1. Transportation & Traffic Engineering(inc. Network Planning, Public Transportation)

Topic	Code	Paper	Author	Nation
Transportation & Traffic Engineering (inc. Network Planning & Public Transportation)	TTE	(1-01)Review of Side Friction Factors in Highway Curve Design of Higher Speed Freeways	Jaisung CHOI	Korea
	TTE	(1-02) Constructing the density predictive models within the Ramp junction areas on urban freeway-Based on the 1st urban freeway in Busan City-	Mi-Hyeon KWON	Korea
	TTE	(1-03)Factors influencing freight truck route selection, Freight Characteristics Influencing the Ratio of Freight Truck Expressway Use	Hirotaka SEKIYA	Japan
	TTE	(1-04) Development of the decay curve of pavement marking retroreflectivity based on field survey	Hyun-Suk Lee	Korea
	TTE	(1-05)A 3-D Model for optimal alignment search system of highway design by extended digital mapping data	Seiichi KUSANO1	Japan
	TTE	(1-06)Analysis on the Effect of the Opening of Central Circular Shinjuku Route (Yamate tunnel)	Atsushi Takehana	Japan
	TTE	(1-07)The traffic accident reduction measures by climbing lane in Meishin Expressway	Koichi MATSUMOTO	Japan
	TTE	(1-08)Advanced Road Data for Transportation and Traffic Engineering	Brendan Marsh	Australia
	TTE	(1-09)The Application of Routing Planning on the Fieldwork Investigation	Sz-Chi Chen	Taiwan
	TTE	(1-10) The effects of stepped-up measures for slowing down the speed in the ETC lane	Akira MITSUISHI	Japan
	TTE	(1-11) Study on travel time reliability for intercity expressway under various events	Takeshi Mastsushita	Japan
	TTE	(1-12)Assessing travellers' perceptions for achieving sustainable transportation: A case study in Klang Valley	Jen Sim HO	Malaysia
	TTE	(1-13) Preference of travellers for sustainable transportation planning objectives in Klang Valley, Malaysia	Lee Vien LEONG	Malaysia
	TTE	(1-14) Literature reviews comparison essay on travel focusing on travel need, travel behaviour and travel pattern	Syahriah BACHOK	Australia
	TTE	(1-15) Application of PCE values in capacity and LOS analysis	Johnnie Ben-Edigbe	Malaysia
	TTE	(1-16) The effectiveness of congestion countermeasures by using LED information boards at Chuo expressway in Japan	Masahiko MITSUHASHI	Japan
	TTE	(1-17)Evaluation of a Fog Detect & Warning System Using a Vehicle Simulator	SOO-YEON KIM	Korea
	TTE	(1-18)Classification of Highway Curve Patterns and Its Use for More Accurate Crash Predictions	Jaisung Choi	Korea
	TTE	(1-19)A Study of Support System for Traffic Operating Condition Audit on Expressways	Seungjun Lee	Korea
	TTE	(1-20)Monitoring and Analysis of Weekday Bus-lane policy on Gyeongbu Expressway	Seungjun Lee	Korea
	TTE	(1-21)Evaluation of the Effect of the LCS (Lane Control System) on Expressways	Seungjun Lee	Korea

	TTE	(1-22)Study on the Design Method Development and Impact Analysis of Crash Cushion Using Single Degree of Freedom	Seungjun Lee	Korea
	TTE	(1-23) Developing Pakistan national trade corridor	MUHAMMAD JEHANZEB MUMTAZ KHAN NIAZI	Pakistan

2. Environment and Sustainability

Topic	Code	Paper	Author	Nation
Environment and Sustainability	ES	(2-01) A study of evaluations and recovery efforts in Ecology	Keisuke KAWAHARADA	Japan
	ES	(2-02)Approach of natural environment preservation in Japanese Expressways	Takuya Uchiyama	Japan
	ES	(2-03) Framework to address the climate change impacts on road infrastructure assets and operations	Caroline EVANS	Australia
	ES	(2-04)Green House Gas reduction strategies in OECD countries	SONE Shinri	Japan
	ES	(2-05) Promotion of green recycling	D. Yamada	Japan
	ES	(2-06)Research on quality of road runoff in Tokyo metropolitan area	SONE Shinri	Japan
	ES	(2-07)Infrastructure Development vis a vis Cultural Site Preservation, Indigenous People Protection, Biodiversity and the Environment of Halsema Highway Towards Safer and Greener Roads	Engr. Joy M. UNTALAN	Philippines
	ES	(2-08) New measure against noise from bridge joint	Makiko UTSUKI	Japan
	ES	(2-09)Topographical & Digital Imagery Survey for Highway Alignment Project using LiDAR Technology	Dennis Ganendra	Malaysia
	ES	(2-10)Test method for determining the acoustic performance of noise reducing devices installed on the top of highway noise barriers	Chulhwan KIM	Korea
	ES	(2-11) Application case of test construction of restroration on the disused expressway	Giseong Jeon	Korea
	ES	(2-12)The Estimation of Pollution Loading of Non-Point Source in Expressway	Hee-man Kang	Korea

3. Road Policy and Economics

Topic	Code	Paper	Author	Nation
Road Policy and Economics	RPE	(3-01) VicRoads technical capacity building program and capability reporting tool	John Guest	Australia
	RPE	(3-02) Telecommuting and travel: A literature review comparison	Diana MOHAMAD	Australia
	RPE	(3-03)An Analysis of Economic Effects of Expressways in Korea	In-chul Bae	Korea
	RPE	(3-04) The change rate of fuel consumption for different IRI of paved roads	Kwangho Ko	Korea

	RPE	(3-05) The highway road painting Polycy for reduction of Co2 with fuel-cut function in downhill part of highway	Kwangho Ko	Korea
	RPE	(3-06) A study of optimum road route decision using multi evaluation factors	Hyun-Ho Choi	Korea
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4. Bridge and Structural Engineering

Topic	Code	Paper	Author	Nation
Bridge and Structural Engineering	BSE	(4-01) Wind tunnel test and vibration test for rationalization steel box-girder bridge	Yoichi YUKI	Japan
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	BSE	(4-11) Design and construction of the Akabuchigawa bridge-Prestressed concrete box bridge with corrugated steel webs and Ppre-cast Ribs-	Naoki HAGIWARA	Japan
	BSE	(4-12) Preventive maintenance of suspender ropes on the Honshu-shikoku suspension bridges	Yoshimi HASEGAWA	Japan
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	BSE	(4-14) Mechanical and durability performance of high-strength concrete for prestressed concrete bridge application	Haimoon Cheong	Korea

	BSE	(4-15) Probability based service life prediction of repaired concrete attacked by Chloride	Haimoon CHEONG	Korea
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	BSE	(4-21)Stress Behavior and Characteristics of Knee Brace in Steel Box-girder Bridges	Gab-chul Jang	Korea
	BSE	(4-22)The Scientific Inspection Method for a PSC Box Bridge Using a Remote-Control Tarantula Robot	Byeong-ju Lee	Korea
	BSE	(4-23)Bridge inspection technique using rope access	Yuji SAKAI	Japan
	BSE	(4-24)Design and construction of the Katsurashima viaduct-Prestressed concrete corrugated steel web box girder bridge with Ribs and Struts-	Naoki HAGIWARA	Japan

5. Road Construction & Maintenance

Topic	Code	Paper	Author	Nation
Road Construction & Maintenance	RCM	(5-01) Predictions of maximum dry density and optimum moisture content from simple material properties	John B METCALF	Australia
	RCM	(5-02)Development of Road system in Viet Nam through Policies of Investment Attraction and Internal Force Strengthening	Thinh Duc Ngo	Vietnam
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RCM	(5-34) Efficient field inspection and evaluation for concrete bridge deck with asphalt overlay	Jin-Won SUH	Korea
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