

DAY 1 - WEDNESDAY, 27 JULY 2016

8:00	Registration @ Level 3 Foyer, Furama Riverfront Hotel
09:00 - 09:30	Welcome & Opening Address Prof T F Fwa - MAIREPAV-8 Conference Chair Prof David Hosin Lee - iSMARTi President Prof Waheed Uddin - iSMARTi Founding President Venus Ballroom, Level 3, Furama Riverfront Hotel
09:30 - 10:30	Keynote Lecture (I) : Mechanistic-Empirical Design of Pavements: Past Development, Current Challenges and Future Prospects Kumares C. Sinha, <i>Olson Distinguished Professor, Purdue University, USA</i> Venus Ballroom, Level 3, Furama Riverfront Hotel
10:30 - 10:50	Tea Break @ Level 3 Foyer, Furama Riverfront Hotel
10:50 - 12:10	Keynote Lecture (II) : Pavement and Mix Design in Europe and Challenges Professor Paulo Pereira, <i>University of Minho, Portugal</i> Venus Ballroom, Level 3, Furama Riverfront Hotel
12:10 - 13:10	Lunch @ Mercury Ballroom, Level 5, Furama Riverfront Hotel

Session 1-1	Evaluation of Pavement Performance (I)
Date/Time	27 July 2016 (Wednesday) / 1310 hrs -1520 hrs
Venue	Venus I
Chair	Dr Rita Moura Fortes, Amazonas Federal University
1310 hrs - 1330 hrs Paper ID 25	IMPROVEMENT ON AGGREGATE GRADATION DESIGN AND EVALUATION OF RUTTING PERFORMANCE OF VIETNAMESE WEARING COURSE MIXTURES <i>Tran Thanh Nhat, Osamu Takahashi (Nagaoka University of Technology, Japan)</i>
1330 hrs - 1350 hrs Paper ID 220	INSPECTION METHOD OF PAVEMENT STRUCTURE CAPACITY FOR UTILITY CUTS <i>Yi-Chun Lin, Chia-Pei Chou, Ai-Chin Chen (National Taiwan University, Taiwan)</i>
1350 hrs - 1410 hrs Paper ID 46	THE EFFECT OF TRAFFIC OVERLOADS ON ROAD PAVEMENTS <i>Jorge Pais, Paulo Pereira (University of Minho, Portugal)</i>
1410 hrs - 1430 hrs Paper ID 214	EFFECTIVENESS MEASUREMENT OF PAVEMENT REHABILITATION: CONSTRUCTS AND COMPARISON OF CURRENT FINDINGS TO EXISTING LITERATURE <i>Saeed Al-Qadhi, Jackeline Murillo Hoyos, Yu Quiao, Samuel Labi (Purdue University, United States of America)</i>
1430 hrs -1450 hrs Paper ID 150	LABORATORY EVALUATIONS OF VARIOUS OPEN-FOR-TRAFFIC PAVEMENT TEMPERATURES IN CONJUNCTION WITH WHEEL-TRACKING RUTTING DEVICE <i>Sunn-Jer Hwang, Ming-Ze Hong, Yu-Min Su (National Kaohsiung University of Applied Sciences, Taiwan)</i>
1450 hrs - 1510 hrs Paper ID 122	CASE STUDY ON PREMATURE CRACKING OF AN ASPHALT PAVEMENT WITH RESIN BONDED COATING <i>Sara Fernandes, Hugo Silva, Joel Oliveira, Carlos Palha, Paulo Pereira (University of Minho, Portugal)</i>

Session 1-2	Pavement Materials (I)
Date/Time	27 July 2016 (Wednesday) / 1310 hrs -1520 hrs
Venue	Venus II
Chair	Dr Kumar Anupam, Delft University of Technology
1310 hrs - 1330 hrs Paper ID 36	MANUFACTURE AND LABORATORY EVALUATION OF ASPHALT CONCRETE CONTAINING PUMICE CAPSULES FILLED BY OILS <i>Iman Haryanto, Heru Budi Utomo, Agus Kurniawan (University of Gadjah Mada, Indonesia)</i>
1330 hrs - 1350 hrs Paper ID 186	ENGINEERING PROPERTIES OF COLD-MIX POROUS ASPHALT CONCRETE <i>Min-Chih Liao, Yen-Yu Lin (National Taiwan University of Science and Technology, Taiwan)</i>
1350 hrs - 1410 hrs Paper ID 14	USE OF COMPARTMENTED SODIUM-ALGINATE FIBERS AS A HEALING AGENT DELIVERY SYSTEM FOR ASPHALT PAVEMENTS <i>Amir Tabakovic, Wouter Post, Santiago Garcia, Erik Schlangen (Delft University of Technology, Netherlands)</i>
1410 hrs - 1430 hrs Paper ID 87	CEMENT STABILISATION OF GRANULAR LATERITIC SOIL FOR USE AS BASE LAYER OF FLEXIBLE PAVEMENT <i>Dipti Ranjan Biswal, Suresh R Dash, Umesh Chandra Sahoo, (IIT Bhubaneswar, India)</i>
1430 hrs -1450 hrs Paper ID 100	EVALUATION OF THERMAL STRESS BASED ON ANALYTICAL AND APPROXIMATE INTER-CONVERSION TECHNIQUES FOR FORENSIC CONTROL <i>Augusto Cannone Falchetto, Ki Hoon Moon, Michael Wistuba, Oh Sun Kwon (Technische Universität Braunschweig - ISBS, Germany)</i>

1450 hrs - 1510 hrs Paper ID 89	RUTTING PERFORMANCE EVALUATION OF CRUMB RUBBER MODIFIED BINDERS USING ADVANCED RHEOLOGICAL TEST PARAMETERS <i>Veena Venudharan, Krishna Prapoorna Biligiri (Indian Institute of Technology, Kharagpur, India)</i>
Session 1-3	Pavement Recycling and Use of Industrial By-Products (I)
Date/Time	27 July 2016 (Wednesday) / 1310 hrs -1520 hrs
Venue	Venus III
Chair	Dr Veronique Cerezo, IFSTTAR - French Institute of Science and Technology for Transport, Development and Networks
1310 hrs - 1330 hrs Paper ID 12	RECYCLING OF SCRAP TIRES FOR USE IN ASPHALT CONCRETE IN SINGAPORE <i>Nyok Yong Ho, Kelvin Yang Pin Lee, Moe Aung Lwin (Samwoh Corporation Pte Ltd, Singapore)</i>
1330 hrs - 1350 hrs Paper ID 47	EVALUATION OF INNOVATIVE RECYCLING TECHNIQUES: A CANADIAN CASE STUDY <i>Susan Tighe, Hassan Baaj (University of Waterloo, Canada)</i>
1350 hrs - 1410 hrs Paper ID 15	EVALUATION OF PULVERIZED NON METALLIC FRACTION OF PRINTED CIRCUIT BOARDS IN PAVEMENT QUALITY CONCRETE <i>Dinesh Ganvir, Pranshul Jain, Dr Sangita sharma, Dr Vandana Tare (CSIR-Central Road Research Institute, India)</i>
1410 hrs - 1430 hrs Paper ID 161	DURABILITY ASSESSMENT OF DENSE-GRADED ASPHALT INCORPORATING ELECTRIC ARC FURNACE STEEL SLAG AND COPPER MINE TAILINGS <i>Ebenezer Oluwasola, Mohd Rosli Hainin, Md. Maniruzzaman A. Aziz (Universiti Teknologi Malaysia, Malaysia)</i>
1430 hrs -1450 hrs Paper ID 41	TOWARDS A NEW MIX DESIGN METHOD FOR ASPHALT MIXTURES CONTAINING RAP <i>Dr. Sara Bressi, Prof. André-Gilles Dumont, Dr. Nicolas Bueche, Prof. Gaetano Di Mino (EPFL- Lausanne, Switzerland)</i>
1450 hrs - 1510 hrs Paper ID 13	REJUVENATING AGED BITUMEN WITH COMPOSITE CASTOR OIL <i>Pratik Nayak, Umesh Sahoo (Indian Institute of Technology Bhubaneswar, India)</i>
Session 1-4	Pavement Surface Characteristics (I)
Date/Time	27 July 2016 (Wednesday) / 1310 hrs -1520 hrs
Venue	Jupiter II
Chair	Dr. Waheed Uddin, University of Mississippi
1310 hrs - 1330 hrs Paper ID 23	PREDICTING THE INFIELD SKID RESISTANCE EVOLUTION FROM LABORATORY POLISHING TESTS – CASE STUDY IN NEW ZEALAND <i>Adelia D Nataadmadja, Douglas J Wilson, Seosamh B Costello, Minh Tan Do (The University of Auckland, New Zealand)</i>
1330 hrs - 1350 hrs Paper ID 319	TRAFFIC-SPEED MTD MEASUREMENTS OF PAVEMENT SURFACE COURSE <i>Kars Drenth, Jun Yew Tan, Feng Hua Ju (Samwoh Innovation Centre, Singapore)</i>
1350 hrs - 1410 hrs Paper ID 238	CONSIDERING AGGREGATE POLISHING EFFECT IN PREDICTION OF PAVEMENT SKID RESISTANCE <i>Jia L, T. F. Fwa, K. H. Tan (National University of Singapore, Singapore)</i>
1410 hrs - 1430 hrs Paper ID 212	SAFETY IMPACTS OF PAVEMENT REHABILITATION AT MULTILANE HIGHWAYS <i>Sikai Chen, Tariq Usman, Saeed Al-Qadhi, Samuel Labi, Kumares Sinha (Purdue University, United States of America)</i>
1430 hrs -1450 hrs Paper ID 326	ESTIMATING GROOVE DRAINAGE EFFECTIVENESS OF AIRFIED PAVEMENT <i>Calvin Yeung, Fu Rao, T. F Fwa, Tan Willie (National University of Singapore, Singapore)</i>
1450 hrs - 1510 hrs Paper ID 128	CONSIDERATION OF THE COMBINED EFFECTS OF WATER INTRUSION AND DRAINAGE IN THE MODELING OF TIRE/ROAD FRICTION <i>Minh-Tan Do, Veronique Cerezo (IFSTTAR, France)</i>
1510 hrs - 1530 hrs Paper ID 108	AGGREGATE POLISH VALUE AND ITS CONSIDERATION IN SKID PREDICTION MODELS DEVELOPED IN ARGENTINA <i>Marta Pagola, Oscar Giovanon (National University of Rosario, Argentina)</i>
Session 2-1	Evaluation of Pavement Performance (II)
Date/Time	27 July 2016 (Wednesday) / 1535 hrs -1700 hrs
Venue	Venus I
Chair	Dr Yu-Min SU, National Kaohsiung University of Applied Sciences (KUAS)
1535 hrs - 1555 hrs Paper ID 323	FIELD INVESTIGATION OF ROAD CAVITY AND CAVE-IN IN SEOUL, KOREA <i>Yenwoo Choi, Jongeun Baek, Hyun Choi, Hyun Jong Lee (Seoul Metropolitan Government, Republic of Korea)</i>
1555 hrs - 1615 hrs Paper ID 60	CORRELATING DYNAMIC CONE PENETROMETER AND LABORATORY RESILIENT MODULUS OF SUBGRADE <i>Md Hasan, Md Islam, Rafiqul Tarefder (University of New Mexico, United States of America)</i>
1615 hrs - 1635 hrs Paper ID 94	INFLUENCE OF SUBSURFACE DRAINAGE ON DEFLECTION BASIN PARAMETERS OF FLEXIBLE PAVEMENT: A CASE STUDY IN SÃO PAULO, BRAZIL <i>Carlos Suzuki, Rita Fortes, Angela Azevedo, Caio Santos, Flaviane Lopes, Gustavo Consoni (University of São Paulo, Brazil)</i>

1635 hrs - 1655 hrs Paper ID 329	HIGHWAY SUBSURFACE ASSESSMENT USING PAVEMENT SURFACE DISTRESS AND ROUGHNESS DATA <i>Muhammad Mubarak (Jazan University, Saudi Arabia)</i>
-------------------------------------	--

Session 2-2	Sustainable Pavement Systems (I)
Date/Time	27 July 2016 (Wednesday) / 1535 hrs -1700 hrs
Venue	Venus II
Chair	Dr Zhen Leng, The Hong Kong Polytechnic University
1535 hrs - 1555 hrs Paper ID 9	AGEING BEHAVIOR OF ENERGY REDUCED PAVEMENTS <i>Christiane Raab, Ingrid DO NASCIMENTO CAMARGO, Manfred Partl (Empa, Switzerland)</i>
1555 hrs - 1615 hrs Paper ID 43	PERFORMANCE AND ENVIRONMENTAL ASPECTS OF PRESERVATIVE TREATMENTS ON HIGHWAY AND AIRFIELD ASPHALT SURFACING <i>Iswandaru Widyatmoko (AECOM, United Kingdom)</i>
1615 hrs - 1635 hrs Paper ID 135	“ROAD USE PHASE” ENVIRONMENTAL INDICATOR FOR SUSTAINABLE PAVEMENT MANAGEMENT SYSTEM <i>Shafiq Alam, Dr. Arun Kumar (Queensland University of Technology, Australia)</i>
1635 hrs - 1655 hrs Paper ID 102	IMAGE ANALYSES AND NEURAL NETWORK APPLICATIONS IN PERVIOUS CONCRETE <i>Anush K Chandrappa, Krishna Prapoorna Biligiri (Indian Institute of Technology, Kharagpur, India)</i>

Session 2-3	Pavement Management Systems (I)
Date/Time	27 July 2016 (Wednesday) / 1535 hrs -1700 hrs
Venue	Venus III
Chair	Dr Susan Tighe, University of Waterloo
1535 hrs - 1555 hrs Paper ID 228	STRUCTURED MANAGEMENT OF AIRFIELD PAVEMENTS USING EFFECTIVE TOOLS <i>Kars Drenth, Jun Yew Tan, Fenghua Ju (Samwoh Innovation Centre, Singapore)</i>
1555 hrs - 1615 hrs Paper ID 49	FUTURE OF MANAGEMENT SYSTEMS: INNOVATIVE KEY PERFORMANCE INDICATORS AND ANALYSIS OF DATA <i>Gulfam Jannat, Theuns Henning, Susan Tighe, Ningyuan Li (University of Waterloo, Canada)</i>
1615 hrs - 1635 hrs Paper ID 121	METHODS FOR SELECTION OF OPTIMAL PAVEMENT MAINTENANCE AND REHABILITATION STRATEGIES AT SINGLE-SECTION AND NETWORK LEVEL <i>Markus Hoffmann, Valentin Donev (Institute of Transportation, TU Vienna University of Technology, Austria)</i>
1635 hrs - 1655 hrs Paper ID 234	DEVELOPING A FRAMEWORK FOR AN EFFICACIOUS HIGHWAY ASSET MANAGEMENT SYSTEM IN PAKISTAN <i>Muhammad Irfan, Sarfraz Ahmed, Samuel Labi (National University of Sciences and Technology, Pakistan)</i>

Session 2-4	Pavement Rehabilitation
Date/Time	27 July 2016 (Wednesday) / 1535 hrs -1700 hrs
Venue	Jupiter II
Chair	Dr Yuhong WANG, The Hong Kong Polytechnic University
1535 hrs - 1555 hrs Paper ID 72	PAVEMENT REHABILITATION WITH ASPHALT REINFORCEMENT. CONFIRMATION OF A DESIGN METHOD BY EMPIRICAL TESTING <i>Andreas Elsing, Graham Thomson, Daniel Hilpert (HUESKER Synthetic GmbH, Germany)</i>
1555 hrs - 1615 hrs Paper ID 50	INNOVATIVE REHABILITATION TECHNIQUES FOR ASPHALT ROADWAYS <i>Baris Salman, Ossama Salem, Danielle T. Garguilo (Syracuse University, United States of America)</i>
1615 hrs - 1635 hrs Paper ID 213	IMPACT OF INITIAL (PRE-REHABILITATION) CONDITION ON PAVEMENT REHABILITATION COST <i>Jackeline Murillo Hoyos, Tariq Usman Saeed, Di Zhang, Samuel Labi (Purdue University, United States of America)</i>
1635 hrs - 1655 hrs Paper ID 152	CONCRETE PAVEMENT REHABILITATION BY USING A HIGH MODULUS POLYESTER GRID AS ASPHALT REINFORCEMENT <i>Fabiana Leite-Gembus, Graham Thomson, Cássio Alberto Teoro Do Carmo (Huesker Asia Pacific Pte. Ltd., Singapore)</i>

DAY 2 - THURSDAY, 28 JULY 2016

Session 3-1	Pavement Management Systems (II)
Date/Time	28 July 2016 (Thursday) / 0830 hrs -1020 hrs
Venue	Venus I
Chair	Dr Sam Salem, Syracuse University
0830 hrs - 0850 hrs Paper ID 83	ISSUES AND PERSPECTIVES IN THE APPLICATION OF DIFFERENT PAVEMENT DESIGN METHODS TO LIFE CYCLE COST ANALYSIS <i>Filippo Pratico, Silvia Noto, Armando Astolfi (University Mediterranea of Reggio Calabria, Italy)</i>

0850 hrs - 0910 hrs Paper ID 194	NEW AUTOMATED CRACKING ANALYSIS SYSTEM BASED ON CRACK CONNECTIVITY AND DIRECTION INDICES <i>Hosin Lee, Haena Kim, Jungyong Kim (University of Iowa, United States of America)</i>
0910 hrs - 0930 hrs Paper ID 335	PRELIMINARY STUDY OF THE FEASIBLE MAINTENANCE IN TAIWAN FREEWAY <i>Shih-Huang Chen, Fita Ariyanti, Putri Adhitana Paramitha, Ching-Tseng Hung (National Central University, Taiwan)</i>
0930 hrs - 0950 hrs Paper ID 210	NON-CONSTANT THRESHOLDS FOR OPTIMAL SCHEDULING OF PAVEMENT REHABILITATION <i>Jackeline Murillo-Hoyos, Samuel Labi (Purdue University, United States of America)</i>

Session 3-2	21st Singapore Symposium on Pavement Technology (I)
Date/Time	28 July 2016 (Thursday) / 0830 hrs -1020 hrs
Venue	Venus II
Chair	Dr Kelvin Lee, Samwoh Innovation Centre
0830 hrs - 0850 hrs	Opening Ceremony
0850 hrs - 0930 hrs	Sustainable Pavement Technology in Europe <i>Filippo Practico, University Mediterranea of Reggio Calabria, Italy</i>
0930 hrs - 1000 hrs	Development of Asphalt Pavement Mix Design in Singapore <i>Yoong Chin Chong, Land Transport Authority, Singapore</i>
1000 hrs - 1020 hrs	Use of High Performance Modified Bitumen for Durable Pavement Construction <i>Jia Lu, Shell Singapore</i>

Session 3-3	Kumares C. Sinha Special Session (I)
Date/Time	28 July 2016 (Thursday) / 0830 hrs -1020 hrs
Venue	Venus III
Facilitator	Dr. Benjamín Colucci Director Puerto Rico LTAP and Abertis Chair University of Puerto Rico at Mayagüez (UPRM)
0830 hrs - 0850 hrs	Video Presentation - A Tribute to a Great Researcher and Teacher: Professor Kumares C. Sinha
0850 hrs - 0910 hrs	Innovation in Public Private Partnership in Freeway Infrastructure in Puerto Rico <i>Benjamín Colucci, PhD, PE, Purdue Class of 1984, Professor, University of Puerto Rico at Mayaguez (UPRM), USA Director Puerto Rico LTAP and Abertis Chair</i>
0910 hrs - 0930 hrs	Human Centered Simulation of Road Traffic <i>Essam Radwan, PhD, PE, Purdue Class of 1978 University of Central Florida (UCF), USA Executive Director, Center for Advanced Transportation System Simulation (CATSS)</i>
0930 hrs - 0950 hrs	Pavement Performance and Effect of Maintenance <i>T. F. Fwa, PhD, Purdue Class of 1985 Professor, Director, Center for Transportation Research National University of Singapore</i>
0950 hrs - 1010 hrs	Use of Dynamic Traffic Data for Performance Evaluation and Operation of a Network of Signalized Intersections <i>Mitsuru Saito, PhD, Purdue Class of 1988 Professor, Brigham Young University (BYU), Utah, USA</i>

Session 4-1	Pavement Construction and Maintenance
Date/Time	28 July 2016 (Thursday) / 1040 hrs - 1210 hrs
Venue	Venus I
Chair	Yoshitaka Hachiya, Fujita Road Construction Co. Ltd.
1040 hrs - 1100 hrs Paper ID 205	USE OF EXCAVATED SEDIMENTARY ROCK FOR ROAD RESURFACING <i>Yin Fong Leong, Chin Chong Yong, Than Than Nyunt, Cherlyn Leong, Weide Zhang (Land Transport Authority, Singapore)</i>

1100 hrs - 1120 hrs Paper ID 11	3D PAVING EXPERIENCE AT THE NATIONAL CORVETTE MUSEUM <i>Kristian M. Stoeckel, Todd Mansell (Caterpillar Inc., United States of America)</i>
1120 hrs - 1140 hrs Paper ID 141	TYPICAL APPLICATIONS OF THE SEMI-RIGID PAVEMENT <i>Yanli Zhang, Dongqing Wu (Chemilink, Singapore)</i>
1140 hrs - 1200 hrs Paper ID 22	THE BENEFIT OF LIME AND FOAM BITUMEN STABILISATION <i>Jothi Ramanujam, Damian Volker (Transport and Main Roads, Queensland, Australia)</i>

Session 4-2	21st Singapore Symposium on Pavement Technology (II)
Date/Time	28 July 2016 (Thursday) / 1040 hrs -1210 hrs
Venue	Venus II
Chair	Dr Kelvin Lee, Samwoh Innovation Centre
1040 hrs - 1120 hrs	Evolution of Road and Airfield Pavement Design Practice <i>Nathan Narendranathan and Bruce Rodway, InfraTech Group, Australia</i>
1120 hrs - 1140 hrs	Reliability Analysis of MEPDG Pavement Design Method <i>Raymond Ong, National University of Singapore, Singapore</i>
1140 hrs - 1210 hrs	Panel Discussion

Session 4-3	Kumares C. Sinha Special Session (II)
Date/Time	28 July 2016 (Thursday) / 1040 hrs -1210 hrs
Venue	Venus III
Facilitator	Dr. Benjamín Colucci Director Puerto Rico LTAP and Abertis Chair University of Puerto Rico at Mayagüez (UPRM)
1040 hrs - 1100 hrs	Next Generation Asset Management: The Challenges and Opportunities <i>Samuel Labi, PhD, Purdue Class of 2001</i> <i>Associate Professor, Purdue University, Indiana, USA</i>
1100 hrs - 1120 hrs	State of the Practice in Thailand's Highway Infrastructure Management <i>Kasem Choocharukul, PhD, Purdue Class of 2003</i> <i>Associate Professor, Chulalongkorn University, Thailand</i>
1120 hrs - 1140 hrs	Towards Sustainable and Smart Transportation: A Big Data Driven Approach <i>Zongzhi Li, PhD, Purdue Class of 2003</i> <i>Associate Professor and Director of Transportation Engineering and Infrastructure Engineering and Management</i> <i>Illinois Institute of Technology (IIT), USA</i> <i>University of Central Florida (UCF), USA</i> <i>Executive Director, Center for Advanced Transportation System Simulation (CATSS)</i>
1140 hrs - 1210 hrs	Closure

Session 5-1	Pavement Recycling and Use of Industrial By-Products (II)
Date/Time	28 July 2016 (Thursday) / 1310 hrs -1520 hrs
Venue	Venus I
Chair	Dr Muhammad Ali Mubarak, Jazan University
1310 hrs - 1330 hrs Paper ID 85	THREE-YEAR INVESTIGATION ON HOT AND COLD MIXES WITH RUBBER <i>Filippo Pratico, Antonino Moro, Silvia Noto, Giuseppe Colicchio (University Mediterranea of Reggio Calabria, Italy)</i>
1330 hrs - 1350 hrs Paper ID 106	ESTIMATION OF THE HIGH TEMPERATURE PROPERTIES OF RECLAIMED ASPHALT PAVEMENT BINDER WITHOUT EXTRACTION <i>Chiara Riccardi, Augusto Cannone Falchetto, Massimo Losa, Michael Wistuba (Technische Universität Braunschweig - ISBS, Germany)</i>
1350 hrs - 1410 hrs Paper ID 204	CRACKING OF RECYCLED SUPERPAVE MIXTURES WITH RAP AND RAS <i>Masouemh Tavakol, Mustaque Hossain, Blair Heptig (Kansas State University, United States of America)</i>

1410 hrs - 1430 hrs Paper ID 123	STUDY ON QUALITY IMPROVEMENT OF RECYCLED ASPHALT PAVEMENT <i>Katsura Endo, Norihiro Tachibana, Makoto Ando (The Nippon Road Co., Ltd., Japan)</i>
1430 hrs -1450 hrs Paper ID 58	IMPROVING THE PERFORMANCE OF RECYCLED ASPHALT MIXES USING REJUVENATION ADDITIVES <i>Sachi Kodippily, Glynn Holleran, Theunis FP Henning (Fulton Hogan Ltd, New Zealand)</i>
1450 hrs - 1510 hrs Paper ID 160	THE POTENTIAL USE OF PAVEMENT RECYCLING BLENDING WITH STONE DUST IN ROAD CONSTRUCTION <i>Saravut Jaritngam, Opas Somchainuek, Pichai Taneerananon (Prince of Songkla University,Thailand)</i>

Session 5-2	Pavement Surface Characteristics (II)
Date/Time	28 July 2016 (Thursday) / 1310 hrs -1520 hrs
Venue	Venus II
Chair	Dr Minh-Tan Do, IFSTTAR - French Institute of Science and Technology for Transport, Development and Networks
1310 hrs - 1330 hrs Paper ID 76	INVESTIGATION ON THE COMBINED EFFECT OF LATERAL OFFSET AND TRANSVERSE PROFILE SHAPE ON RUT DEPTH MEASUREMENT ACCURACY <i>Di Wang, Augusto Cannone Falchetto, Michael Wistuba, Yichang Tsai (Technische Universität Braunschweig - ISBS, Germany)</i>
1330 hrs - 1350 hrs Paper ID 199	PAVEMENT ROUGHNESS EVALUATION METHOD FOR LOW VOLUME ROADS <i>H.R. Pasindu, Deshan Erange, Saman Bandara (University of Moratuwa, Sri Lanka)</i>
1350 hrs - 1410 hrs Paper ID 318	ANALYSIS OF ASPHALT MIX SURFACE-TREAD RUBBER INTERACTION BY USING FINITE ELEMENT METHOD <i>Santosh Kumar Srirangam, Anupam Kumar, Kasbergen Cor, Scarpas Tom (HSL Constructor Pte. Ltd., Singapore)</i>
1410 hrs - 1430 hrs Paper ID 95	RHEOLOGICAL PROPERTIES OF TIRE RUBBER USING DYNAMIC SHEAR RHEOMETER FOR FEM TIRE-PAVEMENT INTERACTION STUDIES <i>Kumar Anupam, Amou Zegard, Farhad Helmand, Tang Tianchi, Athanasios Scarpas (Delft University of Technology, Netherlands)</i>
1430 hrs -1450 hrs Paper ID 110	DURABILITY OF WEARING COURSES MADE WITH STEELWORKS SLAG <i>Bruno Crisman, Giulio Ossich, Roberto Roberti (Trieste University, Italy)</i>
1450 hrs - 1510 hrs Paper ID 167	DIAMOND GRINDING OR GROOVING A CONCRETE PAVEMENT? ACHIEVING THE 4S'S IN THE 21ST CENTURY. A CONTRACTOR'S EXPERIENCE IN AUSTRALIA <i>Dominic O'Brien (Bernipave, Australia)</i>

Session 5-3	Pavement Performance Models
Date/Time	28 July 2016 (Thursday) / 1310 hrs -1520 hrs
Venue	Venus III
Chair	Dr Shih-Huang Chen, National Central University, Taiwan
1310 hrs - 1330 hrs Paper ID 114	DEVELOPMENT OF PROBABILITY-BASED PAVEMENT PERFORMANCE CURVES FOR PAVEMENT MANAGEMENT SYSTEMS <i>Carlos Chang, Rafael Ramirez (University of Texas at El Paso, United States of America)</i>
1330 hrs - 1350 hrs Paper ID 120	PAVEMENT PERFORMANCE PREDICTION AND ESTIMATION OF SERVICE LIFE IN THE PRESENCE OF CENSORED CONDITION DATA <i>Markus Hoffmann, Valentin Donev (Institute of Transportation, TU Vienna University of Technology, Austria)</i>
1350 hrs - 1410 hrs Paper ID 91	PAVEMENT PERFORMANCE MODEL FOR PMGSY ROADS IN INDIA <i>Praveen S B, Sunitha V, VEERARAGAVAN A., Samson Mathew (National Institute of Technology Tiruchirappalli, India)</i>
1410 hrs - 1430 hrs Paper ID 132	VISCOELASTIC PAVEMENT MODELING WITH A SPREADSHEET <i>Eyal Levenberg (Technical University of Denmark (DTU), Denmark)</i>
1430 hrs -1450 hrs Paper ID 178	MODELING OF ASPHALT PAVEMENT RUTTING FOR LTPP SOUTHERN REGION USING MULTIPLE LINEAR REGRESSION AND ANN METHODS <i>Zul Fahmi Mohamed Jaafar, Waheed Uddin (University of Mississippi, United States of America)</i>
1450 hrs - 1510 hrs Paper ID 52	DISTRESS BASED PAVEMENT PERFORMANCE PREDICTION MODELS <i>Maher MAHMOOD, Mujib Rahman, Senthana Mathavan (Nottingham Trent University, United Kingdom)</i>

Session 6-1	Sustainable Pavement Systems (II)
Date/Time	28 July 2016 (Thursday) / 1535 hrs -1720 hrs
Venue	Venus I
Chair	Dr Veeraragavan Amirthalingam, Indian Institute of Technology, Madras
1535 hrs - 1555 hrs Paper ID 129	EVALUATION ON THE PERPETUITY OF TOLO / FANLING HIGHWAY PAVEMENT IN HONG KONG <i>Gordon LM Leung, Alan WG Wong, Sizeng You (Technological and Higher Education Institute of Hong Kong, Hong Kong)</i>
1555 hrs - 1615 hrs Paper ID 131	A SUSTAINABILITY EVALUATION OF HOT-IN-PLACE ASPHALT RECYCLING TECHNIQUE <i>Hasan Ozer, Rebekah Yang, Punit Singhvi, Imad Al-Qadi (University of Illinois at Urbana-Champaign, United States of America)</i>

1615 hrs - 1635 hrs Paper ID 310	SUSTAINABLE ASPHALT PAVING TECHNOLOGY FOR HAUL ROADS IN AMAZON REGION OF BRAZIL <i>Waheed Uddin, João Merighi, Rita Fortes (University of Mississippi, United States of America)</i>
1635 hrs - 1655 hrs Paper ID 224	LABORATORY AND IN-SITU ASSESSMENT OF CONSTRUCTION EMISSIONS OF ASPHALT PAVEMENTS <i>Shiyong LIN, Wingtat HUNG (The Hong Kong Polytechnic University, Hong Kong)</i>
1655 hrs - 1715 hrs Paper ID 153	FRONT END DECISION MAKING FOR ROAD PROJECTS - A SUSTAINABILITY FRAMEWORK <i>Angela Reidy, Arun Kumar, Stephen Kajewski (Queensland University of Technology, Australia)</i>

Session 6-2	Pavement Materials (III)
Date/Time	28 July 2016 (Thursday) / 1535 hrs -1720 hrs
Venue	Venus II
Chair	Dr Jian-Shiuh Chen, National Cheng Kung University
1535 hrs - 1555 hrs Paper ID 168	THE ENGINEERING PROPERTIES OF THE FINE FRACTION OF MARGINAL NEW ZEALAND GREYWACKE AGGREGATES <i>Wentao Li, Douglas Wilson, Tam Larkin, Philippa Black (The University of Auckland, New Zealand)</i>
1555 hrs - 1615 hrs Paper ID 158	BACILLUS CEREUS IN ACRYLIC COATED MEMBRANE AS CONCRETE CRACK REPAIR AGENT FOR SELF-HEALING PROCESS <i>Agus Kurniawan, Iman Haryanto, Heru Budi Utomo (University of Gadjah Mada, Indonesia)</i>
1615 hrs - 1635 hrs Paper ID 209	NEW ATTEMPTS FOR PERFORMANCE EVALUATION OF NANO-VOLCANIC ASH MODIFIED ASPHALT PAVEMENT MATERIAL <i>Xu Liu, Wanqiu Liu, Shuyin Wang, Zheren Wang (Dalian University of Technology, China)</i>
1635 hrs - 1655 hrs Paper ID 137	DEVELOPMENT AND EVALUATION OF SULPHUR MODIFIED BITUMEN BINDER <i>Mahabir Panda, Jhunarani Ojha (National Institute of Tech, Rourkela, Odisha, India)</i>
1655 hrs - 1715 hrs Paper ID 117	THERMAL SEGREGATION OF ASPHALT MATERIAL IN ROAD REPAIR <i>Juliana Byzyka, Mujib Rahman, Denis Albert Chamberlain (Brunel University London, United Kingdom)</i>

Session 6-3	Pavement Management Systems (III)
Date/Time	28 July 2016 (Thursday) / 1535 hrs -1720 hrs
Venue	Venus III
Chair	Dr Kazuya Tomiyama, Kitami Institute of Technology
1535 hrs - 1555 hrs Paper ID 223	LIFE CYCLE COST ANALYSIS OF CONCRETE AND ASPHALT PAVEMENTS IN TAIWAN FREEWAY NETWORK: A CASE STUDY <i>Chang-Jun Hsieh, Chia-Pei Chou, Ai-Chin Chen (National Taiwan University, Taiwan)</i>
1555 hrs - 1615 hrs Paper ID 75	VALUE-FOR-MONEY IN HIGHWAY MAINTENANCE THROUGH BENCHMARKING <i>Harish Shivaramu, Seosamh Costello, Theuns Henning (University of Auckland, New Zealand)</i>
1615 hrs - 1635 hrs Paper ID 338	ANALYSIS OF DYNAMIC SEGMENTATION IN PAVEMENT MAINTENANCE MANAGEMENT FOR NATIONAL FREEWAYS <i>Min-Che Ho, Jyh-Dong LIN, Min-Yan Huang, Shih-Ming Hsu (Hiroshima University, Japan)</i>
1635 hrs - 1655 hrs Paper ID 309	APPLICATION OF BEE COLONY ALGORITHM FOR PAVEMENT RESURFACING PROBLEM <i>Tapas Ranjan Panda, Aravind Krishna Swamy (Indian Institute of Technology Delhi, India)</i>
1655 hrs - 1715 hrs Paper ID 109	URBAN PAVEMENT MAINTENANCE MANAGEMENT SYSTEM FOR TIRUCHIRAPPALLI CITY <i>Karthik K R, Rejani V U, Sunitha V, Samson Mathew, Veeraragavan A (National Institute of Technology Tiruchirappalli, India)</i>

DAY 3 - FRIDAY, 29 JULY 2016

Session 7-1	Warm Mix Asphalt
Date/Time	29 July 2016 (Friday) / 0830 hrs -1020 hrs
Venue	Venus I
Chair	Dr Meor Othman Hamzah, Universiti Sains Malaysia
0830 hrs - 0850 hrs Paper ID 37	COMPACTION CHARACTERISTICS AND PERFORMANCE OF WARM MIX ASPHALT <i>Ambika Behl, Satish Chandra (CSIR-Central Road Research Institute, India)</i>
0850 hrs - 0910 hrs Paper ID 195	EVALUATION OF ADDITIVES FOR CHARACTERIZING WARM MIX ASPHALT (WMA) MIXTURES IN PUERTO RICO <i>Benjamin Colucci-Rios, Freddie Salado (University of Puerto Rico - Mayaguez, Puerto Rico)</i>
0910 hrs - 0930 hrs Paper ID 40	MICROSTRUCTURE OF WARM MIX ASPHALT BINDER EXPOSED TO UV LIGHT AND HEAT <i>Ilaria Menapace, Eyad Masad, Mohammed Sadeq (Texas A&M University at Qatar, Qatar)</i>

0930 hrs - 0950 hrs Paper ID 105	PERFORMANCE AND FATIGUE BEHAVIOR OF WARM MIX ASPHALT CONCRETE BINDER COURSE (AC-BC) CONTAINING RECLAIMED ASPHALT PAVEMENT (RAP) <i>Bambang Sugeng Subagio, Indra Maha, Harmein Rahman (Institute of Technology Bandung, Indonesia)</i>
0950 hrs - 1010 hrs Paper ID 97	FUNDAMENTAL STUDY FOR DEVELOPMENT OF PRE-HEATER USED IN WARM IN-PLACE RECYCLING BY LABORATORY AND FIELD TESTS (POSTER) <i>Jeong Hyuk Im, Kyudong Jeong, Soo-Ahn Kwon, Yongjoo Kim, Jinwook Lee, Jaejun Lee (Korea Institute of Civil Engineering and Building Technology, Republic of Korea)</i>

Session 7-2	Pavement Management Systems (IV)
Date/Time	29 July 2016 (Friday) / 0830 hrs -1020 hrs
Venue	Venus II
Chair	Dr Bambang S SUBAGIO, Institute of Technology Bandung
0830 hrs - 0850 hrs Paper ID 82	ASSESSMENT OF DIFFERENT GENETIC ALGORITHMS FOR PAVEMENT MANAGEMENT SYSTEMS <i>André Moreira, Joel Olivera, Lino Costa, Tien Fwa (University of Minho, Portugal)</i>
0850 hrs - 0910 hrs Paper ID 215	MULTI-DIMENSIONAL CHARACTERIZATION OF SCALE ECONOMIES IN PAVEMENT REHABILITATION AND RECONSTRUCTION <i>Trevor Klatko, Bismark Agbelie, Samuel Labi (Purdue University, United States of America)</i>
0910 hrs - 0930 hrs Paper ID 18	IMPORTANCE OF CONSISTENT ACCURACY OF GEOMETRIC ANALYSIS BASED ON SURVEY VEHICLES <i>DJ Swan, Monty Cliff (Fugro Roadware, Canada)</i>
0930 hrs - 0950 hrs Paper ID 339	IMPORT PAVEMENT ENGINEERING RESUME ANALYSIS TO NATIONAL FREEWAY PAVEMENT MANAGEMENT SYSTEM <i>Min-Che Ho, Jyh-Dong Lin, Min-Yan Huang, Shih-Ming Hsu (Hiroshima University, Japan)</i>
0950 hrs - 1010 hrs Paper ID 334	CASE STUDY OF ROAD ASSET MANAGEMENT SYSTEM FOR ROAD SAFETY IN A MUNICIPALITY OF KOREA <i>Mi-Yun Park, Sangyum Lee, David Lee, Youn-Gyu Kim (S.H. Tech & Policy Institute Co., Ltd., Republic of Korea)</i>

Session 7-3	Workshop on Airfield Pavements (I)
Date/Time	29 July 2016 (Friday) / 0830 hrs -1020 hrs
Venue	Venus III
Chair	Kars P. Drenth, Samwoh Innovation Centre
0830 hrs - 0910 hrs	Challenges of Data Automation for Pavement Distress Survey in the 3D World <i>Kelvin Wang, Oklahoma State University, USA</i>
0910 hrs - 0950 hrs	Runway Grooving – The Past, Present and Future <i>Jeffrey Gagnon, Federal Aviation Administration, USA</i>
0950 hrs - 1020 hrs	Development of Asphalt Pavement Mix Design in Singapore <i>Airport Pavement Surfacing, Bruce Rodway and Nathan Narendranathan, InfraTech Group, Australia</i>

Session 7-4	Pavement Surface Characteristics (III)
Date/Time	29 July 2016 (Friday) / 0830 hrs -1020 hrs
Venue	Jupiter II
Chair	Dr Ilaria Menapace, Texas A&M University at Qatar
0830 hrs - 0850 hrs Paper ID 202	3-D LASER DATA COLLECTION AND ANALYSIS FOR ROAD SURFACE TEXTURE <i>Humaira Zahir, Shuvo Islam, Rick Miller, Dr. Mustaque Hossain (Kansas State University, United States of America)</i>
0850 hrs - 0910 hrs Paper ID 222	EVALUATING PAVEMENT ROUGHNESS BASED ON SMARTPHONE BUILT-IN SENSORS AND ACCELEROMETER <i>Po Kai Ku, Chia Pei Chou, Ai Chin Chen (National Taiwan University, Taiwan)</i>
0910 hrs - 0930 hrs Paper ID 173	CHARACTERIZATION OF SURFACE ROUGHNESS ON MUNICIPAL PAVEMENTS <i>Kazuya Tomiyama, Nueraihemaitijiang Abulizi, Akira Kawamura (Kitami Institute of Technology, Japan)</i>
0930 hrs - 0950 hrs Paper ID 78	MEASUREMENT OF SURFACE CHARACTERISTICS IN GERMANY AND ITS POTENTIAL <i>Tanja Altemeier, Ulrike Stoeckert (Federal Highway Research Institute (BASt), Germany)</i>
0950 hrs - 1010 hrs Paper ID 217	SURFACE CHARACTERISTICS OF CONCRETE PAVEMENTS WITH VARIOUS TYPES OF SURFACE TEXTURES <i>Zhen Leng, Dawei Wang (The Hong Kong Polytechnic University, Hong Kong SAR)</i>

Session 8-1	Evaluation of Pavement Performance (III)
Date/Time	29 July 2016 (Friday) / 1040 hrs - 1210 hrs
Venue	Venus I
Chair	Dr Gary Chai, Griffith School of Engineering

1040 hrs - 1100 hrs Paper ID 336	THE CORRECTION FACTOR OF RESILIENT MODULUS FROM FWD APPLIED TO STRUCTURAL ANALYSIS OF ROUTINE MAINTENANCE ON FREEWAY <i>Shih-Huang Chen, Jyh-Dong Lin, Ren-Cih Liou, Jyun-Hong Guo (National Central University, Taiwan)</i>
1100 hrs - 1120 hrs Paper ID 29	FIELD CRACKING PERFORMANCE OF AIRFIELD RIGID PAVEMENTS <i>Yusuf Mehta, Douglas Cleary, Ayman Ali (Rowan University, United States of America)</i>
1120 hrs - 1140 hrs Paper ID 74	MATERIAL EVALUATION OF AIRPORT PAVEMENT USING SEISMIC TECHNIQUE <i>Norfarah Nadia Ismail, Nur Izzu Md Yusoff, Khairul Anuar Mohd Nayan, Amiruddin Ismail, Muhammad Mubarak, Norinah Abd. Rahman (Universiti Kebangsaan Malaysia, Malaysia)</i>
1140 hrs - 1200 hrs Paper ID 200	MONITORING PAVEMENT RESPONSES THROUGHOUT ITS LIFE CYCLE USING HEAVY VEHICLE SIMULATOR <i>Freddie Salado, Gerardo Flintsch, Wenjing Xue (Virginia Tech Transportation Institute, United States of America)</i>

Session 8-2	Sustainable Pavement Systems (III)
Date/Time	29 July 2016 (Friday) / 1040 hrs - 1210 hrs
Venue	Venus II
Chair	Glynn Holleran, Fulton Hogan Ltd
1040 hrs - 1100 hrs Paper ID 65	RELATING QUALITY OF CONSTRUCTION TO PERFORMANCE OF FOAMED ASPHALT MIXES FOR MAINTENANCE AND REHABILITATION OF PAVEMENTS <i>Pankaj Rawat, Nivedya M.K., Rajib B. Mallick, Veeraragavan A. (Indian Institute of Technology Madras, India)</i>
1100 hrs - 1120 hrs Paper ID 51	ASSESSMENT OF TRAFFIC EMISSION IMPACTS DUE TO RIGID PAVEMENT REPAIR AND REHABILITATION ACTIVITIES <i>Sudipta Ghorai, Ossama Salem, Baris Salman (Syracuse University, United States of America)</i>
1120 hrs - 1140 hrs Paper ID 136	INNOVATIVE TECHNOLOGIES IN ROAD SECTOR <i>Pardeep Oad, Arun Kumar, Stephen Kajewski (Queensland University of Technology, Australia)</i>
1140 hrs - 1200 hrs Paper ID 192	ASSESSMENT OF ENERGY CONSUMPTION OF ROAD DUE TO ROLLING RESISTANCE <i>Veronique Cerezo, Michel Dauvergne, Arthur Delfosse, Emmanuel Vinot (Lunam, IFSTTAR/AME/EASE, France)</i>

Session 8-3	Workshop on Airfield Pavements (II)
Date/Time	29 July 2016 (Friday) / 1040 hrs -1210 hrs
Venue	Venus III
Chair	Dr JIA Lu, Shell Eastern Petroleum Pte Ltd
1040 hrs - 1120 hrs	Innovations in Design and Construction of Airfield Pavements <i>Nathan Narendranathan, InfraTech Group, Australia</i>
1120 hrs - 1210 hrs	Rigid Pavement Construction using Recycled Concrete Aggregates at Changi Airport <i>Poo Loo Ying, Changi Airport Group, Singapore and Teoh Sze Tean, Vanstar Civil Engineering Pte Ltd, Singapore</i>

Session 9-1	Pavement Recycling and Use of Industrial By-Products (III)
Date/Time	29 July 2016 (Friday) / 1310 hrs -1550 hrs
Venue	Venus I
Chair	Dr Yusuf Mehta, Rowan University
1310 hrs - 1330 hrs Paper ID 32	THE USE OF RECYCLED OPEN GRADED POROUS ASPHALT IN HIGH PERFORMANCE SURFACING MIXES FOR HIGH VOLUME ROAD <i>Irina Holleran, Douglas J. Wilson, Lubinda Walubita, Glynn Holleran (The University of Auckland, New Zealand)</i>
1330 hrs - 1350 hrs Paper ID 298	REUSE OF RECLAIMED ASPHALT WITH BIO-BASED REJUVENATOR IN TAIWAN <i>Laurent Porot, Andrew Su, Tommy Tham (Arizona Chemical, Netherlands)</i>
1350 hrs - 1410 hrs Paper ID 115	PRODUCTION OF ASPHALT PAVEMENTS USING A RECOVERY PRODUCT OF STEELWORKS SLAG <i>Bruno Crisman, Paolo Bevilacqua, Andrea Guidolin, Lorenzo De Lorenzi (Trieste University, Italy)</i>
1410 hrs - 1430 hrs Paper ID 96	EXPERIMENTAL INVESTIGATION OF ASPHALT MIXTURE CONTAINING LINZ-DONAWITZ (LD) STEEL SLAG <i>Jens Grönniger, Ivan Isailović, Augusto Cannone Falchetto, Michael Wistuba (Technische Universität Braunschweig - ISBS, Germany)</i>
1430 hrs -1450 hrs Paper ID 159	THE POSSIBILITY OF USING STEEL SLAG FOR PAVEMENT STRUCTURE APPLICATION IN VIETNAM <i>Saravut Jaritngam, Prawit Paotong, Kiattisak Wongsopanakul, Pichai Taneerananon (Prince of Songkla University, Thailand)</i>
1450 hrs - 1510 hrs Paper ID 226	THE EFFECTS OF USING WASTE COOKING OIL AS A REJUVENATOR ON THE PROPERTIES OF NATURALLY AGED ASPHALT BINDERS <i>Yuhong Wang, Kecheng Zhao, Yin Sheng (Hong Kong Polytechnic University, Hong Kong SAR)</i>
1510 hrs - 1530 hrs Paper ID 64	COMPARISON BETWEEN RESILIENT MODULUS AND DYNAMIC MODULUS OF AC-BC MIXTURE USING RAP MATERIAL <i>Bambang Sugeng Subagio, Edwin Nirwan, Harmein Rahman (Institute of Technology Bandung, Indonesia)</i>

1530 hrs - 1550 hrs Paper ID 139	RESEARCH ON HIGH MODULUS ASPHALT CONCRETE PERFORMANCE WITH HIGH CONTENT OF RECLAIMED ASPHALT PAVEMENT (RAP) <i>Geng Lei, Guan Yongsheng, Sulong Zhang, Yongli Zhao (Jiangsu SinoRoad Engineering Research Institute Co. LTD, China)</i>
Session 9-2	Pavement Materials (IV)
Date/Time	29 July 2016 (Friday) / 1310 hrs -1550 hrs
Venue	Venus II
Chair	Dr Douglas J. Wilson, The University of Auckland
1310 hrs - 1330 hrs Paper ID 197	EFFECT OF SULFUR ON THE ENGINEERING PROPERTIES OF POLYMER-MODIFIED ASPHALT <i>Jian-Shiuh Chen, Han-Chang Ho, Yuh-Shin Chen, Wen-Cheng Chang, and Ching-Yuan Hou (National Cheng Kung University, Taiwan)</i>
1330 hrs - 1350 hrs Paper ID 297	PROPOSED JAPANESE MIX DESIGN METHODOLOGY FOR POROUS ASPHALT USING MODIFIED BINDER <i>Meor Othman Hamzah, Nakanishi Hiromitu, Mohd Rosli Mohd Hasan (Universiti Sains Malaysia, Malaysia)</i>
1350 hrs - 1410 hrs Paper ID 44	APPLICATION OF IN-SITU MIXING HYDRATION ACCELERATOR ON POLYMER-MODIFIED CONCRETE FOR BONDED CONCRETE OVERLAY <i>Young Kyu Kim, Seong Jae Hong, Seung Woo Lee (Gangneung-Wonju National University, Republic of Korea)</i>
1410 hrs - 1430 hrs Paper ID 140	RESEARCH ON THE APPLICATION OF COLD MIX RESIN IN THE MAINTENANCE OF EPOXY ASPHALT STEEL BRIDGE DECK PAVEMENT <i>Youqiang Pan, Hui Zhang, Di Li, Zhixiang Zhang (Jiangsu SinoRoad Engineering Research Institute, China)</i>
1430 hrs -1450 hrs Paper ID 182	FIELD IMPLEMENTATION AND PERFORMANCE OF COIR GEOTEXTILES REINFORCED ROADS <i>Chetan Bhole, V Sunitha, Samson Mathew, S.Moses Santhakumar (National Institute of Technology,Tiruchirappalli, India)</i>
1450 hrs - 1510 hrs Paper ID 63	THE EFFECT OF INCREASING COMPACTION TEMPERATURE ON COLD PAVING HOT MIX ASBUTON (CPHMA) PERFORMANCE <i>Ludfi Djakfar, Hendi Boputro, Frigi Firstyan, Gabriel Bagus (Universitas Brawijaya, Indonesia)</i>
1510 hrs - 1530 hrs Paper ID 337	RECENT ADVANCES IN PERFORMANCE BASED CHARACTERISATION OF ASPHALT MIXTURES – A REVIEW <i>Olubayode Ero-Phillips (IPC Global, Australia)</i>

Session 9-3	Workshop on Airfield Pavements (III)
Date/Time	29 July 2016 (Friday) / 1310 hrs -1545 hrs
Venue	Venus III
Chair	Kars P. Drenth, Samwoh Innovation Centre
1310 hrs - 1545 hrs	Airport Pavement Design using FAARFIELD – A Tutorial <i>Jeffrey Gagnon, Federal Aviation Administration, USA</i>

Session 9-4	Pavement Design
Date/Time	29 July 2016 (Friday) / 1310 hrs -1550 hrs
Venue	Jupiter II
Chair	Dr Christiane Raab, Carleton University
1310 hrs - 1330 hrs Paper ID 20	A CASE STUDY OF AIRFIELD PAVEMENT DESIGNS FOR A MAJOR AIRPORT USING APSDS <i>Gary W. Chai, Leigh Wardle, Michael Haydon (Griffith University, Australia)</i>
1330 hrs - 1350 hrs Paper ID 165	APPLICABILITY OF CONCEPT OF PERPETUAL PAVEMENT TO AIRPORT PAVEMENTS <i>Yoshitaka Hachiya, Hideo Ooki, Masahiro Kanno, Osamu Takahashi (Fujita Road Construction, Co.,Ltd., Japan)</i>
1350 hrs - 1410 hrs Paper ID 42	SENSITIVE ANALYSIS OF COMPOSITE PAVEMENT FOR CARGO PORT OR CONTAINER TERMINAL AREA <i>Makara Rith, Seok Hee Hwang, Beom Jun Chon, Seung Woo Lee (Gangneung-Wonju National University, Republic Of Korea)</i>
1410 hrs - 1430 hrs Paper ID 104	A PROBABILISTIC APPROACH FOR ASPHALTIC PAVEMENTS DESIGN IN BRAZIL <i>Caio Rubens Santos, Liedt Bernucci, Carlos Suzuki (USP, Brazil)</i>
1430 hrs -1450 hrs Paper ID 45	DEVELOPMENT OF A MODEL FOR EQUIVALENT AXLE LOAD FACTORS <i>Jorge Pais, Paulo Pereira (University of Minho, Portugal)</i>
1450 hrs - 1510 hrs Paper ID 16	THE DEVELOPMENT OF STRUCTURAL DESIGN METHOD OF COMPOSITE PAVEMENT IN JAPAN <i>Takayuki KAZATO, Keizo KAMIYA, Shigeki TAKAHASHI (NEXCO Research Institute, Japan)</i>
1510 hrs - 1530 hrs Paper ID 99	DEVELOPMENT OF A NEW METHODOLOGY TO INVESTIGATE FRACTURE PERFORMANCE OF ASPHALT MIXTURES USING SEMICIRCULAR BENDING TEST <i>Gourab Saha, Krishna Prapoorna Biligiri (Indian Institute of Technology Kharagpur, India)</i>