ferhat</i>	Study on reversibility of aging and recycling of bitumen based on rheology, adhesion and chemical properties <i>Guo Meng, Liu Huiying, Jiao Yubo, Tan Yiqiu</i>
11:00 - 11:20	Rheological Properties of Derived Fractions Composed of Aromatics, Resins, and Asphaltenes <i>Xiao Feiping, Jiaju Wang</i>	A critical analysis of the standard used to evaluate de-icing damage in asphalt materials <i>Louqifit Liqun, Zhu Jiqing, Ballew Romain, Krings Nicole</i>	Evaluation of the properties of bituminous binders recovered from various sites in Europe. <i>Soenen Hilde, Carbonneau Xavier, Lu Xiaohu, Robertus Carl, Benoit Tapin</i>
	Session 2.2 A : Bio-binders Chairman: Fernando Moreno-Navarro From laboratory mixes to full scale test: rutting evaluation of bio-recycled asphalt mixes <i>Blanc Juliette, Chailloux Emmanuel, Horvich Pierre, Williams Chris, Zahra Sotoodeh-Nia, Laurent Port, Pouget Simon</i>	Session 2.2 B : Mixtures and low temperature 2 Chairman: Manfred Partl Laboratory assessment of low temperature resistance of high modulus asphalt concrete in relation to climatic conditions in Poland <i>Borkowski Wojciech, Gajewski Marcin, Horodecka Renata, Mirski Krystof</i>	Session 2.2 C : Aging 2 Chairwoman: Mayca Rubio-Gómez z Monitoring stiffness evolution of asphalt concrete through modal analysis <i>Gudmarsson Anders, Ahmed Abubeker</i>
11:35 - 11:55	Organic compounds evaluation from fumes generated in laboratory by bio-recycled asphalt mixtures <i>Gaudreault Vincent, Lo Presti David, Port Laurent, Pouget Simon, Planche Jean-Pascal, Williams Chris, Chailloux Emmanuel</i>	Cracked Asphalt Pavement Behaviour Under Thermal and Load Cycles - Laboratory Investigation Using Accelerated Loading System <i>Kim Sang Soo, Akentanya Moses, Nazzal Munir</i>	Viennese Aging Procedure (VAPo) - adaption for low-temperature testing <i>Moschauer Daniel, Mirwald Johannes, Hofko Bernhard, Grothe Hinrich</i>
11:55 - 12:15	Rheological characterisation of modified bitumens with biodiesel-derived biobinders <i>Weir Ang, Airey Gordon, Snape Colin, Jimenez Del Barco Carrion Ana</i>	Coefficient of Thermal Expansion and Thermally Induced Internal Cracking of Asphalt Mixes <i>Berroho Youness, Perraton Daniel, Dore Guy, Vaillancourt Michel</i>	Aging behaviour of porous and dense asphalt mixtures in the field <i>Jing Ruijin, Ververi Alkaterini, Liu Xueyan, Scarpa Tom, Erkens Sandra</i>
12:15 - 12:35	Comparison Between Rheological Behavior of a Neat Asphalt Binder and a Bio-Binder from Renewable Source <i>Espinosa Ruiz Leydi, Gadher Fernando, Mata Rafael V, Vasconcelos Kamilla, Bermucci Liedi L.</i>	Investigation of cold regions dense graded high modulus asphalt concrete sensitivity to bitumen and filler content <i>Neyret Charles, Lamotte Sebastien, Perraton Daniel, Carter Alan, Proteau Marc, Di Benedetto Herve, Pouteau Bertrand</i>	A literature review of bitumen aging: from laboratory procedures to field evaluation <i>Sirona Rodrigo, Nguyen Mai Lan, Horvich Pierre, Chailloux Emmanuel</i>
12:35 - 12:55			
	Session 2.3 A : Cold recycling Chairman: Alan Carter The influence of the mastic coating of untreated reclaimed asphalt pavement on the permanent and resilient behaviours <i>Gallard Laura, Chazallon Cyril, Horvich Pierre, Quezada Juan-Carlos, Geffard Jean-Luc</i>	Session 2.3 B : Pavement properties 1 Chairman: Daniel Perraton Evaluation of Pavement Damage through the Analysis of Asphalt Layer Modulus and Strain Evolutions during an Accelerated Pavement Test <i>Le Xuan Quy, Nguyen Mai Lan, Horvich Pierre, Nguyen Quang Tuan</i>	Session 2.3 C : Aging 3 Chairwoman: Denis Jelgina Comparison of Alternate Binder Aging Methods <i>Noel John, Qudus Mohammad Rezwan, Pirzadeh Payman, Kriz Pavel, Shirish Ralph</i>
15:30 - 15:50	Experimental study on the grading distribution of cold recycled asphalt mixtures produced with bitumen emulsion and high strength cement <i>Mignini Chiara, Cardone Fabrizio, Graziani Andrea</i>	Effects of adding a geotextile into a pavement structure to FWD experimental data and estimated pavement remaining service life <i>Carret Jean-Claude, Carter Alan</i>	Evolution of the Thermo-Rheological Indices of Asphalt Binders with Aging <i>Zhang Runhua, Sias Jo, Dave Eshon</i>
15:50 - 16:10	Rutting performance analysis for Pavements with Bituminous Stabilized Mixtures as Base Layers <i>Chagas Silveira Gouveia Beiruti, Preti Francesco, Romeo Elena, Sias Jo, Dave Eshon, Tabatabaei Gabriele</i>	Analysis of ovalization measurements on flexible airfield pavement under HWD dynamic impulse load <i>Gharbi Mousa, Brautigam Michael, Boukherairi Ichem, Nguyen Mai Lan, Chabot Armelle</i>	The chemistry behind rheological and thermal transitions of oxidized bitumen <i>Baldi Adriana, Villegas-Villegas Rafael Ernesto, Aguilar-Moya Jose Pablo, Loria-Salazar Luis Guillermo</i>
16:10 - 16:30	Effect of RAP and Binder Properties on Indirect Tensile Strength and Dynamic Modulus of Cold Recycled Foamed Asphalt Mixtures with High RAP Content <i>Ma Wangyu, Wang Di, Gu Fan, Taylor Adam, West Randy</i>	The effect of additives on water vapor condensation on bituminous surfaces <i>Taroudji Belaïd Farrah, Schutius Thomas, Poulikakos Lily, Poulikakos Dimos, Rico Luengo Miguel</i>	A comparative study of RTFO, PAV and UV aging using FT-IR and DSR Tests <i>Hossain Roksona, Arfat Shams, Solomon Delmar, Wasiuuddin Nazimuddin</i>
16:30 - 16:50	Experimental Performance of Stabilized Base with 100% Recycled Asphalt Pavement (RAP) using Portland cement, Bitumen Emulsion and Foamed-Bitum <i>Ogbe Chibueze, Dave Eshon, Sias Jo</i>	Full-Scale Pavement Testing of a High Polymer Modified Asphalt Concrete Mixture <i>Habibouche Imane, Seboldy Peter, Hajji Elie, Piratheepan Murugayah</i>	Multi-criteria framework to evaluate the oxidative aging resistance of bitumen binders <i>Adams Jeremie, Ewardany Michael, Planche Jean-Pascal, Hung Yvong, Zhu Jeanne, Schroeder Sonke, Mouazen Mouhamad</i>
16:50 - 17:10			

Wednesday 16 December			
	ROOM A	ROOM B	ROOM C
10:00 - 10:20	Session 3.1 A : Recycling 2 Chairman: Emilio Posquini Extending the use of RAP in airport asphalt resurfacing <i>White Greg, Jamshidi Ali</i>	Session 3.1 B : Viscoelasticity and permanent deformation of bituminous materials 1 Chairman: Marcos Creep Properties of Asphalt Binder, Asphalt Mastic and Asphalt Mixture <i>Bucher Johannes, Wistuba Michael P., Hilmer Thilo</i>	Session 3.1 C : Pavement properties 2 Chairman: Andreas Loisos An investigation on longitudinal unevenness indicators and their potential on surface characterisation <i>Rosset Parisa, Perret Jacques, Ould-Henri Mehdli, Delaby Marc</i>
10:20 - 10:40	Use of modified reclaimed asphalt in warm mixtures <i>Ferrotti Gildo, Conestra Francesco, Khotjan Jiang, Cardone Fabrizio</i>	Influence of aggregate gradation on the permanent deformation of asphalt mixtures <i>Ibrahima Bannadit, Ekblad Jonas, Lundstrom Robert</i>	Determining the prominence of Texture Scales on Road Skid Resistance <i>Kane Malai</i>
10:40 - 11:00	Multi-Scale Evaluation of Asphalt Binders Containing Different Proportions of Reclaimed Asphalt Pavement (RAP) <i>Roja K. Lakshmi, Vajapeyulu Bhaskar, Masud Syed</i>	Black Space Evaluation of Performance and Distress Mechanisms in Asphalt Materials <i>Airey Gordon, Sias Jo, Di Benedetto Herve, Rowe Geoffrey, Souza Cedric</i>	A new bituminous ballast-less and sleeper-less thin railway track structure <i>Ramirez Cardona Diego, Pouget Simon, Olard Franck, Van Der Houwen Gerrien, Vink Michel, Senechal Sophie, Calon Nicolas</i>
11:00 - 11:20	Impact of viscoelastic and fatigue behavior of asphalt mixtures made with RAP and asphalt shingle on the life cycle assessment results <i>Vlachopoulos Nikolaos, Tapasika Noufou, Dao Duc Tung, Di Benedetto Herve, Souza Cedric, Ech Mohen, Miravolos Nicolas</i>	Efficiency of Ultrasonic Pulse Velocity test in the Determination of Residual Asphalt Mix Pavement Properties <i>Soufyane Benboud, Takorli Mokhfi, Alou Fatima, Dubois Frederic, Niclara Aurelia, Pouteau Bertrand, Beghin Alain</i>	Monitoring of railway structures of high-speed line Bretagne - Piste de la Loire with bituminous (GB) and granular sublayers (UGM) <i>Khairollah Diana, Blanc Juliette, Horvich Pierre, Cottineau Louis-Marie, Piu Jean-Michel, Chazallon Cyril</i>
	Session 3.2 A : Rejuvenator in bituminous materials Chairman: Bernhard Hofreiter Empirical, rheological and chemical properties of aged binder with rejuvenators at different aging levels <i>Oršeković Marko, Ljubomir Port, Stefan Trifunović, Mladenović Goran</i>	Session 3.2 B : Viscoelasticity and permanent deformation of bituminous materials 2 Chairman: Francesco Canestrari IMPROVING THE PREDICTIVE MASTER CURVE OF BITUMINOUS MIXTURES USING ULTRASONIC MEASUREMENTS <i>Tavassoli Pajouh, H. Ameer Taher, Cosante Giovanni, Bojaj Hasson</i>	Session 3.2 C : Miscellaneous Chairwoman: Christine Roob The use of direct shear test for optimization of interlayer bonding under a poroelastomeric <i>Iskakula Piotr, Stenius Marcin, Rys Dawid, Szylkowski Cezary</i>
11:35 - 11:55	Methodology for evaluating the performance of bituminous binders based on rheological indicators: impact of the use of a rejuvenator <i>Pierrot Nathalie, Vonsteinen Stefan, Venelotraise Anne, Peureux Philippe</i>	Rheological properties and 25P10D modeling of seven bituminous mixtures with different Brazilian bitumens <i>Possebon Evelyn Paniz, Specchi Luciano Pivato, Di Benedetto Herve, Perraton Daniel, Pereira Deivid Da Silva</i>	Sustainability Assessment of novel performance enhancing chemical bitumen additive <i>Hollister Christian, Bruska Amino, Cypro Sonja, Oeser Markus, Carreno Nicolas, Zellinger Michael</i>
11:55 - 12:15	Testing of reclaimed asphalt model systems for the evaluation of the effectiveness of rejuvenators <i>Dalmazzo Davide, Urbano Leonardo, Riviera Pier Paolo, Santogato Ezio</i>	Evaluate the new approach for characterizing the performance of asphalt binders through the multiple stress creep and recovery test <i>Vale Almeida, Bastos Jucelino, Soares Jorge</i>	A laboratory procedure for improving the design of road rehabilitation actions: study of a real case in a highway pavement <i>Rubio-Gomez Ma Carmen, Moreno-Novaro Fernando, Sierra Javier, Sol-Sanchez Miguel</i>
12:15 - 12:35	Rheological modeling of the bitumens from reclaimed asphalt with rejuvenation and re-aging <i>Bocci Edgardo, Properi Emilia, Marsac Paul</i>	Effects of Aggregate Shape Parameters and Gradation on High-Modulus Asphalt Mix Performance <i>Boghae Moghaddam Taher, Bojaj Hasson</i>	GLOBE: An innovative technical solution to ensure waste free cold logistics of bituminous binders and pavement materials characterization <i>Mouazen Mouhamad, Hung Yvong, Kraft Serge, Geiser Havran, Ng Alice, Moglia Olivier, Gaudreault Vincent</i>
12:35 - 12:55			
	Session 3.3 A : Recycling 3 Chairwoman: Kamilo Vasconcelos An interlaboratory test program on the extensive use of waste aggregates in asphalt mixtures: preliminary steps <i>Pasetto Marco, Pasquini Emilio, Giacomelli Giovanni, Moreno-Novaro Fernando, Tausende-Martinez Raul, Cannone Falchetto Augusto, Vaillancourt Michel</i>	Session 3.3 B : Mix cracking Chairman: Michael Wistuba Temperature and loading rate susceptibility of bituminous mixtures on monotonic testing <i>Bettolla Romano, Perez-Jimenez Felix E., Miro Rodriguez, Martinez Adriana H., Lopez-Montero Teresa</i>	Session 3.3 C : Modeling 2 Chairwoman: Imad Al-Qadi Active Mitigation of Low-Temperature Cracking in Asphalt Pavements <i>Adam Qurni, Engilmair Gerold, Levenberg Eyal, Skar Asmus</i>
14:50 - 15:10	Properties at low temperatures of warm mix containing high content of multi-recycled RAP <i>Pedreira Alvero, Souza Cedric, Di Benedetto Herve, Pouget Simon</i>	Analysis of low temperature cracking behaviour at binder, mastic and asphalt concrete levels <i>Robust Christophe, Arrigonda Martin, Ibrahim Honma</i>	Influence of linear viscoelastic behavior of layer interface for heavy weight deflectometer test <i>Roussel Jean-Marie, Di Benedetto Herve, Souza Cedric,</i>