

Monday 21st - July

Technical Sessions I: 10:50 - 12:10

Room 107 (1) Design and Analysis (I) Chaired by Tatsuya ISHIKAWA	Room 108 (2) Testing and Evaluation (I) Chaired by Gary CHAI	Room 206 (3) Materials (I) Chaired by Masashi KOYANAGAWA	Room 207 (4) Environmental Issues Chaired by Boon Hwee LOW
<p>1 NUMERICAL ANALYSIS OF FATIGUE CRACK PROPAGATION OF ASPHALT CONCRETE PAVEMENT ON STEEL DECK</p> <p><i>Tuan-jie CHEN, Wei HUANG, Shuang-jie WANG and Xiao-jun DING (China)</i></p>	<p>1 INTERNAL STRUCTURE CHARACTERIZATION OF HMA USING DIFFERENT COMPACTION METHOD</p> <p><i>Zhang LEI, Wang ZHEREN and Ding YINPING (China)</i></p>	<p>1 POZZOLANIC EFFECT, ELASTIC MODULUS AND ABRASION RESISTANCE: FROM CLASSIFIED FLY ASH TO LAGOON ASH</p> <p><i>Chetan HAZAREE and J. D. BAPAT (U.S.A.)</i></p>	<p>1 SKID RESISTANCE ON POROUS ASPHALT PAVEMENT IN WINTER</p> <p><i>Manabu CHIBA, Jun TAKO and Ryuji ABE (Japan)</i></p>
<p>2 ANALYSIS OF SHEAR STRESS IN ASPHALT PAVEMENTS UNDER ACTUAL MEASURED TIRE-PAVEMENT CONTACT PRESSURE</p> <p><i>Kai SU, Lijun SUN, Yoshitaka HACHIYA and Ryota MAEKAWA (Japan)</i></p>	<p>2 FIELD EVALUATION OF STONE MASTIC ASPHALT FOR RUNWAY PAVEMENT IN SINGAPORE CHANGI AIRPORT</p> <p><i>Kelvin Yang Pin LEE, Nyok Yong HO, Jun Yew TAN, Yiik Diew WONG, L. SOMKIAT, Choon Onn HOW and Ken Tiong Tian TEO (Singapore)</i></p>	<p>2 RESEARCH ON THE FATIGUE PERFORMANCE OF FLEXIBLE FIBER REINFORCED CONCRETE</p> <p><i>Xiaobing HE, Zhijian YI and Qingguo YANG (China)</i></p>	<p>2 A STUDY OF ANTI-FROST LAYER FOR THE ROAD PAVEMENT IN KOREA</p> <p><i>Jung-Hoon JIN, Gyu-Tae CHO, Tae-Jun JUNG, Man-Bok HA, Chul-Moon KIM, Young-Kug NAM and Byung-Kwon MOON (Korea)</i></p>
<p>3 ASSESSMENT OF LOAD BEARING CAPACITY FOR PAVEMENTS USING SOIL-WATER CHARACTERISTIC RELATIONSHIP</p> <p><i>Jeongho OH, Emmanuel FERNANDO and Wenting LIU (U.S.A.)</i></p>	<p>3 ENGINEERING PROPERTIES OF COLD IN-PLACE RECYCLING MATERIALS TREATED WITH FOAMED ASPHALT IN THAILAND</p> <p><i>Jittima ANGSA NAM, Tunwin SVASDISANT, Direk LAVANSIRI and Suched LIKITLERSUANG (Thailand)</i></p>	<p>3 EVALUATION OF MODULI OF BITUMINOUS MIXTURES FOR INDIAN HIGHWAYS</p> <p><i>D. S. N. V. Amar KUMAR, M. Amaranath REDDY and K. Sudhakar REDDY (India)</i></p>	<p>3 A STUDY ON APPLICATION OF PERMEABLE ASPHALT PAVEMENT IN TRAFFIC ROADS</p> <p><i>Kazuyuki KUBO, Masahide ITO and Takayuki AYABE (Japan)</i></p>
<p>4 INFLUENCE OF CROSS-ANISOTROPY MATERIAL BEHAVIOR ON BACK-CALCULATION ANALYSIS OF MULTI-LAYERED SYSTEMS</p> <p><i>Yoshiaki OZAWA, James MAINA and Kunihiro MATSUI (Japan)</i></p>	<p>4 CORE-RING STRAIN GAGE PROCEDURE FOR MEASURING RESIDUAL STRESS IN A CONCRETE BEAM</p> <p><i>Frank PECHT and Edward GUO (U.S.A.)</i></p>	<p>4 FUEL-RESISTANT HOT MIX ASPHALTS: A THEORETICAL AND EXPERIMENTAL INVESTIGATION</p> <p><i>Filippo G. PRATICÒ, Rachele AMMENDOLA and Antonino MORO (Italy)</i></p>	<p>4 ARTIFICIAL NEURAL NETWORK IN TRANSPORT RELATED POLLUTION MODELLING</p> <p><i>M. PARIDA, S. S. JAIN and K. D. SHARMA (India)</i></p>

Monday 21st - July

Technical Sessions II: 13:30 - 14:50

Room 107 (1) Performance (I) Chaired by Kelvin LEE	Room 108 (2) Testing and Evaluation (II) Chaired by Sukhvir Singh JAIN	Room 206 (3) Maintenance and Rehabilitation / Management Systems (I) Chaired by Jian-Shiuh CHEN	Room 207 (4) Materials (II) Chaired by Osamu TAKAHASHI
<p>1 INFLUENCE OF MECHANICAL PROPERTIES OF COMPACTED ASPHALT AND TEMPERATURE ON FATIGUE -Binder and Asphalt Mix Fatigue Test-</p> <p><i>Hartmut Johannes BECKEDAH, Pahirangan SIVAPATHAM and Tanja HOFFMANN (Germany)</i></p> <p>2 EFFECTS OF SEASONAL VARIATIONS ON THE FLEXIBLE PAVEMENT IN THAILAND</p> <p><i>Nawapol BRAHMAJAREE, Direk LAVANSIRI and Saengchai TEPSTITTITAKORN (Thailand)</i></p> <p>3 EXPERIMENTAL EVALUATION OF PAVEMENT PERFORMANCE: KOREA EXPRESSWAY CORPORATION TEST ROAD</p> <p><i>Youngguk SEO, Soon-Min KWON and Kwang-Ho LEE (Korea)</i></p>	<p>1 STRUCTURAL EVALUATION OF ASPHALT CONCRETE PAVEMENTS THAT CONSIDERS THE UNCERTAINTIES OF LAYERED MATERIAL PROPERTIES</p> <p><i>Sungho MUN, Jung-Hoon JIN, Kwang-Ho LEE and Tae-Soon PARK (Korea)</i></p> <p>2 EFFECT OF INTERFACE BONDING ON PERFORMANCE OF ULTRA-THIN WHITE TOPPING STRUCTURE WITH HIGH STRENGTH CONCRETE PANEL</p> <p><i>Tatsuo NISHIZAWA, Hiroyuki OBATA, Iwao SASAKI and Katsuoro KOKUBU (Japan)</i></p> <p>3 PERFORMANCE EVALUATION OF WARM MIX ASPHALT PRODUCED WITH SASOBIT ADDITIVE</p> <p><i>Ma. Bemadeth C. BORLEO, Kunnawee KANITPONG and Nuttaporn CHAROENTHAM (Thailand)</i></p> <p>4 IN SITU MATERIAL CHARACTERIZATION ON ACCELERATED LOADING PAVEMENTS</p> <p><i>Zhong WU, Xingwei CHEN and Zhongjie ZHANG (U.S.A.)</i></p>	<p>1 PLANNING, DESIGN AND IMPLEMENTATION OF MAJOR RUNWAY RESURFACING AT HONG KONG INTERNATIONAL AIRPORT</p> <p><i>David C. H. LI, Wyllie H. W. FUNG, Iswandaru WIDYATMOKO, Richard C. ELLIOTT and Bent K. LARSEN (Hong Kong)</i></p> <p>2 DEVELOPMENT OF A FLEXIBLE PAVEMENT ROUGHNESS MODEL BY NUMERICAL SIMULATION</p> <p><i>Jiao WU and Zhongxin WU (U.S.A.)</i></p> <p>3 DISTRIBUTION OF AXLE LOADS OF COMMERCIAL VEHICLES AND ITS EFFECT ON PAVEMENT PERFORMANCE</p> <p><i>Bybin PAUL and M. V. L. R. ANJANEYULU (India)</i></p> <p>4 PAVEMENT MAINTENANCE THRESHOLD AND PERFORMANCE ANALYSIS</p> <p><i>Jyh-Tyng YAU, Jianxiong YU, Jyh-Dong LIN and Po-Hsun SUNG (Taiwan)</i></p>	<p>1 COMPARISON BETWEEN THE SIMPLIFIED AUSTRROADS SUBLAYERING APPROACH AND THE EXACT NONLINEAR SOLUTIONS FOR THE UNBOUND FLEXIBLE PAVEMENTS</p> <p><i>Mofreh SALEH, Essam RADWAN and Vinayak DIXIT (New Zealand)</i></p> <p>2 EFFECTS OF ASPHALT RATIOS ON PROPERTIES OF CRUMB RUBBER MODIFIED ASPHALTS</p> <p><i>Hak-Seo KIM, Andras GEIGER, Serji N. AMIRKHANIAN, Tae-Soon PARK and Kwang W. KIM (U.S.A.)</i></p> <p>3 EFFECT OF AIR VOIDS ON FATIGUE PERFORMANCE OF ASPHALT MIXTURES</p> <p><i>Anjan kumar SIDDAGANGAIAH, Amarnath, M. SRINIVASA RAO and Veeraragavan AMIRTHALINGAM (India)</i></p>

Monday 21st - July

Technical Sessions III: 15:10 - 16:30

Room 107 (1) Performance (II) Chaired by Taeson PARK	Room 108 (2) Testing and Evaluation (III) Chaired by Shuichi KAMEYAMA	Room 206 (3) Maintenance and Rehabilitation / Management Systems (II) Chaired by Mofreh SALEH	Room 207 (4) Construction Chaired by Tan Hua SOON
<p>1 DEVELOPMENT OF ROUGHNESS PREDICTION MODELS FOR RIGID PAVEMENTS USING LTPP DATABASE</p> <p><i>Hsiang-Wei KER, Ying-Haur LEE and Kai-Yi CHUANG (Taiwan)</i></p> <p>2 SOLUTIONS APPROACH TO CONSTRUCTION AND HIGH PERFORMANCE REQUIREMENTS OF AIRPORT PAVEMENTS</p> <p><i>Vincent GUWE, Burgard KOENDERS, Nigel PRESTON, Hiu Kwong DING, Frits DE JONGE and Byron LIM (France)</i></p> <p>3 DEVELOPMENT OF RUT PREDICTING THEORY FOR ASPHALT MIX DESIGN</p> <p><i>Jungdo HUH, Sungho MUN and Junghoon JIN (Korea)</i></p> <p>4 DEVELOPMENT OF RELATIONSHIP BETWEEN PRESENT SERVICEABILITY INDEX (PSI) AND PAVEMENT DISTRESSES</p> <p><i>A. K. SANDRA and A. K. SARKAR (India)</i></p>	<p>1 APPLICATION OF WHEEL TRACKING TEST DATA FOR PERMANENT DEFORMATION PREDICTION OF MULTILAYERED ASPHALT MIXTURE</p> <p><i>Toshiaki HIRATO, Masato MURAYAMA and Yasushi TAKEUCHI (Japan)</i></p> <p>2 EFFECT OF AGGREGATE GRADATION ON PROPERTIES OF POROUS ASPHALT PAVEMENT</p> <p><i>Direk LAVANSIRI and Wittawat ASSATARAKUL (Thailand)</i></p> <p>3 CRITICAL ISSUES IN THE MEASUREMENT OF THE BULK SPECIFIC GRAVITY OF HMAs: A THEORETICAL AND EXPERIMENTAL STUDY</p> <p><i>Filippo G. PRATICÒ, Rachele AMMENDOLA and Antonino MORO (Italy)</i></p>	<p>1 PERFORMANCE BASED FLEXIBLE PAVEMENT STANDARDS FOR MAINTENANCE AND REHABILITATION</p> <p><i>Balabhaskara Reddy BATHULA and Veeraragavan AMIRTHALINGAM (Philippines)</i></p> <p>2 DEVELOPMENT OF GUIDELINES FOR FLEXIBLE PAVEMENT RECYCLING IN PAKISTAN</p> <p><i>Syed Waqar HAIDER, Gilbert Y. BALADI, Tayyeb AKRAM, Arshad HUSSAIN and Qazi AURANGZEB (U.S.A.)</i></p> <p>3 A UNIFIED OPTIMIZATION PROCEDURE FOR ROAD ASSET MANAGEMENT</p> <p><i>Koji TSUNOKAWA and Dinh VAN HIEP (Japan)</i></p>	<p>1 DEVELOPMENTS IN PROOF ROLLING OF GRANULAR LAYERS IN AIRCRAFT PAVEMENTS IN AUSTRALIA</p> <p><i>Greg WHITE (Australia)</i></p> <p>2 EXPERIMENTAL CONSTRUCTION OF BONDED CONCRETE OVERLAY WITH WATER-JET PREPARATION ON EXISTING JOINTED CONCRETE PAVEMENTS AT AIRPORT APRON AND ITS PERFORMANCE</p> <p><i>Etsuro NODA, Yukitomo TSUBOKAWA, Mitsugu NAKAMARU, Tuyoshi TSUJII, Yukio TAKAGI, Yoshitaka ETIKAWA and Daiki NAKAHARA (Japan)</i></p> <p>3 10 YEAR HISTORY OF GUSS ASPHALT PAVEMENT TECHNOLOGY IN KOREA</p> <p><i>Suck-Hong LEE, Wan-Sang KIM and Jun-Hyung KIM (Korea)</i></p> <p>4 JOINT BEHAVIOR OF CONCRETE PAVEMENT USING JOINT CRACK INDUCER</p> <p><i>Moon-Gil PARK, Young-Kug NAM, In-Soo KIM, Seung-Ho HONG and Jin-Hoon JEONG (Korea)</i></p>

Tuesday 22nd - July

Technical Sessions IV: 9:10 - 10:30

Room 107 (1) Design and Analysis (II) Chaired by Junghoon JIN	Room 108 (2) Materials (III) Chaired by Kazuyuki KUBO	Room 206 (3) Materials (IV) Chaired by K.R.SHIVANANDA	Room 207 (4) Materials (V) Chaired by Greg WHITE
<p>1 ESTIMATION OF STRUCTURAL RELIABILITY OF ASPHALT PAVEMENT FOR MIXED AXLE LOADING CONDITIONS <i>Pabitra RAJBONGSHI and Animesh DAS (India)</i></p> <p>2 APPROXIMATE ANALYSIS OF RIGID PLATE LOADING ON ELASTIC MULTI-LAYERED SYSTEMS <i>James MAINA, Yoshiaki OZAWA and Kunihito MATSUI (South Africa)</i></p> <p>3 STUDY ON THE INFLUENCE OF CONSTRUCTION VARIABILITY ON THE PERFORMANCE OF ASPHALT PAVEMENT <i>Xiao-ning ZHANG and Wei XU (China)</i></p> <p>4 INVESTIGATION OF LOAD BEARING CAPACITY FOR PAVEMENT DESIGN <i>Emmanuel FERNANDO, Jeongho OH and Mark McDANIEL (U.S.A.)</i></p>	<p>1 MECHANICAL RESPONSE OF PAVEMENT CONCRETE WITH MARGINAL CRUSHED AGGREGATES <i>Chetan HAZAREE (U.S.A.)</i></p> <p>2 BENEFICIAL USE OF RECYCLED CONCRETE AGGREGATE FOR ROAD CONSTRUCTION IN SINGAPORE <i>Nyok Yong HO, Kelvin Yang Pin LEE and Jun Yew TAN (Singapore)</i></p> <p>3 LABORATORY INVESTIGATION OF WASTE TONER MODIFIED BITUMINOUS MIXES <i>Anjaneyulu V. L. R. MATHA, K. O. RADHIKA (India)</i></p> <p>4 LABORATORY INVESTIGATION OF POSSIBILITY OF RE-RECYCLING ASPHALT CONCRETES <i>Kai SU, Yoshitaka HACHIYA and Ryota MAEKAWA (Japan)</i></p>	<p>1 PERFORMANCE EVALUATION OF HMA MIXTURES CONTAINING NATURAL SAND <i>K. I. HARIKRISHNAN, Vijay V. KADAYAM and N. Paul KHOSLA (U.S.A.)</i></p> <p>2 MECHANICAL PROPERTIES OF PAVING MATERIAL OF PEDESTRIAN-FRIENDLY PAVEMENT USING COAL ASH <i>Kenji KAWAHARA, Kenichi SATO, Masashi ISHIDA and Takuro FUJIKAWA (Japan)</i></p> <p>3 STEEL FIBRE REINFORCED HIGH VOLUME FLY ASH CONCRETE – A PROMISING PAVEMENT ALTERNATIVE <i>L. UDAYAKUMAR and M. S. AMARNATH (India)</i></p> <p>4 FIELD BEHAVIORS OF SBS MODIFIED ASPHALT MIXTURES <i>Sang-ky HAN, Soon-man CHA, Eui-yoon HWANG and Woo-sung KIM (Korea)</i></p>	<p>1 CONSTITUTIVE MODELING OF SUBGRADE SOILS IN KOREA FOR PAVEMENTS <i>Gichul KWEON and Kookhan KIM (Korea)</i></p> <p>2 EFFECT OF THE MORPHOLOGY OF SBS MODIFIED ASPHALT ON MECHANICAL PROPERTIES OF POROUS ASPHALT CONCRETE <i>Akiyoshi HANYU, Sadaharu UENO and Atsushi KASAHARA (Japan)</i></p> <p>3 EFFECT OF TEMPERATURE ON INDIRECT TENSILE STRENGTH OF NEAT AND CRUMB RUBBER MODIFIED SEMI DENSE BITUMINOUS CONCRETE MIXES <i>G. SURESH and M. S. AMARNATH (India)</i></p>

Tuesday 22nd - July

Technical Sessions V: 10:50 - 12:10

Room 107 (1) Design and Analysis (III) Chaired by Tatsuo NISHIZAWA	Room 108 (2) Materials (VI) Chaired by Shie-Shin WU	Room 206 (3) Materials (VII) Chaired by Filippo G. PRATICO	Room 207 (4) Materials (VIII) Chaired by Vincent GUWE
<p>1 TRAFFIC DISTRIBUTION ON MULTILANE HIGHWAYS IN JAKARTA AND ITS EFFECT ON VEHICLE DISTRIBUTION COEFFICIENT ON THE INDONESIAN FLEXIBLE PAVEMENT DESIGN MANUAL <i>Leksmono Suryo PUTRANTO, Robby ARIBOWO and Dedy Setio INTAN (Indonesia)</i></p> <p>2 ANALYTICAL APPROACH TO FIND THE OPTIMUM AGGREGATE STRUCTURE USING EFFECTIVE FILM THICKNESS CONCEPT <i>Kyungwon PARK, Kangwon Wayne LEE and Jin-Ho CHOI (Korea)</i></p> <p>3 THE PAVEMENT STRUCTURE DESIGN FOR THE SECOND RUNWAY AT THE KANSAI INTERNATIONAL AIRPORT <i>Takashi SHIMADA, Kazumasa HARIMOTO, Hitoshi SEGUCHI, Takashi TSUDA and Tsutomu FUKUTE (Japan)</i></p> <p>4 COST-EFFECTIVE PROCEDURE FOR CHARACTERIZING ROADBED SOIL FOR THE M-E PDG <i>Colin P. SESSIONS, Tyler A. DAWSON, Gilbert Y. BALADI and Syed Waqar HAIDER (U.S.A.)</i></p>	<p>1 PERFORMANCE EVALUATION OF STONE MASTIC ASPHALT FOR HIGHWAY PAVEMENT <i>Boon-Hwee LOW, John ADAMS and Kah-Pin TAN (Singapore)</i></p> <p>2 PERFORMANCE EVALUATION OF A HIGH DURABILITY ASPHALT BINDER AND A HIGH DURABILITY ASPHALT MIXTURE FOR BRIDGE DECK PAVEMENTS <i>Hee Mun PARK, Ji Young CHOI, Hyun Jong LEE and Eui Yoon HWANG (Korea)</i></p> <p>3 PHYSICAL PROPERTIES OF ASPHALT RUBBER MIXTURES <i>Masahito FUJII, Kenji HIMENO, Kenichi KOUGO and Masato MURAYAMA (Japan)</i></p>	<p>1 CHARACTERISTICS OF AR BINDER FOR DIFFERENT KINDS OF RUBBER POWDER <i>Makiko OTAKE, Teruhiko MARUYAMA, Akinori KOBAYASHI and Junichi KINOSHITA (Japan)</i></p> <p>2 SOIL STABILIZATION USING HYDROPHOBIC CEMENT <i>Freidoon MOGHADASNEJAD, Amir MODARRES and Hooman RAHIMI (Iran)</i></p> <p>3 BEHAVIOUR OF POLYPROPYLENE FIBER REINFORCED CONCRETE PAVEMENTS <i>M. P. S. CHAUHAN, S. S. JAIN and S. Vamsi KRISHNA (India)</i></p> <p>4 EFFECT OF STRESS ON PHYSICAL HARDENING OF ASPHALTS <i>Pavel KRIZ, Jiri STASTNA and Ludo ZANZOTTO (Canada)</i></p>	<p>1 STUDIES ON FATIGUE BEHAVIOR OF FLY ASH STABILIZED SOILS <i>S. GANGADHARA and L. MANJESH (India)</i></p> <p>2 COMPARISON OF PERFORMANCE AND JET FUEL OIL RESISTANCE OF JOINT SEALANT FOR AIRSIDE AREA <i>Tae Soon PARK, Jung Hoon JIN and Sung Ho MUN (Korea)</i></p> <p>3 HOT MIX ASPHALT STIFFNESS MODULI: LABORATORY VERSUS FIELD <i>Mofreh SALEH (New Zealand)</i></p>

Tuesday 22nd - July

Technical Sessions VI: 13:30 - 14:50

<p style="text-align: center;">Room 107</p> <p style="text-align: center;">(1) Design and Analysis (IV)</p> <p style="text-align: center;">Chaired by Katsura ENDO</p>	<p style="text-align: center;">Room 108</p> <p style="text-align: center;">(2) Materials (IX)</p> <p style="text-align: center;">Chaired by Kenichi SATO</p>	<p style="text-align: center;">Room 206</p> <p style="text-align: center;">(3) Maintenance and Rehabilitation / Management Systems (III)</p> <p style="text-align: center;">Chaired by Direk LAVANSIRI</p>	<p style="text-align: center;">Room 207</p> <p style="text-align: center;">(4) Testing and Evaluation (IV)</p> <p style="text-align: center;">Chaired by Gilbert Y. BALADI</p>
<p>1 EVALUATION ON THE EFFECTS OF HEAVY VEHICLE DYNAMIC LOADING ON CRCP BY 3D FINITE ELEMENT METHOD</p> <p><i>Bin WANG, Jun YANG and Hai-zhu LU (China)</i></p> <p>2 DEVELOPMENT OF K-PREDICTION MODEL FOR DESIGN OF PORTLAND CEMENT CONCRETE PAVEMENTS IN KOREA</p> <p><i>Yujin LIM and Yoon-Ho CHO (Korea)</i></p> <p>3 A SYSTEMATIC PROCEDURE TO OPTIMIZE AGGREGATE GRADATIONS FOR ASPHALT MIX DESIGN</p> <p><i>K. Wayne LEE, Kyungwon PARK and Francis MANNING (U.S.A.)</i></p> <p>4 STUDY OF PAVEMENT GROOVING FOR REDUCING HYDROPLANING RISK</p> <p><i>Ghim Ping ONG and Tien Fang FWA (U.S.A.)</i></p>	<p>1 THE IMPROVEMENT OF DURABILITY OF ASPHALT CONCRETE USING MODIFIED WASTE PLASTIC-BITUMEN</p> <p><i>Imam ASCHURI, David WOODWARD and Alan WOODSIDE (Indonesia)</i></p> <p>2 AN EXPERIMENTAL INVESTIGATION ON THE PERFORMANCE OF REINFORCED SAND BEDS SUBJECTED TO REPEATED LOADS</p> <p><i>S. GANGADHARA, P. S. NAGARAJA and M. HEMAVATHI (India)</i></p> <p>3 EVALUATION OF ISOTHERMAL PHYSICAL HARDENING IN BINDERS AND ASPHALT MIXES</p> <p><i>Mauricio REYES, Igor KAZATCHKOV, Jiri STASTNA and Ludo ZANZOTTO (Canada)</i></p>	<p>1 EVALUATING THE SOUNDNESS OF POROUS ASPHALT PAVEMENT SURFACES IN A COLD, SNOWY REGION</p> <p><i>Akihiro YOSHII, Jun TAKO and Kimio MARUYAMA (Japan)</i></p> <p>2 PERFORMANCE BASED MAINTENANCE MANAGEMENT FOR RURAL ROADS</p> <p><i>Sukhvir Singh JAIN, Manoranjan PARIDA and Dattatraya Tukaram THUBE (India)</i></p> <p>3 INNOVATIVE BLOCK PAVING DEVELOPMENTS IMPROVE SAFETY & PERFORMANCE OF PAVEMENTS AND AID STORM WATER MANAGEMENT</p> <p><i>Michael LAZAR and John EMERY (Singapore)</i></p> <p>4 DEVELOPMENT OF WEB-BASED QC/QA MATERIALS INSPECTION REPORTING SYSTEM</p> <p><i>Paul M. DALBEY, Michael J. HARRELL, William R. VAVRIK, Steven L. GILLEN (U.S.A.)</i></p>	<p>1 PROGNOSIS AND ASSESSMENT OF THE DEFORMATION BEHAVIOR OF ASPHALT IN THE CYCLIC COMPRESSION TEST</p> <p><i>Carsten KARCHER (Germany)</i></p> <p>2 LABORATORY VERIFICATION OF PERFORMANCE OF PIER DECK PAVEMENT FOR NEW RUNWAY D AT TOKYO HANEDA INTERNATIONAL AIRPORT</p> <p><i>Yoshitaka HACHIYA, Ryota MAEKAWA, Kai SU, Junichi MIZUKAMI, Yukitomo TSUBOKAWA and Takatoshi NOGUCHI (Japan)</i></p> <p>3 QUANTITATIVE MEASUREMENT OF VISIBILITY DUE TO SPLASH AND SPRAY ON ASPHALT PAVEMENT</p> <p><i>Pichaya RUNGRUANGVIROJN and Kunnawee KANITPONG (Thailand)</i></p> <p>4 RESEARCH ON REASONABLE CEMENT-TREATED MACADAM BASE STRENGTH BASED ON DRY-SHRINKAGE PERFORMANCE TEST</p> <p><i>Yan WANG, Zaixin LI, Qiqi SUN, Zhilin SUN and Ling ZHAO (China)</i></p>

Tuesday 22nd - July

Technical Sessions VII: 15:10 - 16:10

Room 107 (1) Performance (III) Chaired by Tateki ISHIDA	Room 108 (2) Materials (X) Chaired by Jungdo HUH	Room 206 (3) Maintenance and Rehabilitation / and Management Systems (IV) Chaired by Akira KAWAMURA	Room 207 (4) Testing and Evaluation (V) Chaired by James MAINA
<p>1 ON PAVEMENT SPECIFICATION <i>Shie-Shin WU (U.S.A.)</i></p> <p>2 PROJECT-LEVEL USE OF ASPHALT PAVEMENT PERFORMANCE CURVE <i>Kimio MARUYAMA, Jun TAKO and Akihiro YOSHII (Japan)</i></p> <p>3 CONSTRUCTION METHODS AND DENSITY PERFORMANCE OF LONGITUDINAL JOINTS IN POROUS ASPHALT PAVEMENTS: AN EXPERIMENTAL STUDY <i>Filippo G. PRATICÒ, Antonino MORO and Rachele AMMENDOLA (Italy)</i></p>	<p>1 APPLICATION OF MUNICIPAL SOLID WASTE COMBUSTION BOTTOM ASH TO ASPHALT PAVEMENTS <i>Jian-Shiuh CHEN, Po-Yen CHU, Juu-En CHANG and Chin-Yuan HOUR (Taiwan)</i></p> <p>2 NEW COLOURABLE BINDER WITH DURABILITY AND ENVIRONMENTAL SUITABILITY <i>Akira SEO, Michio MORIKUBO and Hideki AOKI (Japan)</i></p> <p>3 AGING OF CRUMB RUBBER MODIFIED BINDERS EVALUATED USING FOURIER TRANSFORM INFRARED SPECTRA <i>Junan SHEN and Boming TANG (U.S.A.)</i></p>	<p>1 QUANTIFICATION OF RIDE COMFORT AND ITS PREDICTION MODEL FOR PMS <i>Koji TSUNOKAWA and Takeshi KIRYU (Japan)</i></p> <p>2 APPLICATION OF HDM-4 IN ROAD ASSET MANAGEMENT <i>Bavanam VEENADHARI, K. B. Rathnakara REDDY and M. S. AMARNATH (India)</i></p> <p>3 DEDUCT POINTS FOR FLEXIBLE PAVEMENTS <i>Gilbert Y. BALADI, Mohammad Jamal KHATTAK and Colin P. SESSIONS (U.S.A.)</i></p>	<p>1 EVALUATION OF CONCRETE MIX FOR SLAB REPLACEMENT USING MATURITY METHOD AND HEAVY VEHICLE SIMULATOR <i>Kitti MANOKHOON, Mang TIA, Bouzid CHOUBANE and Michael BERGIN (Thailand)</i></p> <p>2 CHARACTERIZATION OF LTPP PAVEMENTS USING FALLING WEIGHT DEFLECTOMETER <i>Gary W. CHAI and Greg KELLY (Australia)</i></p> <p>3 THE DEVELOPMENT OF A SYSTEM TO MEASURE THE STRAIN ON THE SURFACE OF THE PAVEMENT CAUSED BY THE MOVEMENT OF TIRES <i>Hironobu MAEHARA, Nagato ABE and Masashi KIMURA (Japan)</i></p>