



Conference Report
The 14th EASTS International Conference



QUALITY TRANSPORT TOWARDS PEACE AND SUSTAINABILITY IN ASIA

BEYOND THE NEW NORMAL

Conference Committee
The 14th EASTS International Conference in Hiroshima
September 12-14, 2021

Asian Development Bank Institute (ADBI)



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Institute of Systems Science Research



Conference Report of

EASTS

The 14th International Conference 2021

September 12-14, 2021
Hiroshima, Japan
<https://easts.hiroshima-u.ac.jp>

Organizer	Eastern Asia Society for Transportation Studies (EASTS)
Conference Partner	Asian Development Bank Institute
Conference Co-sponsors	
GOLD (8)	Resilience Research Center - Hiroshima University Pacific Consultants Co., Ltd. Nippon Engineering Consultants Co., Ltd. Eight-Japan Engineering Consultants Inc. CTI Engineering Co., Ltd. Fukken Co., Ltd. Nippon Koei Co., Ltd. Oriental Consultants Co., Ltd.
SILVER (10)	Chuden Engineering Consultants Yonden Consultants Co., Inc. Chodai Co., Ltd. Chuo Fukken Consultants Co., Ltd. Fukuyama Consultants Co., Ltd. Wesco Co., Ltd. Newjec Inc. Daiichi Fukken Yachiyo Engineering
BRONZE (9)	Institute of Systems Science Research Japan Institute of Country-ology and Engineering (JICE) Civitec Co., Ltd. Fukken Gijyutsu Consultants Co., Ltd. The Institute of Behavioral Sciences Kokusai Kogyo Co., Ltd. Tokyu Corporation Mitsubishi Research Institute Central Nippon Expressway Company Docon Co., Ltd
Support Organizations	Chugoku Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism Japan International Cooperation Agency (JICA) Hiroshima Prefecture Japan Society of Civil Engineering (JSCE)

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EASTS 2021 Conference Committee:

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Opening Ceremony (231 participants)

■ Opening Address from EASTS President



On behalf of EASTS, President Oh introduced the background of the society and the purpose of biennial EASTS international conference after introducing the honorable guests.

Jaehok OH

President, Eastern Asia Society for Transportation Studies (EASTS)
President, Korea Transport Institute (KOTI)

■ Opening Address from LOC Chair



On behalf of the local conference committee, Dr. Tamura (the president of EASTS-Japan) explained the preparedness of EASTS 2021 conference against the COVID-19 pandemic and the significant mean of the conference.

Tohru TAMURA

Chair, Local Organizing Committee (LOC), EASTS 2021
President, EASTS-Japan
Professor, Hokkai School of Commerce

■ Congratulatory Message from Minister of Land, Infrastructure, Transport and Tourism



The minister gave a congratulatory address for EASTS international conference 2021 with the introduction of key transpiration policies from the local and global aspects in Japan.

Mr. Yoshikazu AKABA

■ Congratulatory Message from President of Japan International Cooperation Agency



The president kindly introduced the theoretical and practical contributions of Hiroshima to transport planning history in Japan and overviewed the reconstruction history after the atomic explosion after introducing the current activities of JICA.

Dr. Shinishi KITAOKA

■ Congratulatory Message from Governor of Hiroshima Prefecture



The governor gave a congratulatory speech to the EASTS conference with the introduction of present projects in the field of transport and the challenges such as natural disaster prevention, sustainable infrastructure during the COVID-19, and so on.

Mr. Hidehiko YUZAKI

■ Welcome Message from Host Institute



On behalf of the host institute, the HU president office a welcome message to all the participants and gave a brief introduction of the new university's actions based on the declaration of "Carbon neutral and smart campus 5.0" in January 2021.

Dr. Mitsuo OCHI
President, Hiroshima University

Conference Program

■Conference Schedule

	Sep 12 (SUN)	Sep 13 (MON)	Sep 14 (TUE)	
9:00				9:00
:30				:30
10:00	9:30-10:30 JST Opening Ceremony	9:00-10:30 JST Technical Sessions	9:00-10:30 JST Special Session	10:00
:30				:30
11:00	10:30-12:30 JST Keynote Speeches	10:40-12:10 JST Technical Sessions	10:40-12:10 JST Technical Sessions	11:00
:30				:30
12:00				12:00
:30				:30
13:00				13:00
:30				:30
14:00	13:20-14:50 JST Technical Sessions	13:10-14:40 JST Technical Sessions	13:00-14:30 JST Technical Sessions	14:00
:30				:30
15:00	15:00-16:30 JST EASTS-ADBI-WCTRS Joint Session	15:00-16:30 JST Technical Sessions	14:45-16:15 JST EASTS-ADBI Joint Session	15:00
:30				:30
16:00				16:00
:30				:30
17:00	16:50-18:20 JST Technical Sessions	16:50-18:20 JST Technical Sessions	16:30-18:00 JST Closing Ceremony	17:00
:30				:30
18:00				18:00
:30				:30
19:00				19:00
	Sep 12 (SUN)	Sep 13 (MON)	Sep 14 (TUE)	

JST: Japan Standard Time

■Important Dates

September 20, 2020	Call for papers
January 15, 2021	Deadline of submission of full papers
February 15, 2021	Deadline of submission of full papers (1st extension)
March 15, 2021	Deadline of submission of full papers (2nd extension)
May 14, 2021	Notification of review results of full papers
July 9, 2021	Deadline of submission of revised papers
July 9, 2021	Deadline for early bird registration for presentations at the conference
September 12-15, 2021	The 14th International Conference of EASTS in Hiroshima, Japan
September 24, 2021	Notification of review results for ATS
November 5, 2021	Notification of acceptance of revised papers for Journal of the EASTS
November 27, 2021	Publication of Proceedings of the EASTS
December 27, 2021	Publication of Journal of the EASTS
December 31, 2021	Publication of ATS Vol.7 (both conference and general papers)
December 31, 2022	Publication of ATS Vol.8 (both conference and general papers)

■ Virtual Rooms

Day and Time	Session	Virtual main room	Virtual room - A	Virtual room - B	Virtual room - C	Virtual room - D	Virtual room - E	Virtual room - F	Virtual room - G	Virtual room - H	Virtual room - I	Virtual room - J	Virtual room - K	Virtual room - L	Virtual room - M
Day 0: September 11															
13:00-16:00															RAM & BM1 13:00-16:00 JST
Day 1: September 12															
09:30-10:30	Opening Session														
10:30-12:30	Plenary Session (1)	Keynote Speeches													
12:30-13:20	Lunch														
13:20-14:50 JST	Technical Session - 1		1 IRG-A IRG-32- 2017	2 IRG-B IRG-34- 2018	3 10.10 A	4 120.10 L	5 20.40 B	6 30.10 C	7 60.30 F	8 50.10 E	9 70.10 G	10 80.10 H	11 90.10 I	12 100.10 J	13 Reserved
14:50-15:00 JST	Break														
15:00-16:30 JST	Plenary Session (2)	EASTS-ADBI- WCTRS													
16:30-16:50 JST	Break														
16:50-18:20 JST	Technical Session - 2		14 IRG-E IRG-35- 2018 IRG-36- 2018	15 10.10 A	16 10.10 A	17 100.40 J	18 20.30 B	19 30.10 C	20 60.20 F	21 50.10 E	22 70.30 G	23 80.30 H	24 90.20 I	25 100.10 J	26 Reserved
Day 2: September 13															
09:00-10:30 JST	Technical Session - 3		27 IRG-F IRG-41- 2020	28 IRG-G IRG-40- 2019	29 10.30 A	30 10.50 A	31 20.70 B	32 30.10 C	33 40.20 D	34 50.30 E	35 70.30 G	36 70.50 G	37 90.80 I	38 100.20 J	39 Reserved
10:30-10:40 JST	Break														
10:40-12:10 JST	Technical Session - 4		40 IRG-H IRG-41- 2020 IRG-38- 2019	41 Reserved	42 10.40 A	43 10.30 A	44 20.80 B	45 30.10 C	46 40.30 D	47 50.20 E	48 70.30 G	49 70.60 G	50 100.40 J	51 100.20 J	52 Reserved
12:10-13:10 JST	Lunch														
13:10-14:40 JST	Technical Session - 5		53 IRG J	54 130.10	55 10.40	56 20.50	57 30.20	58 30.10	59 40.10	60 50.20	61 70.30	62 90.30	63 100.10	64 110.20	65

				IRG-30-2017	P	A	B	C	C	D	E	G	I	J	K	Board Meeting 2 13:00-16:00 JST
14:40-15:00 JST	Break															
15:00-16:30 JST	Technical Session - 6			66 IRG-C	67 SP-issue IRG-23-2013 IRG-25-2013 IRG-29-2016	68 10.10	69 120.20	70 20.30	71 30.10	72 60.10	73 50.10	74 70.20	75 80.20	76 90.20	77 100.10	
16:30-16:50 JST	Break															
16:50-18:20 JST	Technical Session - 7			79 IRG-K IRG-42-2020	80 30.10 C	81 10.40 A	82 20.50 B	83 30.30 C	84 30.10 C	85 40.10 D	86 50.40 E	87 70.40 G	88 90.50 I	89 100.10 J	90 110.40 K	91 Reserved
Day 3: September 14																
09:00-10:30 JST	Plenary Session (3)	Panel Discussion														
10:30-10:40 JST	Break															
10:40-12:10 JST	Technical Session - 8			92 IRG-M IRG-31-2017 IRG-33-2017	93 10.50 A	94 10.40 A	95 20.70 B	96 30.20 C	97 30.10 C	98 40.10 D	99 50.40 E	100 70.50 G	101 90.60 I	102 100.20 J	103 110.50 K	104 Reserved
12:10-13:00 JST	Lunch															
13:00-14:30 JST	Technical Session - 9			105 SP-issue IRG-17-2011 IRG-18-2012 IRG-21-2013	106 10.50 A	107 10.40 A	108 20.70 B	109 30.20 C	110 30.10 C	111 40.10 D	112 80.20 H	113 70.50 G	114 90.50 I	115 100.20 J	116 Reserved	117 Reserved
14:30-14:45 JST	Break															
14:45-16:15 JST	Plenary Session (4)	EASTS-ADBI														
16:15-16:30 JST	Break															
16:30-18:00 JST	Closing Ceremony															

■Plenary Session Program

Opening Session		
Sep. 12 (Sun)	Opening remarks Jaehak Oh, President, Eastern Asia Society for Transportation Studies (EASTS) Tohru Tamura, Chair of Local Organizing Committee (LOC), EASTS2021, Hokkai School of Commerce, Japan Welcome speeches by guests Kazuyoshi Akaba, Minister, Ministry of Land, Infrastructure, Transport and Tourism (MLIT), Japan Shinichi Kitaoka, President, Japan International Cooperation Agency (JICA) Hidehiko Yuzaki, Governor of Hiroshima Prefecture, Japan Mitsuo Ochi, President, Hiroshima University, Japan	
Plenary session (1) Keynote speeches		
Sep. 12 (Sun)	Moderator: Junyi Zhang, Professor, Hiroshima University Keynote speakers: Jaehak Oh, President, Eastern Asia Society for Transportation Studies (EASTS) Akimasa Fujiwara, Chair of Conference Committee (CC), EASTS2021 Tae Hoon Oum, President, World Conference on Transport Research Society (WCTRS) Jamie Leather, Chief of Transport Sector Group, Asian Development Bank (ADB)	
Plenary session (2): EASTS-ADB-L-WCTRS Topic: COVID-19 and Urban Transport Policy in Asian Developing Countries organized by Asian Development Bank Institute (ADBI)		
Sep. 12 (Sun)	Moderator: Junyi Zhang, Co-chair, WCTRS COVID-19 Task Force Keynote speech: Shaping a resilient urban transport for achieving safe and sustainable mobility K. E. Seetha Ram, Senior Consulting Specialist, Asian Development Bank Institute (ADBI) Panelists: Velmurugan Senathipathi, Chief Scientist, Council of Scientific and Industrial Research, Central Road Research Institute, India Hussein Sinsuat Lidasan, Professor, School of Urban and Regional Planning, The University of the Philippines Jeesun Lee, Director of Logistics Market and Industrial Innovation, Korea Transport Institute (KOTI) Hironori Kato, Professor, Graduate School of Engineering, The University of Tokyo; The editor-in-chief, Asian Transport Studies (ATS) Yoshitsugu Hayashi, Chair, WCTRS COVID-19 Task Force, Distinguished Professor, Chubu University K. E. Seetha Ram, Senior Consulting Specialist, Asian Development Bank Institute (ADBI)	
Plenary session (3): Panel Discussion Topic: Transforming Transportation in the Era of Climate Change Crisis and the 4th Industrial Revolution		

Sep. 14 (Tue)	09:00- 10:30 JST	Moderator: Jaehak Oh, President, Eastern Asia Society for Transportation Studies (EASTS) President, Korea Transport Institute (KOTI) Panelists: Yoshitsugu Hayashi, Former President, World Conference on Transport Research Society (WCTRS) Distinguished Professor, Chubu University Tetsuo Yai, Former President, Eastern Asia Society for Transportation Studies (EASTS) Professor, Tokyo Institute of Technology Jason Chang, Vice-president, Eastern Asia Society for Transportation Studies (EASTS) Professor, National Taiwan University Jamie Leather, Chief of Transport Sector Group, Asian Development Bank (ADB) Binyam Reja, Global Practice Manager and Acting Global Director for Transport, World Bank (WB)
Plenary session (4): EASTS-ADBI Topic: High-Speed Rail (HSR) Development organized by Asian Development Bank Institute (ADBI)		
Sep. 14 (Tue)	14:45- 16:15 JST	Co-Chairs: Yoshitsugu Hayashi; Junyi Zhang; K. E. Seetha Ram Moderator: Ms. Tomoyo Nonaka, Full Member of The Club of Rome & Chairperson of The Board of Directors, NPO Gaia Initiative Panelists: Yoshitsugu Hayashi, Distinguished Professor, Chubu University, Japan Werner Rothengatter, Professor, Karlsruhe Institute of Technology, Germany K. E. Seetha Ram, Senior Consulting Specialist, ADBI, Japan Junyi Zhang, Professor, Hiroshima University, Japan James Leather, Chief of Transport Sector, ADB, Manila, Philippines Geetham Tiwari, Professor, Indian Institute of Technology Delhi, India Pelin Alpokin, General Manager of Istanbul City Transport Policy Division, Turkey (TBC) Francesca Pagliara, Professor, University of Naples, Italy
Closing Ceremony		
Sep. 14 (Tue)	16:30- 18:00 JST	Report from the International Scientific Committee (ISC), EASTS2021 Awarding: Best Domestic Society Award Awarding: Best Paper Awards Announcement of the next EASTS conference Farewell remarks by the EASTS president

■ Technical Session Program

Online Meeting room A									
(IRG-32-2017) Logistics network and variety in Asian context: Globalization and localization									
Session Chair: Ryukhi SHIBASAKI									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author			
1	Sep. 12 (Sun)	13:20-14:50 JST	PP2968	Clarifying the Relationship between Seaborne Trade Flows of Landlocked Developing Countries and the Attributes of their Cross-border Transport Corridors	Takashi HIRAIIDE	Takashi HIRAIIDE			
			PP3209	A Study on the Impact of COVID-19 on Port Activities in ASEAN Countries	Tajiji KAWAKAMI	Tajiji KAWAKAMI			
			PP3120	How the Use and Acceptance of E-commerce was Affected by the COVID-19 Outbreak - A Japanese Case	Hisayuki WAKASHIMA	Hisayuki WAKASHIMA			
			PP3144	Route Choice of Freight Drivers' Perception in Java Island	Herawati BASIRPULT	Herawati BASIRPULY			
			PP3070	A Model for Warehouse Matching Platform System	Ali Gul QURESHI	Ali Gul QURESHI			
Technical Session - 2			(IRG-35-2018) Shared Space Design and Modeling: Case Studies in Asian Cities						
			(IRG-36-2018) Impact of e-Ridshaws on Traffic Stream Speed and Safety of Urban Roads						
			Session Chair: Hooi Ling KHOO						
			Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author
			14	Sep. 12 (Sun)	16:50-18:20 JST	PP3157	Exploring Non-linear Effects of the Built Environment on Subscribing Behaviors of Customized Bus (CB) Users	Jiangbo WANG	Kai LIU
PP3146	Exploring Cyclist's Perception: Perspectives of Bikeway Deployment and Cycling Environment Acceptance	Yu-Ting HSU				Yu-Ting HSU			
PP3147	Offline-Online Approximate Dynamic Programming for Stochastic Carsharing Systems with Relocation Incentives	Yang LIU				Yang LIU			
PP3137	A Review of Shared Space Design and Implementation: Issues and Challenges	Hooi Ling KHOO				Hooi Ling KHOO			
Technical Session - 3			PP3140	Geo-fenced Parking Spaces Identification for Free-floating Bicycle Sharing System	De ZHAO	De ZHAO			
			(IRG-41-2020) International Research Group on good practices design guidelines for Traffic calming devices adopted in Eastern Asian countries						
			Session Chair: GN SAMARASEKARA						
			Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author
			27	Sep. 13 (Mon)	09:00-10:30 JST	PP3062	Incorporating Crowdsourced Travel Time Data in Congestion Monitoring	Sajith UDAYANGA	Sajith Udayanga PATHIRAJA ARACHCHILLAGE
PP3019	The Impacts of COVID-19 on Travel Behavior of Students in Thammasat University	Pawinee IAMTRAKUL				Pawinee IAMTRAKUL			
PP3131	Assessment of Bus Service Quality Based On Women's Perception In An Emerging Mega City Dhaka	Aysha UMME				Farzana RAHMAN			
PP3110	Proposing New Speed Hump Signs and Evaluating Their Effectiveness in Asian Countries	Vo Thanh TOAN				Aya KOJIMA			
PP2845	Determining Vehicle Speed at the Entrance of a Traffic Calmed Street Using Linear Mixed Effect Models	Mursheda RAHMAN	Mursheda RAHMAN						

Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author's Institution	Authors
							Takashi HIRAIDE; Tomoya KAWASAKI;
							Shinya HANAOKA
							Tajiji KAWAKAMI; Tasuyuki SHISHIDO;
							Tetsuro IKEDA
							Hisayuki WAKASHIMA; Tomoya KAWASAKI;
							Ryutchi SHIBASAKI
							Herawati BASIRPULY; Feby ZUHRUF; Irawati
							ADRIANI
							Ali Gul QURESHI; Tadashi YAMADA; Sota
							NISHIDA

Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author's Institution	Authors
							Jiangbo WANG; Kai LIU; Toshiyuki
							YAMAMOTO; De WANG; Guoxu LU; Ravi
							Sekhar CHALUMURI
							Ping-Chun CHANG; Yu-Ting HSU
							Yang LIU; Jaehong XIE; Nan CHEN
							Hooi Ling KHOO
							De ZHAO; Ghim Ping ONG

Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author's Institution	Authors
							Sajith Udayanga Pathiraja ARACHCHILLAGE;
							Teppet KATO; Aya KOJIMA; Hisashi KUBOTA
							Pawinee IAMTRAK UL; Saranad CHAYPHONG;
							Phedhai KESORN
							Farzana RAHMAN; Umme AYESHA
							Toan Thanh VO; Aya KOJIMA; Hisashi
							KUBOTA
							Mursheda RAHMAN; Aya KOJIMA; Hisashi
							KUBOTA
							KUBOTA

(IRG-41-2020) International Research Group on good practices design guidelines for Traffic calming devices adopted in Eastern Asian countries (IRG-38-2019) Vulnerability Assessment of Transport Systems due to Flooding in Selected Asian Cities						
Session Chair: Alexis PILLONE						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author
40	Sep. 13 (Mon)	10:40-12:10 JST	PP3134	Service Quality Assessment of Paratransit Mode Based on Users Perception in Dhaka City: A Structural Equation Approach	Md. Mohaimnul ISLAM	Farzana RAHMAN
			PP3139	Classification analysis of Left turn driver's yielding decision towards pedestrian and cyclist on crosswalk at signalized intersection	Iasmin HASINA	Iasmin HASINA
			PP3141	Economic Cost of Traffic Congestion in Bengaluru, India	Vijayalakshmi S	Vijayalakshmi S
			PP3029	Evaluation of Adaptation Measures to Urban Flooding in Transport Sector: The Case Study of Ubon Ratchathani City, Thailand	Noriyasu TSUMITA	Noriyasu TSUMITA
(IRG-30-2017) Entry point of mobility management measures in Asia						
Session Chair: Hong-Tung NGUYEN						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author
53	Sep. 13 (Mon)	13:10-14:40 JST	PP3143	Best Engineering Demonstration of Airport Runway Paving - A Discussion on the Practice of North-South Runway at Airport	Tai-Shen YIN	MaineDOT: Maine Department of Transportation
			PP3025	Impact of COVID-19 on Perception of Commuters Towards Work and Non-Work Trips in India	Ananya GURRAM	Shalin RANKAVAT
			PP3136	Traffic Data Calibration Collected by RSE Detectors based on Deep Learning	Donghyun KWON	Inhi KIM
(IRG-42-2020) Guidelines for implementing bus priority measures in Asian Cities: A simulation based approach						
Session Chair: Amal S. KUMARAGE						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author
66	Sep. 13 (Mon)	15:00-16:30 JST	PP3000	Post-Processing of GPS Data for Bus Link Speed Determination based on GIS	W.W.P.M. FERNANDO	Madushan FERNANDO
			PP2973	Calibration of SUMO Microscopic Simulator for Sri Lankan Traffic Conditions	Thenawan JAYASINGHE	Thenawan Thiranjaya JAYASINGHE
			PP2733	User opinion on Bus Priority Lane: Case study from Sri Lanka	Keerthika JULIUS	Keerthika JULIUS
					Authors	
					Madushan FERNANDO; Dineeth DHANANJAY A.; Anuradha MUNASINGHE; Amal KUMARAGE; Thillai SIVAKUMAR; Shehan PERERA	
					Thenuwan Thiranjaya JAYASINGHE; Thillaiampalam SIVAKUMAR; Amal S. KUMARAGE	
					Keerthika JULIUS; Sivakumar THILLAIAMPALAM	

(IRG-42-2020) Guidelines for implementing bus priority measures in Asian Cities: A simulation based approach													
Session Chair: Anals S. KUMARAGE													
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors					
79	Sep. 13 (Mon)	16:50-18:20 JST	PP3142	Strategic Road Transport and Natural Disasters in Nepal	Sharad K. SHRESTHA	Sharad K. SHRESTHA	Ministry of physical Infrastructure and transport, Nepal	Sharad K. SHRESTHA; Sharad SHRESTHA					
			PP3099	Assessing the Performance of Bus Priority Lane on Galle Road, Sri Lanka	W.W.P.M. FERNANDO	Madushan FERNANDO	University of Moratuwa	Madushan FERNANDO; Anuradha MUNASINGHE; Dineth DHANANJAYA; Amal KUMARAGE; Thilini SIVAKUMAR					
			PP3148	Guidelines for Implementing Bus Transport Based Priority Measures in Developing Countries	Thenawan Thiranjaya JAYASINGHE	Thenawan Thiranjaya JAYASINGHE	University of Moratuwa	Thenawan Thiranjaya JAYASINGHE; Amal S. KUMARAGE; Thillaiampalan SIVAKUMAR					
			PP3066	Development of a Shuttle Service Plan for Zamboanga City, Philippines	Jose Regin F. REGIDOR	Jose Regin F. REGIDOR	University of the Philippines Diliman	Daniel MABAZZA; Jose Regin F. REGIDOR					
Technical Session - 8				(IRG-31-2017) Better mobility in new towns: Preparing for self-contained neighborhood in Asia (IRG-33-2017) Fuel Economy and Clean Fuels and Vehicle	Session Chair: Canh DO & Karl VERGEL (co-chair)								
					Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
92	Sep. 14 (Tue)	10:40-12:10 JST	PP2950	Estimation of Transportation Energy Demand of the Philippines	Karl B. N. VERGEL	Karl B. Narciso VERGEL	University of the Philippines Diliman	Karl B. Narciso VERGEL; Kelvin Ryan MARCELO; Arse John SALISON; Felix Nathaniel ELAMPARO; Valerie Anne SAAVEDRA; Jose Regin REGIDOR; Rey Adrian Vince Dee YAO; Jan Arvin CLOMERA; Linus James CONCEPCION; Stephano CANAVERAL; Geoffrey CUETO					
		10:40-12:10 JST	PP3145	Initial Investigation on Potential E-Triecyle Transport System in Gumaca, Quezon through commuters' perspective.	Rey Adrian Vince YAO	Rey Adrian Vince Dee YAO	Mapua University	Malikarjun PATIL; Bandhan Bandhu MAJUMDAR					
			PP2999	Life Cycle Cost Analysis of Electric Two-wheelers in India Context	Malikarjun PATIL V	Bandhan Bandhu MAJUMDAR	Birla Institute of Technology and Science	Thi Anh Hong Thi Anh NGUYEN; Xuan Canh DO; Makoto CHIKARAISHI; Akimasa FUJIWARA					
			PP3138	New Neighborhoods and Self-Containment Level: A Cross-national Comparison	Hong T.A. NGUYEN	Hong T.A. NGUYEN	Hiroshima University						
Technical Session - 9				(IRG-17-2011) Logistics in Asia: Interdependent Supply Chain and Advancement of Intelligent Management (IRG-18 -2012) Strategies for a Sustainable Transportation Path for Small- and Medium-sized Cites in East Asia	Session Chair: Kuancheng HUANG								
					Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
105	Sep. 14 (Tue)	13:00-14:30 JST	PP2784	Social Movement Revealing Opportunities for Grassroots Transport Initiatives: Reflections and an Exploratory Case Study in Hong Kong	Ho-Yin CHAN	Ho Yin CHAN	University of Hong Kong	Ho Yin CHAN; Jiangping ZHOU					
		13:00-14:30 JST	PP2742	Quantitative Analysis on Speed Reduction in Mainstream Traffic due to Jaywalking Pedestrians on Urban Roads	Vasantha WICKRAMASINGHE	Vasantha WICKRAMASINGHE	University of Peradeniya	Vasantha WICKRAMASINGHE.; Shemura JAYATILLEKE; Harsha MADUSHANI					
			PP2785	The Implementation Plan Of Multi Lane Free Flow (MLFF) System in Indonesia Toll Road (Case Study of Dr.Ir.Sedyarno Toll Road)	Muhamad Meiza JOLANDA	Muhamad Meiza JOLANDA	Bandung Institute of Technology	Muhamad Meiza JOLANDA; Rudy Hermawan KARSAMAN; Febri ZUKHRUF					
			PP2771	Reorganizing the Evaluation System of Transportation Accident Investigators in the TTSB	Peida LIN	Peida LIN	Taiwan Transportation Safety Board	Peida LIN; Yannian LEE					

Online Meeting room B (IRG-34-2018) Motorcycle Traffic and Safety									
Session Chair: Tien-Pen HSU									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Author	
2	Sep. 12 (Sun)	13:20-14:50 JST	PP2863	The Effectiveness of Traffic Calming in Reducing the Speed of Vehicles in University Malaya: Road Humps	Raja Nur Shahanim Binti RAJA BADRI SHAH	Raja Nur Shahanim RAJA BADRI SHAH	University of Malaya	Raja Nur Shahanim Raja Badri SHAH; Yong Adilah Shamsul HARUMAIN	
			PP2979	Platoon Dispersion of Mixed Traffic by Computer Simulation to Optimize Signal Setting: A Case Study in Indonesia	Ahmad MUNAWAR	Ahmad MUNAWAR	Gadjah Mada University	Ahmad MUNAWAR; Ahmad MUNAWAR	
			PP2927	Geometric Layout and Traffic Composition Dependent Passenger Car Equivalent of Motorcycle	Yu-Lun HUANG	Tien-Pen HSU	National Taiwan University	Tien-Pen HSU; Yu-Lun HUANG; Mu Rong TSAI	
			PP2962	Review on motorcycle traffic safety management strategies of Taiwan	Tien-Pen HSU	Tien-Pen HSU	National Taiwan University	Tien-Pen HSU; Wei-Lun HSIAO; Chang-Yi LUO	
			PP2984	Effect of Motorcycle Composition on Traffic Accident Rate in Mixed Traffic Composition	Rizky Adelinw JUNIRMAN	Hiroyuki ONEYAMA	Tokyo Metropolitan University	Rizky Adelinw JUNIRMAN; Hiroyuki ONEYAMA	
10.10: Asia-Specific Issues Session Chair: Ankit GUPTA									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
15	Sep. 12 (Sun)	16:50-18:20 JST	PP3128	Strategies for Asian Airports to Develop the Southeast Asia - North America Transfer Markets	Hsin-Yun LIN	Hsin-Yun LIN	National Taiwan Ocean University	Yu-Chun CHANG; Yi-Ting WU; Hsin-Yun LIN; Wen-Chun TSENG	
			PP2764	Effect of Outliers and Lane-Splitting Situations on the Accuracy of Travel Time Measurement using MAC Address: A Case Study in Malaysia	Obada M. A. ASQOOL	Suhana KOTING	University of Malaya	Obada ASQOOL; Suhana KOTING; Ahmad SAIFIZUL	
			PP3202	Understanding Potential Passengers' Preference for Urban Air Mobility Service	Yeongmin KWON	Yeongmin KWON	Incheon International Airport Corporation	Yeongmin KWON; Suji KIM; Jooyoung LEE	
10.40: Asia-Specific Issues Session Chair: Naohiko HIBINO									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
28	Sep. 13 (Mon)	09:00-10:30 JST	PP3040	On the Relationship Between Travel Behavior and Price Sensitivity of Public Transit in Bangkok	Tomohiro TAKANO	Tomohiro TAKANO	Nihon University	Tomohiro TAKANO; Varameth VICHENSAN; Shigeru MORICHI; Aisushi FUKUDA	
			PP2982	Analysis of Demand and Supply Gap on Mass Rapid Transit System: A Case Study of Southeast Asian Cities	Rizky WAHYULINATA	Rizky WAHYULINATA	Nihon University	Rizky WAHYULINATA, Beng Noriyasu TSUMITA, Aisushi FUKUDA	
			PP3022	Evaluation of Accessibility for Improvement of Rail Transit in Selected Southeast Asian Cities	Noriyasu TSUMITA	Noriyasu TSUMITA	Nihon University	Noriyasu TSUMITA; Aditya BETHALA; Rizky WAHYULINATA; Varameth VICHENSAN; Alexis FILLONE; Vu Anh TUAN;	
			PP2887	Comparative Analysis of Transit-Oriented Development in Thailand and Japan	Pana SUPATTIPONG	Pana SUPATTIPONG	Department of Rail Transport, Thailand	Pana SUPATTIPONG; Naohiko HIBINO; Shigeru MORICHI	
			PP3073	Mode Choice of University Students and the Possibility of Mode Shifting to the First Urban Railway Line in Hanoi, Vietnam	Truong THI MY THANH	Truong THI MY THANH	University of Transport Technology	Truong Thi My THANH	
13.10: Engineering, Technology, and Design Session Chair: Yen-Yu CHEN									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
54	Sep. 13 (Mon)	13:10-14:40 JST	PP3172	Research on Law and Regulatory Framework & Implementation for the Development of Autonomous Vehicles	Po-Yuan WANG	Po-Yuan WANG	National Cheng Kung University	Po-Yuan WANG; Chien-Hung WEI; Yu-Wen HUANG; Yu-Yu CHEN; Kai-Wen CHAN	
			PP3122	Examination of A Risk Management Through Technical Transitions in The Railway ATS System	Yoshinobu KATAGATA	Yoshinobu KATAGATA	Japan Management Co Ltd. Kabushiki Kaisha Management Japan	Yoshinobu KATAGATA; Haruo ISHIDA; Naohisa OKAMOTO	
			PP2852	Development of New Bridge Inspection System Using 5G and AI under Cloud Condition	Mai YOSHIKURA	Mai YOSHIKURA	Kanazawa University	Mai YOSHIKURA; Takahiro MINAMI; Tomotaka FUKUOKA; Makoto FUJII; Junichi TAKAYAMA	

(IRG-23-2013)International Comparative Research on Value of Travel Time in Asia (IRG-25-2013) Mobile Millennium Asia: Mobile Productivity and Utility Tools for Inclusive Urban Mobility (IRG-29-2016) Gender and Transport nexus: Achieving a more equitable and inclusive society						
Session Chair: Iderlina MATEO-BABIANO						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author
67	Sep. 13 (Mon)	15:00-16:30 JST	PP2818	Effectiveness of Policy Incentives on Electric Motorcycles Acceptance in Hanoi, Vietnam	Truong THI MY THANH	Truong THI MY THANH University of Transport Technology, Vietnam
			PP2757	Effect of Toll Road Pricing Strategy on Revenue	Ludfi DIAKFAR	Ludfi DIAKFAR Universitas Brawijaya
			PP2773	College Student Transit Safety in two Indonesian cities	Iderlina MATEO-BABIANO	Iderlina MATEO-BABIANO; Dewanti DEWANTI; Dadang UTOMO
			30.10Travel Behavior Analysis Session Chair: Yusuke KANDA			
80	Sep. 13 (Mon)	16:50-18:20 JST	PP3009	A Brief Review on Strategies to Increase Cycling: Utilization of Space Underneath the Elevated Highways/Railways for Cycling and Other Strategies	Sanduni AMBULDENIYA	Ganga Nirosha SAMARASEKARA
			PP2780	Estimation of Appropriate Parking Capacity based on Actual Conditions of Moving and Parking of Vehicles	Hayato KOGA	Shoshi MIZOKAMI Kumamoto University
			PP3089	Understanding the Effects of Household, Psychological, and Environmental Factors on the Scope of Independent Non-School Trips Realized by Walking/Cycling and Public Transport in Young Adolescents (12-15): Evidence from Small Towns and Rural Areas in Japan	Marjan KHALEGHI	Marjan KHALEGHI Nagoya University
			PP3228	Airport Access Mode Choice Behavior to the City Air Terminal in Vientiane Capital, Laos	Komack KEOCHAMPA	Hiroshima Transportation Engineering Lab
93	Sep. 14 (Tue)	10:40-12:10 JST	10.50: Transportation and Natural Disasters Session Chair: Akimasa FUJIWARA			
			PP3014	Mobility Restriction Policy Effect to Travel-activity Participation after the Policy Lifted: Evidence from the COVID-19 Outbreak in Indonesia	Muhamad RIZKI	Muhamad RIZKI Institut Teknologi Nasional Bandung
			PP2998	-Examining the Impacts of Restrictions Due to COVID-19 on Mobility of Elderly and Physically Challenged People in Megacities of Pakistan	M. Shafiq-Ur RAHMAN	Jahangirnagar University
			PP2819	Impact of COVID-19 pandemic on the Grocery shopping behavior of Individuals	B. Raghuram KADALI	MEC College of Engineering; Mahindra Ecole Centrale
106	Sep. 14 (Tue)	13:00-14:30 JST	PP3001	Network Analysis of Disaster Response Routes for Flooding: the case of Cagayan de Oro City, Philippines	Jefferson Jr. R. VALLENTE	Xavier University - Ateneo de Cagayan
			PP2920	A Study of Recovery from Shocks Lead by Crisis in the Field of Tourism	Zhongdi PEI	Prince Hotel, Inc.
			10.50: Transportation and Natural Disasters Session Chair: Makoto CHIKARAISHI			
			PP2746	Empirical Analysis of the Impact of the Great East Japan Earthquake and Effect of Estimated Tsunami Inundation on Real Estate Transactions	Jun SAKAMOTO	Kochi University
106	Sep. 14 (Tue)	13:00-14:30 JST	PP3117	Assessment of the Transferability of Quezon City Flood Evacuation Destination Choice Model to Marikina City, Philippines	Ma Bernadeth Borleo LIM	University of the Philippines Los Banos
			PP3187	Changes in Traffic Behavior of Passengers According to COVID-19: Based on Seoul Metropolitan	Jungsik UM	University of Seoul
			sponsored by Hiroshima University Resilience Research center (HRRC)			
			PP3187	Changes in Traffic Behavior of Passengers According to COVID-19: Based on Seoul Metropolitan	Jungsik UM	University of Seoul
106	Sep. 14 (Tue)	13:00-14:30 JST	PP3187	Changes in Traffic Behavior of Passengers According to COVID-19: Based on Seoul Metropolitan	Jungsik UM	University of Seoul
			sponsored by Hiroshima University Resilience Research center (HRRC)			
			PP3187	Changes in Traffic Behavior of Passengers According to COVID-19: Based on Seoul Metropolitan	Jungsik UM	University of Seoul
			PP3187	Changes in Traffic Behavior of Passengers According to COVID-19: Based on Seoul Metropolitan	Jungsik UM	University of Seoul

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10.10: Asia-Specific Issues																		
Session Chair: Shinya HANAOKA																		
Technical Session - 1	Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors									
3		Sep. 12 (Sun)	13:20-14:50 JST	PP3204	Explore the Applicability of Machine Learning Method to Find Marine Causalities: A Case Study of Territorial Sea of South Korea	Zahra NOURMOHAMMADI	Inhi KIM	Kongju National University	Zahra NOURMOHAMMADI; Inhi KIM; Yegi YOO									
				PP3119	Evaluating Traffic Congestion in Ulaanbaatar	Munkhdulam MANDAKH	Erdenechimeg ELDEV- OCHIR	Asian Infrastructure Research Institute	Erdenechimeg ELDEV- OCHIR; Munkhdulam MANDAKH; Asrat BUYANTSOGT									
				PP3196	Inter-country Comparison of Households with Every Member Out-of-home using JICA Person Trip Surveys	Tomoki NAKAYAMA	Takuya MARUYAMA	Kumamoto University	Tomoki NAKAYAMA; Tatsuya FUKAHORI; Yoshihiro SATO; Takuya MARUYAMA									
				PP3111	Enhancing Transport Policy Framework to Address Impacts of Pandemics in Southeast Asia: The Case of the Philippines	Rafael April S. RIVERA	Rafael April San Juan RIVERA	Transportation Science Society of the Philippines	Rafael April San Juan RIVERA; Enrico BASILIO; Hussein LIDASAN									
				PP2730	Examining Public Perceptions of Sustainable Transportation Indicators in Thimphu, Bhutan	Djoen San SANTOSO	Djoen San SANTOSO	Asian Institute of Technology	Visitsamuo SOLO; Djoen San SANTOSO									
Technical Session - 2						10.10: Asia-Specific Issues												
						Session Chair: Hua WANG												
						Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors				
						16	Sep. 12 (Sun)	16:50-18:20 JST	PP3083	Analysing the Perception towards Electric Vehicles in India: Variation among Different Classes of Cities	Arnab JANA	Arnab JANA	Indian Institute of Technology Bombay	Divya PATTISAPU; Sucheta RAVIKANTI; Nanya BAGREE; Nenu THOMAS; Ahana SARKAR; Arnab JANA				
									PP2922	Correlating The Mac Address With The Passenger: Wi-Fi Scanner Survey On Paratransit Mode	Arief HIDAYAT	Arief HIDAYAT	Tokyo University of Science	Arief HIDAYAT; Shintaro TERABE; Hideki YAGINUMA				
PP2909	Public Transport Trends and Environmentally Sustainable Transport Acceptance During the COVID-19 Pandemic in the Philippines	Maria GARCIA	Maria GARCIA	Yokohama National University	Maria GARCIA; Fumihiko NAKAMURA; Shinji TANAKA; Mihoko MATSUYUKI; Ryo ARIYOSHI													
Technical Session - 3																		
										29	Sep. 13 (Mon)	09:00-10:30 JST	PP2829	Managing Community Participation in Rural Transport Infrastructure Development in Southeastern Provinces, Vietnam	Dinh Tuan HAI	Dinh Tuan HAI	Hanoi Architectural University	Dinh Tuan HAI; Nguyen Xuan QUYET; Trinh Thi PHIN
													10.30: International Cooperation					
													Session Chair: Siththa JAENSIRISAK					
													Session Number	Day	Time	Paper ID	Article Title	Presenter
				PP2731	Exploring the Impact of COVID-19 on Grocery Shopping Behaviour in Malaysia and Austria	Masria MUSTAFA	Masria MUSTAFA	University Teknologi MARA	Masria MUSTAFA; Zanariah ABD. RAHMAN; Noor Azreena KAMALUDDIN; Takeru SHIBAYAMA									
				PP2854	The Regional Economic Corridor is a Factor of the Development of Transport and Logistics System in Mongolia	Unursaikhan DAMBADORJ	Unursaikhan DAMBADORJ	Mongolian University of Science and Technology	Unursaikhan DAMBADORJ; Ariunbyamba GUNCHINSUREN									
				PP2994	Origin-Destination Survey in the Time of COVID-19: The Case of Zamboanga City, Philippines	Jose Regin REGIDOR	Jose Regin F. REGIDOR	University of the Philippines Diliman	Jolsabur HALIL; Ralph RELAMPAGOS; Jerrywil ALVAREZ; Jose Regin F. REGIDOR; Daniel MABAZZA; Karl VERGEL									
				PP2830	Calibration of Micro Simulation Model for Sub-Urban Heterogeneous Traffic in Colombo	Niranga AMARASINGHA	Niranga AMARASINGHA	Sri Lanka Institute of Information Technology	T.A.Pasindu PRABHASHI; Niranga AMARASINGHA									
				PP2789	Variations of Travel Characteristics during Covid-19 Pandemic Using Vehicle Kilometer Travelled Estimates	Niranga AMARASINGHA	Niranga AMARASINGHA	Sri Lanka Institute of Information Technology	Nipun R. MARAMBAGE; Niranga AMARASINGHA									

10:40: Survey and Data Collection						
Session Chair: Sudarmanto Budi NUGROHO						
Technical Session - 4	Session Number	Day	Time	Paper ID	Article Title	Corresponding Author
42	Sep. 13 (Mon)	10:40-12:10 JST	PP3020	Exploring the Effects of Congestion Pricing on Travel Behavior Responses Using Real-Time, Context-Aware, Stated-Preference Data	Makoto CHIKARAISHI	Varun VARGHESE
			PP3072	Ridesharing Service at a Remote Community in Japan: A Case of Nakatonbetsu	Hidetada HIGASHI	Hidetada HIGASHI
			PP2892	Spatio-Temporal Trend Analysis of Chinese Tourists' Uses of Public Transport in The Past Decades	Y.C. LI	Yuen Chong LI
			PP3097	Personalized Incentive Design for Travel Behavior Modification: Preliminary Results from a Novel Experiment in Hiroshima, Japan	Varun VARGHESE	Varun VARGHESE
			PP2736	Study on the Trip Characteristics of People in Asian Megacities in Focusing on Private Vehicle Dependence and Trip Distance	Takayoshi FUTOSE	Takayoshi FUTOSE
Technical Session - 5	10:40: Survey and Data Collection					
Session Chair: Hiroshi SHIMAMOTO						
55	Sep. 13 (Mon)	13:10-14:40 JST	PP3079	Empirical Models of Consumer and Merchant Behavior in the Two-Sided Market of Local Currency	Taisei YOSHIOKA	Taisei YOSHIOKA
			PP2894	A Preliminary Study of Chinese Heritage City using Map Street View as Method to Understand Walkability Characteristics during COVID19	Shi YI	Yong Adilah SHAMSUL HARUMAIN
			PP2862	Possibility of Implementing The 'Walking School Bus' Program in Encouraging Children Walkability in Malaysia	Yong ADILAH	Yong Adilah SHAMSUL HARUMAIN
			PP3178	Application of Travel Route Analysis Utilizing Face Recognition IoT Device for Tourist Behavior	Gakuto KAWAGISHI	Gakuto KAWAGISHI
Technical Session - 6	10:10: Asia-Specific Issues					
Session Chair: Chen-Yu LIN						
68	Sep. 13 (Mon)	15:00-16:30 JST	PP3104	Evaluation of Safety of Road Construction Sites – A Rational Approach for Indian Highways	Swati MAITRA	Swati MAITRA
			PP2729	Socio-economic Evaluation of Users Delay at Manually Operated Tollbooths– A Case Study of Choti Toll Plaza	Chintaman BARI	Yogeshwar V. NAVANDAR
			PP2732	Effect of Policies and COVID-19 Cases on Mobility and Activity Participation during 300 Days of COVID-19: Panel Data Analysis of Asian Countries	Neenu THOMAS	Neenu THOMAS; Arnab JANA; Santanu BANDYOPADHYAY
			PP2837	Transit Oriented Development (TOD) in Dhaka: Measuring Spatial Potential from Node Place Perspective	Afsana HAQUE	Afsana HAQUE
			PP3094	Change in Foreigner Acceptance in Japan before and after COVID-19	Sunkyung CHOI	Sunkyung CHOI; Rajati MAHARJAN; Shinya HANAOKA

10:40: Survey and Data Collection Session Chair: Eng(Dr.) Tissa U LIYANAGE													
Technical Session - 7	Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors				
81		Sep. 13 (Mon)	16:50-18:20 JST	PP2963	Sustainability of Transjakarta: NPS-based Performance Analysis	Achmad Izzul WARO	Achmad Izzul WARO	PT Transjakarta	Achmad Izzul WARO; Auliya Rizky SUHASMORO; Djoko SETIOWARNO				
				PP2805	Determination of the Commuting Characteristics of School Children in Valenzuela City and Zambouanga City, Philippines	Nonah Sherida ABAO	Nonah Sherida ABAO	University of the Philippines Diliman	Nonah Sherida ABAO; Jose Regin REGIDOR				
				PP3087	Exploring Travel Behavior of Passengers towards Loyalty to Delhi Metro Rail Transit	Phani Kumar PATNALA	Phani Kumar PATNALA	Indian Institute of Technology, Roorkee	Phani Kumar PATNALA; Manoranjan PARIDA; Ravi Sekhar CHALUMURI				
				PP3060	Exploring and Comparing the Quality of Public Transportation Services Based on Social Media: Case Study of Greater Jakarta	Hendrik Marantino NAPTUPULU	Yasuhiro SHIOMI	Ritsumeikan University	Hendrik Marantino NAPTUPULU; Yasuhiro SHIOMI; Ihsa SYABRI				
				PP3154	Relationship between Traffic Speed and Traffic Flow Obtained from Video Footage using Deep Learning Technique	Sathiyaseelan VIJHARAN	Sathiyaseelan VIJHARAN	University of Moratuwa	Sathiyaseelan VIJHARAN; Thillaiampalam SIVAKUMAR				
Technical Session - 8				10:40: Survey and Data Collection Session Chair: Varghese VARUN									
				Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
				94		Sep. 14 (Tue)	10:40-12:10 JST	PP3211	The impact of COVID-19 pandemic on the change of transportation in Busan	Su Min KIM	Hunyoung JUNG	Pusan National University	Su Min KIM; Hunyoung JUNG
								PP2992	Examining Road Freight Transport Costs: A Philippine Perspective	Joshua Philip SUAREZ	Joshua Philip Calatcat SUAREZ	University of the Philippines Diliman	Joshua Philip Calatcat SUAREZ; Maria Jacinta LAGONERA; Ryuichi UENO; Nashtreen SINARIMBO
								PP3084	Toward a Comprehensive Understanding of ICT Impacts on Activity-Travel Behavior: Preliminary Results from a Two-week Smartphone-based Survey in Jakarta, Indonesia	Maya SAFIRA	Maya SAFIRA	Hiroshima University	Maya SAFIRA; Varun VARGHESE; Makoto CHIKARAISHI; Shiori GERSHENFELD; Fang ZHAO
PP3027	Deep Learning as an Alternative Tool to Analyze Video Footage for Classified Turning Movement Vehicle Counting at a 3-way Intersection	Pubudu UBAYASEKARA	Pubudu Ruwantha Lakshan UBAYASEKARA					University of Moratuwa	Pubudu Ruwantha Lakshan UBAYASEKARA; Undergraduate; Thillaiampalam SIVAKUMAR				
				PP2735	Examining Potentials and Practical Constraints of Mobile Phone Data for Improving Transport Planning in Developing Countries	Yuma TSUMURA	Yuma TSUMURA	Oriental Consultants Global Co., Ltd.	Yuma TSUMURA; Yoshihisa ASADA; Hiroshi KANASUGI; Ayumi ARAI; Ryoosuke SHIBASAKI; Hiroisa KAWAGUCHI				
Technical Session - 9				10:40: Survey and Data Collection Session Chair: Jia YANG									
				Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
				107		Sep. 14 (Tue)	13:00-14:30 JST	PP3129	Study on Caustrophic Factors Involved with Road Accidents in the Southern Capital City of Galle in Sri Lanka	C.P.E.S.G. DALPETHADO	Tissa Urala LIYANAGE	Master Helie's Engineering Consultants (Pvt) Ltd	Tissa Urala LIYANAGE; Gayashan DALPETHADO; Udayanathi LLANGASINGHE
								PP3080	A Comparison of Speed Data by Different Speed Detection Techniques	H.M.O.K. HERATH	Oshadhi Kausalye HERATH	University of Moratuwa	Oshadhi Kausalye HERATH; Praveen PERERA; Buddhi AYESHA; Thillai SIVAKUMAR; Anil S. KUMARAGE; Anil Shahan PERERA;
								PP3016	Evaluation of Manual and Video-based Automated Classified Vehicle Counting Methods for Heterogeneous Traffic Flow	R. A. P. U. S. PERERA	Praveen PERERA	University of Moratuwa	Praveen PERERA; Oshadhi HERATH; Buddhi AYESHA; Thillai SIVAKUMAR; Anil S. KUMARAGE; Anil Shahan PERERA;
PP3150	An International Comparative Study for Autonomous Vehicles and Their Effects Incorporating both Unobserved Latent and Observed Explanatory Variables	Jia YANG	Jia YANG					Toyota Transportation Research Institute	Jia YANG; Yasuhide NISHIHORI; Ryoosuke ANDO; Wei LIU				
				PP3006	Effect of Speed Hump Characteristics on Passenger Cars' Speed Reduction	Choy Peng NG	Choy Peng NG	Universiti Pertahanan Nasional Malaysia; Choy Peng NG; Faridah Hanim KHAIRUDDIN					

Corresponding Author	Corresponding Author's Institution	Authors
Achmad Izzul WARO	PT Transjarkarta	Achmad Izzul WARO; Auliya Rizky SUHASMORO; Djoko SETIOWARNO
Nonah Sherida ABAO	University of the Philippines Diliman	Nonah Sherida ABAO; Jose Regin REGIDOR
Phani Kumar PATNALA	Indian Institute of Technology Roorkee	Phani Kumar PATNALA; Manoranjan PARIDA; Ravi Sekhar CHALLUMURI
Yasuhiro SHIOMI	Ritsumeikan University	Hendrik Marantino NAPTUPULU; Yasuhiro SHIOMI; Ibtu SYABRI
Sathiyaseelan VIJHARAN	University of Moratuwa	Sathiyaseelan VIJHARAN; Thillaiampalam SIVAKUMAR

Corresponding Author	Corresponding Author's Institution	Authors
Hunyoung JUNG	Pusan National University	Su Min KIM; Hunyoung JUNG
Joshua Philip Calatcat SUAREZ	University of the Philippines Diliman	Joshua Philip Calatcat SUAREZ; Maria Jacinta LAGONERA; Ryuichi UENO; Nashreen SINARIMBO
Maya SAFIRA	Hiroshima University	Maya SAFIRA; Varun VARGHESE; Makoto CHIKARAISHI; Shari GERSHENFELD; Fang ZHAO
Pubudu Ruwantha Lakshan UBAYASEKARA	University of Moratuwa	Pubudu Ruwantha Lakshan UBAYASEKARA, Undergraduate; Thillaiampalam SIVAKUMAR
Yuma TSUMURA	Oriental Consultants Global Co., Ltd.	Yuma TSUMURA; Yoshihisa ASADA; Hiroshi KANASUGI; Ayumi ARAI; Ryosuke SHIBASAKI; Hirohisa KAWAGUCHI

Corresponding Author	Corresponding Author's Institution	Authors
Tissa Urala LIYANAGE	Master Hellic's Engineering Consultants (Pvt) Ltd	Tissa Urala LIYANAGE; Gayashan DALPETHADO; Udayanthi ILANGASINGHE
Oshadhi Kaushalye HERATH	University of Moratuwa	Oshadhi Kaushalye HERATH; Praveen PERERA; Buddhi AYESHA; Thillai SIVAKUMAR; Amal S. KUMARAGE; Amal Shahan PERERA;
Praveen PERERA	University of Moratuwa	Praveen PERERA; Oshadhi HERATH; Buddhi AYESHA; Thillai SIVAKUMAR; Amal S. KUMARAGE; Amal Shahan PERERA;
Jia YANG	Toyota Transportation Research Institute	Jia YANG; Yasuhide NISHIHORI; Ryosuke ANDO; Wei LIU
Choy Peng NG	Universiti Pertahanan Nasional Malaysia	Choy Peng NG; Nur Anis OMAR; Choy Peng NG; Faridah Hanim KHAIRUDDIN

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120.10: Emerging Technology (C-ITS/Autonomous/IoT)									
Session Chair: Takamori SAKAI									
Technical Session - 1	Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
4		Sep. 12 (Sun)	13:20-14:50 JST	PP3174	Optimal Assignment and Relocation of Shared Autonomous Vehicles Considering Mode Choice	Hao GUO	Yao CHEN	National University of Singapore	Hao GUO; Yao CHEN; Yang LIU
				PP3222	Introduction of Connected and Automated Public Transport Innovation	Soohyuk BANG	Soohyuk BANG	KOTI: Korea Transport Institute	Soohyuk BANG; Kyeong-Pyo KANG
				PP3216	Investigating Data Sharing Intention in Connected Vehicle Technology	Sailesh ACHARYA	Sailesh ACHARYA	Utah State University	Sailesh ACHARYA; Michelle MEKKER
				PP3093	Assessment of Mobility and Traffic Emission by Controlling the Speed at the Intersection under Heterogeneous Traffic Flow	Aditya BETHALA	Aditya BETHALA	Nihon University	Aditya BETHALA; Mohammed Asif Nawaz SHAIK; Tetsuhiro ISHIZAKA; Digvijay Sampatrao PAWAR
				PP3075	Estimating Link Volume Count Using Wi-Fi Scanners: A Case Study for Urban Road Network	Chintan ADVANI	Shrinivas Shrikant ARKATKAR	Sardar Vallabhbhai National Institute of Technology	Chintan ADVANI; Nimad GORE; SHRINIWAS Shrikant ARKATKAR; Ashish BHASKAR
100.40: Evaluation on Safety Measures									
Technical Session - 2	Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
17		Sep. 12 (Sun)	16:50-18:20 JST	PP2759	Pedestrian Safety Assessment within Public Elementary School Zones in Quezon City Using Star Rating for Schools	Jose Regin REGIDOR	Jose Regin F. REGIDOR	University of the Philippines Diliman	Cherie Lynne GOMINTONG; Jose Regin F. REGIDOR
				PP2741	Effects of Driver's License Status and Familiarity with Road Environment on the Contextuality of Fixation Behavior While Walking to School	Hironobu HASEGAWA	Hironobu HASEGAWA	National Institute of Technology, Akita College	Hironobu HASEGAWA; Makoto KASAI; Tohru TAMURA
				PP2930	Seatbelt Safety Campaign in Ger Area of Ulaanbaatar City	Erdenetuya AMGALAN	Erdenetuya AMGALAN	Mongolian University of Science and Technology	Erdenetuya AMGALAN; Choisuren PUREVDORI
				10.50: Transportation and Natural Disasters					
Technical Session - 3	Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
30		Sep. 13 (Mon)	09:00-10:30 JST	PP3113	Prediction and Simulation of Hourly Link Population and Flow Directions under the Influence of Urban Flooding from Mobile CDR Data: A Case of Yangon City	Moe Sandi ZAW	Moe Sandi ZAW	Yangon Technological University	Moe Sandi ZAW
				PP3071	Multi-criteria Analysis for Function and Location of Roadside Rest Areas Improving Disaster Preparedness	Shintaro TERABE	Shintaro TERABE	Tokyo University of Science	Shintaro TERABE; Ryota ONOSE; Hideki YAGINUMA; Kosuke TANAKA
				PP2996	Impact of Transport Network Disruption on Travel Demand: A Case Study of July 2018 Heavy Rain Disaster, Japan	Nur Diana SAFITRI	Nur Diana SAFITRI	Hiroshima University	Nur Diana SAFITRI; Makoto CHIKARAISHI
				10.60: Historical Studies					
Technical Session - 4	Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
43		Sep. 13 (Mon)	10:40-12:10 JST	PP2941	Historical Transportation Accessibility of Chinese Sui-Tang Period and Its Socioeconomics Influence	Wenlong LI	Wenlong LI	Kyoto University	Wenlong LI; Jan-Dirk SCHMÖCKER; Ali-gul QURESHI; Liang ZHAO
				PP3098	Financial Modelling of Phased Development Effect on The Feasibility of The Trans Sumatera Toll Road PPP Project Using Monte Carlo Analysis (Case Study: Betung-Pekanbaru Section)	Herry Trisaputra ZUNA	Herry Trisaputra ZUNA	Ministry of Public Works: Kementerian Pekerjaan Umum Dan Perumahan Rakyat Republik Indonesia	Herry Trisaputra ZUNA; Muhammad Idham ALWI; Eriana RAHAYU
				PP2856	A Review about Effects of Road Development, Income Inequality and Economic Growth on Private Vehicle Ownership Growth	Alvin Poi Wai Hoong POI	Alvin Poi Wai Hoong POI	Malaysian Institute of Road Safety Research	Alvin Wai Hoong POI; Teik Hua LAU; Hussain HAMID; Fauzan Mohd JAKARNI; Farzad HEJAZI
				PP2766	Travel Behavior of Elderly People in Dhaka City: Changes due to COVID-19	M. Shafiq-Ur RAHMAN	M. Shafiq Ur RAHMAN	Jahangirnagar University	M. Shafiq Ur RAHMAN; Kaspia NAHRIN; Afsana HAQUE; Jakir HOSSAIN

20:50: TDM Policy and Mobility Management						
Session Chair: Dinh Van HIEP						
Technical Session - 5	Session Number	Day	Time	Paper ID	Article Title	Presenter
56		Sep. 13 (Mon)	13:10-14:40 JST	PP2791	Modelling Customer's Perceived Service Quality and Satisfaction of Online Cab Services in India	Vishal Sanjay DEVALALIKAR
				PP2765	Public Transport Authority Model: International Experience and Applicability to Hui Phong City, Vietnam	Vu Thi Phuong HOA
				PP2737	Evaluating and Explaining the Persuasiveness of Rhetorical Appeals for Changing Travel Behavior	Varsolo SUNIO
				PP3100	External and Internal Freight Transportation Demand for Mongolian Railway	Delgermagan MISHIG
				PP2858	Assessment of Household Travel Survey Based Method for Vehicle Kilometer Travelled Estimates	Niranga AMARASINGHA
120:20: New Transport Industry (Car-Sharing/Carpool/Bike-Sharing/Uber/Personal Mobility)						
Session Chair: Chung-Cheng Jason LU						
Technical Session - 6	Session Number	Day	Time	Paper ID	Article Title	Presenter
69		Sep. 13 (Mon)	15:00-16:30 JST	PP3037	Public Bicycle Sharing Service (BSS) in Bangladesh	M. Shafiq-Ur RAHMAN
				PP3065	Simulation for Operation and Cost Optimization in Bike Sharing Rebalancing of User Demand	Kanokporn BOONJUBUT
				PP2900	Study on Market Equilibrium of Ride-Sharing Service Considering Uncertainty of User Matching	Teppi KATO
				PP2802	A Simulation-Based Genetic Algorithm for Solving the Fleet Allocation Problem in an Electric Vehicle Sharing System	Chung-Cheng LU
				PP3173	The Prospects and Challenges of New Electric Micromobility (e-mobility) Modes and Their Strategic Municipal Management in Asian Pacific Cities	Abraham LEUNG
20:50: TDM Policy and Mobility Management						
Session Chair: Hirohisa KAWAGUCHI						
Technical Session - 7	Session Number	Day	Time	Paper ID	Article Title	Presenter
82		Sep. 13 (Mon)	16:50-18:20 JST	PP2808	A Bundle-pricing Model for Mass Service Packages	Shou-Ren HU
				PP3149	New Mobility Management Handbook for Developing Countries	Toshiya YASAKU
				PP3115	Assessing the Financial Feasibility of Integrating Autonomous Vehicle in Hospital Access Service	Shou-Ren HU
				PP3153	Commuters' Satisfaction and Preferences with Mobile App-Based Public Transport Services: Cases of Airlift and Swi Bus Services in Lahore	Nazam ALI
				PP3032	Causal Structure Related to Reduced Car Use Considering Attitudes for Healthy Lifestyles in a Local City	Masashi OKUSHIMA

Technical Session - 8		20:70: Sustainable Transportation Policy Session Chair: Timo ECCARIUS						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
95	Sep. 14 (Tue)	10:40-12:10 JST	PP3048	Developing Sustainable Road Infrastructure and Transportation Toward Achieving Sustainable Development Goals 11 on Sustainable Cities	Susanti DJALANTE	Susanti DJALANTE	Tokyo Metropolitan University	Susanti DJALANTE
			PP3223	An Assessment of the Smart City Approach in the Context of Highly Urbanized Cities in the Philippines	Enrico L. BASILIO	Enrico BASILIO	University of the Philippines Diliman National College of Public Administration and Governance	Enrico BASILIO; Rafael RIVERA; Hussein LIDASAN
			PP3159	Investigating Judgement Uncertainty and Magnitude of the Intention to Switch to an Electric Scooter	Timo ECCARIUS	Timo ECCARIUS	National Cheng Kung University	Timo ECCARIUS; Ching-Fu CHEN
			PP2986	A Gap Analysis of EV Policies for promoting E- Mobility in Sri Lanka	Mavin LAKSHITHA	Mavin Lakshitha DE SILVA	University of Moratuwa	Mavin Lakshitha De SILVA; Amal S KUMARAGE
Technical Session - 9		20:70: Sustainable Transportation Policy Session Chair: Yi-Shih CHUNG						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
108	Sep. 14 (Tue)	13:00-14:30 JST	PP2826	Proposal on Indicators and Methods to Assess Sustainable Development of Urban Public Transport in Vietnam	Nguyen Quang THANH	Nguyen Quang THANH	Hai Phong Department of Transport	Nguyen Quang THANH; Phuong Hoa Thi VU
			PP3105	An Extended Butterfly Model Application of Analytical Nodes and Places surrounding Nakhon Ratchasima High-speed Rail Hub	Kitipong TISSAYAKORN	Kitipong TISSAYAKORN	Yokohama National University	Kitipong TISSAYAKORN; Fumihiko NAKAMURA; Shinji TANAKA
			PP2776	Risk Determination for the PPPs of Road Infrastructure Development in Vietnam	Dinh Tuan HAI	Dinh Tuan HAI	Hanoi Architectural University	Dinh Tuan HAI; Nguyen Hong THAI; Le Viet HOA; Nguyen Thi THUY

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20:40: (De)regulation, Organization, Privatization, and Public Management Session Chair: Barbara T.H. YEN						
Technical Session - 1	Session Number	Day	Time	Paper ID	Article Title	Corresponding Author
5	Sep. 12 (Sun)		13:20-14:50 JST	PP2125	Technical and Financial Feasibility of the Proposed Hybrid Bike-Sharing System for the University of the Philippines Los Baños	Ma Bernadeth Borleo LIM
				PP2864	Productivity Impact of Government-led Bailout of Japan Airlines	Katsuhiko YAMAGUCHI
				PP3082	The Impact of High-Speed Rail Development in Thailand: A Competition with Air Transport by Multimodal Logit Model for Bangkok-Chiang Mai	Srisorncharoen KAMONLIMSASUN
				PP3161	Evaluating Operational Integrated Transport Systems to Promote Modal Shift in Urban Area	Chinbat TUGSDELGER
				PP3221	Development of Publicness Evaluation Process for Toll Roads Using Data Envelopment Analysis	Bunjoon BAE
Technical Session - 2	Session Number	Day	Time	Paper ID	Article Title	Corresponding Author
18	Sep. 12 (Sun)		16:50-18:20 JST	PP2813	Analysis of Access-Egress Idiosyncratic for Urban Metro Rail users in Delhi	Salman KHURSHEED
				PP2870	Modal Shift in Travellers and an Evaluation of Feeder Services System	Hnin Nwe SOE
				PP2983	Impact of Accurate Information & Knowledge Sharing with Indirect Suppliers on Apparel Supply Chain Performance in Sri Lankan Context	Danul BADDAGE
				PP2878	Evaluation Method of Optimal Type of High-Speed Rail Lines in Local Regions and a Case Study for Shikoku Shinkansen, Japan	Tetsuji SATO
Technical Session - 3	Session Number	Day	Time	Paper ID	Article Title	Corresponding Author
31	Sep. 13 (Mon)		09:00-10:30 JST	PP2728	Traffic Management with Tolling Collection: Case Study of Ho Chi Minh-Trung Luong Expressway	Nguyen THANH TU
				PP2993	Variables and Type of Incentives Affecting Preference Towards Electric Vehicle in the Jakarta Greater Area: An Exploratory Study	Dimas Bayu ENDRAYANA
				PP2949	The Operationalization of Elderly Mobility and Quality of Life: A Systematic Review	Razienan MOHD YUSOFF
				PP2820	Applying the Hyperpath Concept to Public Transit Accessibility Evaluation	Rattanaporn - KAEWKLUENGKLOM
Technical Session - 4	Session Number	Day	Time	Paper ID	Article Title	Corresponding Author
44	Sep. 13 (Mon)		10:40-12:10 JST	PP3171	Schedule Optimization Attempt With Modified Train Calling Strategy Aiming For Increase The Ridership Between Pandura (PND) And Maradana (MDA)	Upekha UPAMALIKA
				PP3021	Relationship Between Motorcycle Accidents and Economic Indicators: Empirical Evidence From Malaysia Via ARDL Approach	Jen Sim HO
				PP2937	Assessing the Transportation System Efficiency in the Relationship with the Urban Housing Utilization using the Data Envelopment Analysis Method	Ha Thi Khanh VAN
				PP2787	Modelling User Perceived Service Quality of Indian Railway Platforms Using Structural Equation Modeling	Rameshwar Manikrao METAGE

Technical Session - 5		30:20: Travel Demand Modeling and Forecasting Session Chair: Hiroaki NISHIUCHI						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
57	Sep. 13 (Mon)	13:10-14:40 JST	PP2943	Evaluation of Different Forecasting Methods for the Estimation of Cargo Throughput in Manila International Container Terminal, Philippines.	Virgilio Ma Jr RAMOS	Virgilio Ma Jr Estrella RAMOS	University of the Philippines Diliman	Virgilio Ma Jr Estrella RAMOS; Aaron Michael SALANG; John Justine VILLAR
			PP3013	An Aggregate Analysis of Motorcycle and Car Ownership in South-East Asian Countries	An Minh NGOC	Ngoc Minh AN	Kochi University of Technology	Ngoc Minh AN; Hiroaki NISHIUCHI
			PP2933	Simultaneous Calibration of Traffic Demand and Transport Network using Real-World Multi-Source Data	Daniyar KURMANKHOJAYEV	Daniyar KURMANKHOJAYEV	The Hong Kong Polytechnic University	Daniyar KURMANKHOJAYEV; Zijian HU; Anthony CHEN; Wei MA
			PP2836	A Transportation Choice Model on the Commuter Railroads Using Inverse Reinforcement Learning	Tomohiro OKUBO	Tomohiro OKUBO	Waseda University	Tomohiro OKUBO; Naohiro KITANO; Akimori MORIMOTO
Technical Session - 6		20:30: Project Evaluation Session Chair: Yuce GAO						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
70	Sep. 13 (Mon)	15:00-16:30 JST	PP2955	Economic Impacts of Roadway Utility Obstructions in the Philippines	Mary Jane CASTILLO	Mary Jane CASTILLO	University of the Philippines Diliman	Mary Jane CASTILLO; Crispin Emmanuel DIAZ
			PP2834	How PPP Approach can be Implemented for Jakarta LRT Development: An Unsolicited Proposal for Development of LRT Jakarta	Sutanto SOEHODHO	Sutanto SOEHODHO	University of Indonesia	Sutanto SOEHODHO; Retno AMBARSARI; Talitha AYU
			PP3039	The Effect of New Runway's Installation on the Airport Outcome: A Case Study of Kansai International Airport in Japan	Hiddenobu MATSUMOTO	Hiddenobu MATSUMOTO	Kobe University	Hiddenobu MATSUMOTO; Koji DOMAE
Technical Session - 7		30:30: Network Analysis and Traffic Assignment Session Chair: Hooi Ling KHOO						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
83	Sep. 13 (Mon)	16:50-18:20 JST	PP3103	Sustainability Evaluation of Ridesharing In A Multi-Modal Transportation System: A Network Equilibrium Approach	Guoyuan LI	Guoyuan LI	The Hong Kong Polytechnic University	Guoyuan LI; Anthony CHEN
			PP2945	Ridesharing Traffic Flow Model based on Link-based Kinematic Wave Theory	Ryuichi TANI	Ryuichi TANI	Hokkaido University	Ryuichi TANI; Tomoya NAKAUCHI; Kenetsu UCHIDA
			PP2879	Network Design Problem to Optimize Traffic Restriction Schedule for Long-Term Road Facility Rehabilitation	Santa MIWA	Satoshi SUGIURA	Hokkaido University	Santa MIWA; Satoshi SUGIURA
			PP2980	A Link-Based Semi-Dynamic User Equilibrium Traffic Assignment Model Considering Signal Effect	Kosuke KOIKE	Kosuke KOIKE	Kanazawa University	Kosuke KOIKE; Shoichiro NAKAYAMA; Hiromichi YAMAGUCHI
			PP2934	Analysis on Students' Travel Activity Pattern in Technological University (Kyaukse), Myanmar	Nandar Wady AUNG	Nandar Wady AUNG	Yangon Technological University	Nandar Wady AUNG
Technical Session - 8		30:20: Travel Demand Modeling and Forecasting Session Chair: Hiroshi SHIMAMOTO						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
96	Sep. 14 (Tue)	10:40-12:10 JST	PP3096	Using Cellular Signaling Data to Produce Contextually Relevant High-Fidelity Demand for a Large-Scale Dynamic Traffic Assignment Model	Chih-Wei HSIEH	Chih-Wei HSIEH	National Yang Ming Chiao Tung University	Chih-Wei HSIEH; Yi-Chang CHIU; Mei-Fang CHOU; Yassilis PAPAYANNOULIS
			PP2882	Evaluation the Impact of Traffic Regulation onto Drivers' Behavior and Network Capacity using a Transportation Network Analysis Framework	Hiroshi SHIMAMOTO	Hiroshi SHIMAMOTO	Miyazaki University	Hiroshi SHIMAMOTO
			PP2806	Origin Destination Matrix Estimation for Increasing Traffic Survey Efficiency	Andreas MAULANA	Muhamad RIZKI	Institut Teknologi Nasional Bandung	Andreas MAULANA; Idwan SANTOSO; Muhamad RIZKI
			PP3118	Development of BRT Service in Semarang City: A Paradigm Change from Corridor Based to Direct-Service BRT Operation	Retno Tri AMBARSARI	Retno Tri AMBARSARI	University of Indonesia	Retno Tri AMBARSARI; Sutanto SOEHODHO
			PP2738	Depth-first Search Algorithm with the Method of Successive Averages for Solving the Logit-based Stochastic User Equilibrium Problem	Tien Thiem BUI	Tien Thiem BUI	University of Transport and Communication, Vietnam	Tien Thiem BUI

Technical Session - 9		30.20: Travel Demand Modeling and Forecasting Session Chair: Daisuke FUKUDA						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
109	Sep. 14 (Tue)	13:00-14:30 JST	PP3227	Evaluation of Kabul BRT Route Network Proposed by KUDEF	Mustafa MUTAHARI	Mustafa MUTAHARI	Toyohashi University of Technology	Mustafa MUTAHARI; Nao SUGIKI; Kojiro MATSUO
			PP2811	Development of Jakarta LRT System Along East-West Corridor: A Case Study of LRT Jakarta Pulo Gebang-Joglo	Retno Tri AMBARSARI	Retno Tri AMBARSARI	University of Indonesia	Retno Tri AMBARSARI; Suanto SOEHODHO; Talitha AYU
			PP3207	Forecasting Bus Passenger Flow using Nonlinear Autoregressive Exogenous Model in Seoul Metropolitan Area	Hosuk SHIN	Dong-Kyu KIM	Seoul National University	Hosuk SHIN; Eun Hak LEE; Seung-Young KHO; Dong-Kyu KIM
			PP3035	Impact of Covid-19 Pandemic on Passenger Air Travel Demand to Sri Lanka	Mahekha DAHANAYAKA	Varuna Viraj ADIKARIWATTAGE	University of Moratuwa	Mahekha DAHANAYAKA; Varuna Viraj ADIKARIWATTAGE
			PP3091	Performance Evaluation of Dynamic Reversible Lane and Signal Optimization in Mactan, Metro Cebu	Kaifeng DUAN	Kaifeng DUAN	Nihon University	Kaifeng DUAN; Aditya BETHALA; Piyapong SUWANNO; Tetsuhiro ISHIZAKA; Atsushi FUKUDA

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30.10: Travel Behavior Analysis									
Session Chair: Shintaro TERABE									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
6	Sep. 12 (Sun)	13:20-14:50 JST	PP3059	Influence of Built Environment, Trip Attributes and Socio-demographics on Trip Duration and Travel Mode Choice of The Elderly in a Depopulated and Hyperaging Area: A Case Study of Ome City, Tokyo	Yongjiang YANG	Kuniaki SASAKI	Waseda University	Yongjiang YANG; Kuniaki SASAKI; Guanhua XING	
			PP2960	An Efficient Modeling Approach on Passenger Demand with Fare in Shared Taxis: A Case Study of Sanjo City, Japan	Manik MONDAL	Manik MONDAL	Nagoka University of Technology	Manik MONDAL; Kazushi SANO; Tomonori WATARI; Chomjira PUPPA TERAVANIT; K.P.D. Frank PERERA; Chathura Kovida DE SILVA;	
			PP2928	Intercity Mode Choice Behaviour Pre- and Post-Movement Control Order Associated with the Covid-19 Pandemic in Malaysia	Choy Peng NG	Choy Peng NG	Universiti Pertahanan Nasional Malaysia	Choy Peng NG; Choy Peng NG; Faridah Hanim KHAIRUDDIN; Teik Hua LAW; Insalina Syahrirah IZHAM	
			PP2918	Home Based Trip Estimation from Mobile Phone Data	N.K.Bhagya JEEWANTHI	N.K.Bhagya JEEWANTHI	University of Moratuwa	N.K.Bhagya JEEWANTHI; Anal S KUMARAGE; Anul Shiehan PERERA	
			PP2871	Analyzing the Effects of Socioeconomic and Land Use Factors on Mode Choice Behaviors of Yangon City	Thiri AUNG	Thiri AUNG	Yangon Technological University	Thiri AUNG	
30.10: Travel Behavior Analysis									
Session Chair: Yu-Chiun CHIOU									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
19	Sep. 12 (Sun)	16:50-18:20 JST	PP2750	Exploring Hourly Travel Demand Patterns under Various Land Uses: Cellular Data Application	Barbara T.H. YEN	Barbara T.H. YEN	National Yang Ming Chiao Tung University	Barbara T.H. YEN; Yu-Chiun CHIOU; Yi-Yun YU	
			PP3077	Measuring Travel Behaviour Changed of Travellers using Latent Class Model for Discrete Choice Analysis	Monita WAMBRAUW	Monita Yessy Beatrick WAMBRAUW	University of South Australia	Monita YESSY BEATRICK WAMBRAUW; Sekhar SOMENAHALLI; LI MENG; Derek SCRAFTON; Elisabeth HUYNH	
			PP3076	Travel Pattern Analytics-Driven by Cellular Signaling Data	Chih-Wei HSIEH	Chih-Wei HSIEH	National Yang Ming Chiao Tung University	Yu-Chiun CHIOU; Chih-Wei HSIEH	
			PP3056	Reassignment of Road Space in Case of Mixed Traffic Using Micro-Simulation	Mozam Irshad CHATTHA	Mozam Irshad CHATTHA	Toyohashi University of Technology	Mozam Irshad CHATTHA; Kojiro MATSUO; Nao SUGIKI	
30.10: Travel Behavior Analysis									
Session Chair: Kasem CHOOCHARUKUL									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
32	Sep. 13 (Mon)	09:00-10:30 JST	PP2948	The Influence of Built Environment on Travel Behaviour in the Periphery Area and City Center of Semarang	I Gusti Ayu ANDANI	I Gusti Ayu ANDANI	Bandung Institute of Technology	Aida Ulfa FAZA; I Gusti Ayu ANDANI	
			PP2942	Preliminary Study On Travel Behaviour Of Working Parents Among Universiti Malaya: Focusing On Chauffeur Children	Farah Idayu Binti RUSLAN	Farah Idayu Binti RUSLAN	Universiti Malaya	Farah Idayu Binti RUSLAN; Yong Adilah Shamsul HARUMAN; Melasura Md DALLI	
			PP2842	Trip Estimation for Urban Planning through Transport Big Data Analysis	Kazushige ENDO	Kazushige ENDO	United Nations Centre for Regional Development	Kazushige ENDO; Ryuichi IMAI; Takato UEHARA; Yosuke HINO	
			PP3078	Exploring Diversity of Public Transport Usage with Smart Card Data and Its Associations with Accessibility and Land Use Patterns	Yu FUJIWARA	Yu FUJIWARA	Hiroshima University	Yu FUJIWARA; Junji URA TA; Akimasa FUJIWARA; Makoto CHIKARAISHI	

Technical Session - 4		30.10: Travel Behavior Analysis Session Chair: Hoang-Tung NGUYEN						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
45	Sep. 13 (Mon)	10:40-12:10 JST	PP3151	Resting Place Selection Model for Travels along Ordinary Roads	Masami YANAGIHARA	Masami YANAGIHARA	Tokyo Metropolitan University	Masami YANAGIHARA; Wataro YAMASHITA; Hiroyuki ONEYAMA
			PP2974	Distinguishing Different Types of City Tourists through Clustering and Recursive Logit Models applied to Wi-Fi data	Yuhan GAO	Yuhan GAO	Kyoto University	Yuhan GAO; J.-D. SCHMÖCKER
			PP2970	Analysis of the Weight of Factors in the Way Tourist Information is Provided at Michi-no-Eki	Takeshi TAKEUCHI	Takeshi TAKEUCHI	Nagasaki University of Technology	Takeshi TAKEUCHI
			PP3192	Accessibility to Discretionary Activities and Subjective Well-Being of University Students in Ulaanbaatar, Mongolia	Oyun-Erdene SHIRENDEV	Nobuaki OHMORI	Utsunomiya University	Oyun-Erdene SHIRENDEV; Nobuaki OHMORI; Teppei OSADA; Yoshito DOBASHI
			PP2929	A Utility-Based Multi-Modal Accessibility Measure Addressing Homogeneity and Similarity Issues in Mode and Route Choices	Yu GU	Yu GU	The Hong Kong Polytechnic University	Yu GU; Anthony CHEN; Songyot KITTHAMKESORN; S.C. WONG
Technical Session - 5		30.10: Travel Behavior Analysis Session Chair: Kai LIU						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
58	Sep. 13 (Mon)	13:10-14:40 JST	PP3106	Developing A Spatial Assessment System of Moving Passengers' Stress in Railway Stations: A View of Distancing, Speed Fluctuation, and Intervening	Yuki FUKUDA	Yuki FUKUDA	Creative Research and Planning Co., Ltd.	Yuki FUKUDA; Hioshi IEDA
			PP2822	Visitor Excursion Behavior Model and Analysis on Its Temporal Transferability Between Significant Events	Maki MURAKAMI	Shoshi MIZOKAMI	Kumamoto University	shoshi MIZOKAMI; Maki MURAKAMI
			PP2739	Mode Choice Analysis for Non-Motorized Transportation Facility Design Inside the University of the Philippines Los Banos	Hector LIM JR	Ma Bernadeth Borleo LIM	University of the Philippines Los Banos	Ma Bernadeth Borleo LIM; Joemari de ASIS; Clark Domicen DECENA; Miguel Angelo LUARCA; Hector Jr. LIM
			PP3186	Changes in Shared Bicycle Traffic Patterns Due to the Spread of COVID-19	Juhyeon KWAK	Juhyeon KWAK	University of Seoul	Juhyeon KWAK; Donggyun KU; Yoonjung JANG; Seungjae LEE
			PP3219	A Study on Diffusion Process of Community Bke in Japan: A Case Study of DATE Bike.	Toshiaki AOKI	Toshiaki AOKI	Tohoku University	Toshiaki AOKI; Liheng LIN
Technical Session - 6		30.10: Travel Behavior Analysis Session Chair: Tao FENG						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
71	Sep. 13 (Mon)	15:00-16:30 JST	PP2850	Demand Estimation of a Dedicated Shuttle Service for a University	Mathew Harvey PERALTA	Mathew Harvey PERALTA	University of the Philippines Diliman	Mathew Harvey PERALTA; Jun CASTRO
			PP2840	Identification of Dates on which Spikes in Route Searches Occurred and Discussion of the Factors	Taku MORIYAMA	Taku MORIYAMA	Tottori University	Taku MORIYAMA; Masashi KUWANO; Mio HOSOE
			PP2821	Predicting Passenger's Port and Mode Choice in Inter-Island Multiport System Travel using Decision Tree Algorithm	Hanzel N. MEJIA	Hanzel Naval MEJIA	Visayas State University	Hanzel Naval MEJIA; Phaitarasuda WITTHAYAPHONG
			PP2804	Intercity Mode Choice in Nepal: Assessing Prospects of Railway for Intercity Travel	Mannohan JOSHI	Mannohan JOSHI	Tribhuvan University	Mannohan JOSHI; Surya Raj ACHARYA; Krishna BHATTARAI
			PP3193	Estimation of GTX Modal Split Model Using Latent Class Analysis	Haram OH	Haram OH	University of Seoul	BENCEKRI; Seungjae LEE
Technical Session - 7		30.10: Travel Behavior Analysis Session Chair: Arnab JANA						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
84	Sep. 13 (Mon)	16:50-18:20 JST	PP2777	Locating Off-campus Shuttle Service Terminals for a University using Address Cluster Analysis	Mathew Harvey PERALTA	Mathew Harvey PERALTA	University of the Philippines Diliman	Mathew Harvey PERALTA; Jun CASTRO; Dominic FARGAS; Kayzel MARTINEZ
			PP3164	Application of CVP Data to Public Transport Demand Analysis in Remote Area	Zhi-Hua WU	Zhi-Hua WU	Feng Chia University	Zhi-Hua WU; Jau-Ming SU; Chih-Hung CHANG; Sung-Ting KUO; Ho-Sheng CHANG
			PP3126	Analyzing the Scope of Public Transportation in Commute to Workplace: Study of Travel Behavior in Jaipur city	Megha KABRA	Arnab JANA	Indian Institute of Technology Bombay	Megha KABRA; Arnab JANA
			PP3170	Impact of Covid-19 Pandemic on Intercity Travel Pattern: The Preferences of Individuals on Public Transport	Irsalina Syahirah Binti IZHAM	Irsalina Syahirah IZHAM	Universiti Pertahanan Nasional Malaysia	Irsalina Syahirah IZHAM; Ng Choy PENG; Khairuddin Faridh HANIMI; Law Teik HUA

Technical Session - 8		30.10: Travel Behavior Analysis Session Chair: Tsung-Hsien TSAI						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
97	Sep. 14 (Tue)	10:40-12:10 JST	PP2857	A Study of Passenger Satisfaction and Improvement of Online Taxi Policies	Tarita Apriliani SITINJAK	Tarita Apriliani SITINJAK	Universitas Palangka Raya	Tarita Apriliani SITINJAK; Ludfi DIAKIFAR; Achmad WICAKSONO; Sony Sulaksono WIBOWO; Ir. SOLIMUN
			PP2959	Analysis of Resting Place Selection Behavior Along Ordinary Roads Based on Web Questionnaire	Wataro YAMASHITA	Wataro YAMASHITA	Tokyo Metropolitan University	Wataro YAMASHITA, Bachelor of Engineering; Masami YANAGIHARA; Hiroyuki ONEYAMA
			PP2926	A Study on the Selection of Shared Taxi User in Depopulated Areas of Japan	Tomonori WATARI	Tomonori WATARI	Nagoka University of Technology	Tomonori WATARI; Kazushi SANO; Manik MONDAL; K.P.D. Frank PERERA; Chomipa PUPPATERAVANIT
			PP2888	Identification of People Daily Activities from Mobile CDR: A Case of Yangon City	Win War HLAING	Win War HLAING	Yangon Technological University	Win War HLAING
			PP2875	The Indications of Activity Duration, Built Environment, Past Behavior, Behavioral Desire, and Volition Effects on Public Transportation Usage	Patricia HARTIENI	Patricia HARTIENI	Universitas Katolik Parahyangan	Patricia HARTIENI; Dimas B. E. DHARMOWIJYO; Tri Basuki JOEWOONO
Technical Session - 9		30.10: Travel Behavior Analysis Session Chair: Tao FENG						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Author
110	Sep. 14 (Tue)	13:00-14:30 JST	PP2873	Identifying Golden Routes in Tourist Areas based on AMP Collectors	Guanghui ZHOU	Guanghui ZHOU	Gifu University	Guanghui ZHOU; Fumitaka KURAUCHI; Shin ITO; Ran DU
			PP2755	Flexible MDCEV Approach to Analyze Place-of-Visit and Time-Spent Behaviors of Visitors in Downtown Kumamoto	Shunta YOSHIKAWA	Takuya MARUYAMA	Kumamoto University	Shunta YOSHIKAWA; Hajime WATANABE; Takuya MARUYAMA
			PP2734	Assessing the Preference of Private Car Drivers in Cavite Philippines Towards the Use of Public Transportation	Alvin Joseph DOLORES	Ma Bernadeth Borleo LIM	University of the Philippines Los Banos	Renz Paul REYES; Ma Bernadeth LIM; Marloe SUNDO; Alvin Joseph DOLORES
			PP3210	Factors Affecting Acceptance Intention of E-scooter	Minhye CHOI	Hunyoung JUNG	Pusan National University	Minhye CHOI; Hunyoung JUNG

Online Meeting room G									
60:30: Transportation and Energy									
Session Chair: Yasunori MUROMACHI									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
7	Sep. 12 (Sun)	13:20-14:50 JST	PP3229	Quantifying the Environmental Benefits of Vehicle Electrification in Taiwan	I-Yun Lisa HSIEH	I-Yun Lisa HSIEH	National Taiwan University	Chia-Yu TSAI; I-Yun Lisa HSIEH	
			PP3233	Analyzing factors affecting Electric Vehicle (EV) Adoption among Urban Indians and their Influence on Each Other: A Case Study of Delhi	Shaurya MALL	Shaurya MALL	Indian Institute of Technology Roorkee	Shaurya MALL; Ramesh ANBANANDAM	
			PP2935	Sailing Speed Optimization in Passenger Ships with Proportion-based and Threshold-based Hypothetical Carbon Tax	Patrick ROLLAN	Patrick ROLLAN	University of the Philippines Diliman	Patrick ROLLAN; Cheryl SIY; John Justine VILLAR	
			PP3121	Estimation of Philippine Air Transportation Energy Demand	Felix Nathaniel Miranda ELAMPARO	Karl B. Narciso VERGEL	University of the Philippines Diliman	Felix Nathaniel MIRANDA ELAMPARO; Karl B. VERGEL; Arse John SALISON	
60:20: Climate Change and Transportation									
Session Chair: Masaaki FUSE									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
20	Sep. 12 (Sun)	16:50-18:20 JST	PP3179	Climate Change Mitigation Potential of Motorcycle Electrification in Taiwan	I-Yun Lisa HSIEH	I-Yun Lisa HSIEH	National Taiwan University	Tsung-Heng David CHANG; I-Yun Lisa HSIEH	
			PP2751	The Evaluation of Traffic Noise on Indonesian Toll Road (Case Study of Padalemyi Toll Road)	Bunga RAHMASARI	Zaid Dzulkarnain ZUBIZARETTA	Universitas Merdeka Malang	Bunga Rahmasari SUHARTONO; Rudy Hernawan KARSAMAN; Tri Liliani SOEDIRDO; Zaid ZUBIZARETTA; Zaid ZUBIZARETTA	
			PP3215	Comparison of the UP Diliman Quezon City and UST Manila City using Air Quality as Indicator	Rachel HABANA	Rachel Ross HABANA	University of the Philippines Diliman Quezon City, Philippines	Rachel Ross HABANA, Masters: Alpher De VERA; Rogelio GIBE; Francis Randy HORTELANO; Sheryl ONATE	
			PP3061	Warehouse Location and Route Optimization for an Upcoming 5 MWp Photovoltaic Solar Panels in Central Borneo Indonesia	Yosi Agustina HIDAYAT	Yosi Agustina HIDAYAT	Bandung Institute of Technology	Yosi Agustina HIDAYAT; Aurelia Grace STEPHIA; Titah YUDHISTIRA; Muchammad Arya ZAMAL	
40:20: International and Inter-Regional Logistics									
Session Chair: Tomoya KAWASAKI									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
33	Sep. 13 (Mon)	09:00-10:30 JST	PP2861	Development of Logistics Hubs Served by Strategic Freight Corridor: The Case of The Northeast Vietnam	Binh NGUYEN THI	Binh NGUYEN THI	Foreign Trade University	Binh THI THI	
			PP2869	Developing Demand Model of On Street Parking at Congested Area in Yangon	May Thaw Thaw HAY ZAR	May Thaw Thaw HAY ZAR	Yangon Technological University	May Thaw Thaw Hay ZAR	
			PP3189	Feasibility Study on Expansion of Parcel Service based on the Korean High-speed Passenger Rail System	Tae-yoon PARK	Tae-yoon PARK	Seoul National University	Tae-yoon PARK; Bumjoon BAE	
40:30: City Logistics									
Session Chair: Chin-Sum SHUI									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
46	Sep. 13 (Mon)	10:40-12:10 JST	PP2907	Analysis of Factors Affecting E-logistics Services on Urban Management at Ho Chi Minh City, Vietnam	Dinh Tuan HAI	Dinh Tuan HAI	Hanoi Architectural University	Dinh Tuan HAI; Nguyen Xuan QUYET; Trinh Thi PHIN	
			PP2897	A Genetic Algorithm for the Dynamic Capacitated Arc Routing Problem	Ching-Jung TING	Ching-Jung TING	Yuan Ze University	Rika Juliana PAJRIN; Ching-Jung TING	
			PP2881	A Two-stage Optimization Model-based Heuristic for Solving the Vehicle Routing Problem for Home Delivery Logistics Service Providers	Chung-Cheng LU	Chung-Cheng Jason LU	National Yang Ming Chiao Tung University	Chung-Cheng Jason LU; Cheng-Yu CHANG; Yu-Shyun CHIEN	
			PP3030	Evaluating the Efficiency of the Information Flow in FMCG Supply Chains in Sri Lankan Context	Abeysawake Supun LAKSHITHA	Supun LAKSHITHA	University of Moratuwa	Supun LAKSHITHA; Uthpalee HEWAWAGE	

Technical Session - 5		40.10: Logistics and Freight Transportation Policy Session Chair: Vincent F. YU						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
59	Sep. 13 (Mon)	13:10-14:40 JST	PP2985	Estimation Method to Determine Shipment Size of Iron Ore Trade in Maritime Transport	Hiroyuki KOSAKA	Hiroyuki KOSAKA	National Maritime Research Institute, Japan	Hiroyuki KOSAKA; Takenori TEZUKA; Taro ARATANI
			PP2880	Proactive Resilience Strategies in Logistics Disruption Management	Cheng-Chieh CHEN	Cheng-Chieh CHEN	National Dong Hwa University	Cheng-Chieh CHEN; Hsieh KUAN-YU
			PP2754	Shipper's Port Choice Behavior in South Viet Nam: Discrete Choice Approach	Tran Thi Anh TAM	Tam Thi Anh TRAN	University of Economics Ho Chi Minh City	Tam Thi Anh TRAN; Mikio TAKEBAYASHI
			PP2726	Disaggregate Logistics Cost Estimation of Coal Export	Delgemesan MISHIG	Delgemesan MISHIG	Mongolian University of Science and Technology	Batkhuul GOMBODORI; Munkhbold ADIYA; Delgemesan MISHIG
Technical Session - 6	60.10: Transportation and Environment Session Chair: Abdul Azeez Kadar HAMSA							
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
72	Sep. 13 (Mon)	15:00-16:30 JST	PP2967	Application of PCA to Identify Residents' Perceptions of Traffic Environment and Road Hump Installations in Malaysian Residential Areas	Khairun SARAH BACHOK	Khairun Sarah Radhiyah BACHOK	International Islamic University Malaysia	Khairun Sarah Radhiyah BACHOK; Abdul Azeez Kadar HAMSA
			PP3160	Assessment of Commuters Perception on E-Triple System in General Santos City Using Exploratory Data Analysis in Python	Geoffrey CUETO	Geoffrey Lastrilla CUETO	Mapua Institute of Technology	Geoffrey Lastrilla CUETO
			PP3010	Analytical Framework for Road Network Development Considering the Environmental Load in Drylands	Satoshi TSUCHIYA	Satoshi TSUCHIYA	Tottori University	Satoshi TSUCHIYA; Keshi TANIMOTO; Madoka CHOSOKABE; Wenhao FENG
			PP2803	Study on Impact of Motorcycle Ride Hailing Service on Energy Consumption and GHG Emission in Land Transport in Malaysia	Muhammad Faiz Ahmad FAUZI	Muhammad Faiz Ahmad FAUZI	International Islamic University Malaysia	Muhammad Faiz Ahmad FAUZI
Technical Session - 7	40.10: Logistics and Freight Transportation Policy Session Chair: Naoyuki TOMARI							
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
85	Sep. 13 (Mon)	16:50-18:20 JST	PP2913	A Policy Brief Development for Covid-19 Vaccine Distribution Throughout Indonesia	Sutanto SOEHODHO	Sutanto SOEHODHO	University of Indonesia	Sutanto SOEHODHO
			PP2794	Enhancing Resilience of Global Logistics and Supply Chains: Perspectives on Impacts of the COVID-19 Pandemic on Japanese Companies	Rajati MAHARJAN	Rajati MAHARJAN	Japan Transport and Tourism Research Institute	Rajati MAHARJAN; Hironori KATO
			PP3224	GIS-Based Multi-Criteria Decision-Making Approach for Site Selection of Cross-Docking Facility in a Retail Supply Chain	Makoto CHIKARAISHI	Makoto CHIKARAISHI	Hiroshima University	Meyrawati ZUSNITA; Makoto CHIKARAISHI
Technical Session - 8	40.10: Logistics and Freight Transportation Policy Session Chair: Andy H.F. CHOW							
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
98	Sep. 14 (Tue)	10:40-12:10 JST	PP2860	Heuristic Approach to Solve Time Dependent Team Orienteering Problem with Multiple Constraints	Uyanga SUKHBAATAR	Uyanga SUKHBAATAR	Mongolian University of Science and Technology	Uyanga SUKHBAATAR
			PP2807	Critical Factors Affecting Performance of Logistics Operation Planning Considering Interdependency: A Case Study in Automotive Aftermarket	Cheng-Hsien HSIEH	Cheng-Hsien HSIEH	Singapore University of Social Sciences	Cheng-Hsien HSIEH; Meining ZHANG
			PP3226	Last Mile Logistics and Its Impact on Emissions in Motorcycle Dominated Cities	Nhu Thi NGUYEN	Nhu Thi NGUYEN	University of Transport and Communication, Vietnam	Nhu Thi NGUYEN; Minh Ngoc AN
			PP2788	Comparison of Delay Characteristics for Freight Trains and Long-Distance Ferries	Taro ARATANI	Taro ARATANI	National Maritime Research Institute, Japan	Taro ARATANI; Keiji SATO; Takahiro MAJIMA
Technical Session - 9	40.10: Logistics and Freight Transportation Policy Session Chair: Chin-Sum SHUI							
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
111	Sep. 14 (Tue)	13:00-14:30 JST	PP3017	Prediction of Travel Time Using Google API and Assessment of Traffic Congestion Levels on Urban Road Segments in Kolkata City	Kaniska GHOSH	Kaniska GHOSH	Indian Institute of Technology Kharagpur	Sainath BASWADE; Kaniska GHOSH; Bhargab MAITRA
			PP2902	Analysis of Driving Factors for Developing Rail Freight	Lakna Lalajee WARNAPURA	Lakna Lalajee WARNAPURA	University of Moratuwa	Lakna Lalajee WARNAPURA; Anul KUMARGE
			PP3026	Challenges of Implementing Sustainable Development: the case of Mekong Delta	Thu Huyen LE	Thu Huyen LE	University of Transport and Communication, Vietnam	Thu Huyen LE
			PP3007	Smart Logistics Technology for Sustainable Supply Chain Management	Sisalemkiat PHANDANOUVONG	Sisalemkiat PHANDANOUVONG	Srinthorn International Institute of Technology	Sisalemkiat PHANDANOUVONG; Mongkunt PIANTANAKULCHAI

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50.10: Urban and Regional Planning												
Session Chair: Makoto TSUKAI												
Technical Session - 1	Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors			
8		Sep. 12 (Sun)	13:20-14:50 JST	PP3008	Internal Migration Prediction for Economic Development in Japan by Considering the Spatial Dependencies	Sebal OO	Sebal OO	Hiroshima University	Sebal OO; Makoto TSUKAI			
				PP3225	Application and result comparison of Household Urban Micro-Simulation (HUMS) model in cities of different population sizes	Munkhbat BATZAYA	Munkhbat BATZAYA	Toyohashi University of Technology	Munkhbat BATZAYA; Nao SUGIKI; Asushi SUZUKI; Kojiro MATSUO			
				PP3175	Priority signal effect on S-BRT(Super Bus Rapid Transit)	Yegi YOO	Inhi KIM	Kongju National University	Soleun PARK; Jiwoo KANG; Inhi KIM			
				PP2849	The Impact of Michi-no-Eki with Daily Life Facilities on Changes in QOL	Takeshi HIROSE	Noboru ISE	Wakayama National College of Technology	Noboru ISE; Takeshi HIROSE; Daiki NONAKA; Emi MINATO			
				PP3232	A Study on Residents' Perceptions and Demands for High-Speed Rail Station Area Development	Kyungtaek KIM	Kyungtaek KIM	KOTI: Korea Transport Institute	Kyungtaek KIM; Juyeon LEE; Hyeonseok SONG; Kwangho BAEK			
Technical Session - 2				50.10: Urban and Regional Planning								
				Session Chair: Hajime SEYA								
				Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
				21	Sep. 12 (Sun)	16:50-18:20 JST	PP2833	Understanding Travel Mode Choice in Future Robo-taxi Available Society	Jianbiao WANG	Jianbiao WANG	Nagoya University	Jianbiao WANG; Lisa WANG; Tomio MIWA; Meilan JIANG; Takayuki MORIKAWA
							PP2825	Factors of Migration and Evaluation of Amenity in Guizhou Province in China: A District Level Analysis	Shengming LU	Shengming LU	Tottori University	Shengming LU; Kei FUKUYAMA
PP2946	A Review Study on the Historical Evolution of Different Land-use and Transport Integration (LUTI) Modeling Approaches and Future Research Challenges	Nizam ALI	Nizam ALI				Kanazawa University	Nizam ALI; Shokhiro NAKAYAMA; Hiromichi YAMAGUCHI				
Technical Session - 3				PP2889	Evaluating the Conveniences and Accessibility of Transit-oriented Development (TOD) Neighbourhoods in Adelaide	Zhaohong SUN	Zhaohong SUN	University of South Australia	Zhaohong SUN; Andrew ALLAN; Sekhar SOMENAHALLI			
				PP3152	Local Assessment of Southbound Public Transport Terminals for COVID-19 Control and Prevention using Intersection Performance Analysis and Population Density based on Built-Up Areas of Molok, Iloilo City, Philippines	Randy E. MOLEJONA JR.	Randy Estales MOLEJONA JR.	Mapua University	Randy Estales MOLEJONA Jr.; Jepson John CHANG; Vanessa De LEON; Chrisha Joy SIM			
				50.30: Landscape and Urban Design								
				Session Chair: Hong T.A. NGUYEN								
				Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
34		Sep. 13 (Mon)	09:00-10:30 JST	PP3133	Unfolding Tacit and Explicit Knowledge: An Exploratory Study to Broaden The Concept of Flood Resilient Urban Park	To Quyen LE	To Quyen LE	Ton Duc Thang University	To Quyen To LE; M.E; Oswald DEVISCH; Tu Anh TRINH; Els HANNES			
				PP2774	Utilization of the Transit-Oriented Development (TOD) Suitability Index for the Study and Analysis of the Malolos Philippine National Railway (PNR) Station Development	Angelo Paulo MOGUL	Angelo Paulo Abella MOGUL	Bulacan State University	Angelo Paulo Abella MOGUL			
				PP3036	Future Curb-side Design with Autonomous and Shared Mobility	Jiarui GUO	Kitano NAOHIRO	Waseda University	Jiarui GUO; Kai KOMORI; Kitano NAOHIRO; Akinori MORIMOTO			
				PP2838	Community Detection in Wi-Fi Pedestrian Network: Implications for Post-occupancy Evaluation in Large Building Complexes	Ho-Yin CHAN	Ho Yin CHAN	The Hong Kong Polytechnic University	Ho Yin CHAN; Xintao LIU; Anthony CHEN			
				Technical Session - 4				50.20: Land Use and Spatial Analysis				
Session Chair: Abraham LEUNG												
Session Number	Day	Time	Paper ID					Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
47	Sep. 13 (Mon)	10:40-12:10 JST	PP2853					Determining Hydrogen Filling Station Allocation Strategies in Tainan City, Taiwan	Tzu-Chang LEE	Tzu-Chang LEE	National Cheng Kung University	Jong-Ying TSAI; Tzu-Chang LEE; Kuei-Chao CHANG
			PP3101					Prediction of Pedestrian Crash Locations in Urban Areas: A GIS-Based Spatiotemporal Hotspot Analysis	Arkapal Kishore GOSWAMI	Arkapal K GOSWAMI	Indian Institute of Technology Kharagpur	Saddam HUSSAIN; Arkopal K GOSWAMI; Ankit GUPTA
			PP3053	The Influence of Land Use Composition and Population Density on Private Vehicles at Bus Stops Using Path Analysis	Nur Sabariah ABDUL SUKOR	Nur Sabariah ABDUL SUKOR	Universiti Sains Malaysia	Siti Fadhlina binti Muhammad FISAL; Nur Sabariah Abdul SUKOR				

50.20: Land Use and Spatial Analysis Session Chair: Matthew Ian BURKE						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author
60	Sep. 13 (Mon)	13:10-14:40 JST	PP2756	Analyzing the Relationship between the Magnitude of the Road Traffic Crashes and Road Network Configuration: A Case of Keggalle, Sri Lanka	Amila JAYASINGHE	Amila Buddhika JAYASINGHE
			PP2901	Modeling Approach Capacity of Left most Shared Lane at Signalized Intersection with Channelized Left-turn Lane under Mixed Traffic Condition	Vasantha Sk WICKRAMASINGHE	Vasantha WICKRAMASINGHE
			PP2940	Changes and Characteristics of the Tokyo Metropolitan Area Over the Past 50 Years: Focusing on Land Use and Traffic Behavior along Railroad Lines	Kenta TANIGUCHI	Kenta TANIGUCHI
			PP3158	Should Transport Agencies in East Asian Countries be Worried about Growing Rates of Private Schooling?	Matthew BURKE	Matthew Ian BURKE
50.10: Urban and Regional Planning Session Chair: Junyi ZHANG						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author
73	Sep. 13 (Mon)	15:00-16:30 JST	PP3043	Does the Rise of Online Motorcycle Taxi Services Increase the Number of Motorcycle? Learning from Evidence in Indonesia Using Interrupted Time Series Method	Yovita Fabriska LARAS	Universitas Kaelik Parhyangan Fakultas Teknik
			PP2951	Analysis of Network Features and Travel Characteristics for Enhancing Bus - Based Public Transport System – Case Study in Kandy, Sri Lanka	Vasantha Sk WICKRAMASINGHE	University of Peradeniya
			PP3051	Study of Factors Impacting Safety, Security and Mobility Friction on the Choice of Pedestrians in Using Skywalk Facilities through Soft Computing Approaches	Akhilesh Kumar MAURYA	Indian Institute of Technology Guwahati
			PP2859	The Application of Blockchain and Travel Destination Identification Mechanism to Cash Flow in the Rural	Chih-Peng CHU	National Dong Hwa University
			PP3085	Exploring the Impacts of Online Food Delivery Service on Facility Distribution: A Case of Jakarta, Indonesia	Maya SAFIRA	Hiroshima University
50.40: Tourism and Leisure Activities Session Chair: Hong T.A. NGUYEN						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author
86	Sep. 13 (Mon)	16:50-18:20 JST	PP2916	Understanding the Actual Use and Analysis of Attracting Factors by the model Estimating the Number of Users at Roadside Stations	Kaoru ONUMA	Nagoka University of Technology
			PP2947	Accessibility Evaluation Considering Consumed Calories - Case study in the Tokyo Coastal Sub-center Area -	Hiroyuki ONEYAMA	Tokyo Metropolitan University
			PP2978	Tourists' Perception and their Preference Heterogeneity towards Pedestrian Infrastructure and Facilities at Tourist Destinations in India	Swati MAITRA	Indian Institute of Technology Kharagpur
			PP3095	Analysis of Transport Supply-demand Gaps in Rural Tourism Areas	Hoang Duy PHAM	Tokyo Metropolitan University
50.40: Tourism and Leisure Activities Session Chair: Takeshi KURIHARA						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author
99	Sep. 14 (Tue)	10:40-12:10 JST	PP3127	The Dialogic Formulation of Tourism Strategies in Urban Renaissance Cities: A Comparative Study of Berlin, Budapest, and Santa Barbara	Hiroyuki NAKANO	Kyoto Sangyo University
			PP2790	Discovering the role of informal transport in tourism in developing countries	Katrina GANZON	The University of Melbourne
			PP2835	Analyzing Security Issues Against Pedestrians in Urban Areas: Case Study of Street Crimes in Sugunami and Machida, Tokyo	Shangrui LI	Tokyo Institute of Technology

Technical Session - 9		80.20: Pavements Session Chair: Ghim Ping ONG						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
112	Sep. 14 (Tue)	13:00-14:30 JST	PP3038	Effect of Aging on the Physical and Morphological Properties of Polyurethane Modified Bitumen	Faridah Hanim Binti KHAIRUDDIN	Faridah Hanim KHAIRUDDIN	Universiti Petronas Nasional Malaysia	Faridah Hanim KHAIRUDDIN; Siti Zubaidah Mohd ASRI; Choy Peng NG; Noor Aina MISNON; Nur Izz Md YUSOFF; Khairah BADRI
			PP2977	Modelling the Properties of Modified Hot Mix Asphalt Containing Polyethylene Terephthalate Fibers and Carbonized Wood Particles	Nishanthini JEGATHEESAN	Nishanthini JEGATHEESAN	University of Ruhuna	Nishanthini JEGATHEESAN; Terrance M. RENGARASU; Wasala M.K.R.T.W. BANDARA
			PP3116	Skid Resistance Evaluation of Pervious Pavement Mixtures using XRCT-based Modelling	Ghim Ping ONG	Ghim Ping ONG	National University of Singapore	Ajayshankar JAGADEESH; Ghim Ping ONG
			PP3199	Material Characterization and Balanced Mix Design for Reclaimed Asphalt Mixtures	Min-Chih LIAO	Min-Chih LIAO	National Taiwan University of Science and Technology	Min-Chih LIAO; Ming-Tse HUNG; Yushan LUO

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70.10: Intercity Railway									
Session Chair: Tadashi ITO									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
9	Sep. 12 (Sun)	13:20-14:50 JST	PP2965	Drivers of the Financial Performance of Sri Lanka Railways (SLR)	Chamila Tharangani DANTHANARAYANA	Chamila Tharangani DANTHANARAYANA	University of Colombo	Chamila Tharangani DANTHANARAYANA; Anul S. KUMARAGE	
			PP2917	Comparison between Algebraic Connectivity-Based and Global Efficiency-Based Vulnerability for Railway Topology Analysis: A Case Study of Kyushu, Japan	Pongwit PROMSUWAN	Pongwit PROMSUWAN	Kanazawa University	Pongwit PROMSUWAN; Shodchiro NAKAYAMA; Hiromichi YAMAGUCHI; Shun-ichi KOBAYASHI	
			PP2827	A Study of LOS Evaluation Model for Inter-Regional Railway Station	Yuki HABUKA	Yuki HABUKA	JRRT Tokyo Bureau	Yuki HABUKA; Kenji WATANABE; Takeshi EJIMA; Kenji SHIMIZU; Eiji OHNAKA; Hitoshi ASAMI;	
			PP3002	A Primary Study to Understand the Trends of Generation Trips along the LRT Route in Utsunomiya City by Using Cell Phone Data	Hsiangchuan CHANG	Hsiangchuan CHANG	Waseda University	Hsiangchuan CHANG; Naohiro KITANO; Akinori MORIMOTO	
			PP3230	Development of Urban Railway Service from User's Perspective	Ho LEE	Ho LEE	KOTI: Korea Transport Institute	Ho LEE	
70.30: Bus and BRT (Bus Rapid Transit)									
Session Chair: Chihung WU									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
22	Sep. 12 (Sun)	16:50-18:20 JST	PP3050	Perspective and Challenge on Transportation Passenger Service with Private Car (Paratransit) in Japan.	Ryusuke TAKEUCHI	Ryusuke TAKEUCHI	JSRSAL: The Japan Section of the Regional Science Association International	Ryusuke TAKEUCHI; Soichiro MINAMI; Hiroto INOI; Itsuki YOSHIDA	
			PP2847	User's Perception on Quality and Reliability of Urban Public Transport Services in Asian Cities	Madan B. REGMI	Madan B. REGMI	United Nations	Madan B. REGMI	
			PP3182	First-Mile Mode Study to Mass Rapid Transit (MRT) System in Klang Valley	Bleshius Obinna IKEH	Bleshius Obinna IKEH	University of Malaya	Bleshius Obinna IKEH; Choon Wah YUEN; Booh Hoe GOH	
			PP3046	Productivity and Cost Structure of Transportation Passenger Service with Private Car (Paratransit) in Japan.	Ryusuke TAKEUCHI	Ryusuke TAKEUCHI	JSRSAL: The Japan Section of the Regional Science Association International	Ryusuke TAKEUCHI; Soichiro MINAMI; Hiroto INOI; Itsuki YOSHIDA	
70.30: Bus and BRT (Bus Rapid Transit)									
Session Chair: Cheng-Hsien HSIEH									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
35	Sep. 13 (Mon)	09:00-10:30 JST	PP3045	Public Transport Crowdsourcing and Co-Production for BRT in Transition: Monitoring and Analyzing the EDSA Busway Performance in Metro Manila for Strategic Planning and Policies	Noriel Christopher Cufos TIGLAO	Noriel Christopher Cufos TIGLAO	University of the Philippines Diliman	Noriel Christopher Cufos TIGLAO; Mark Angelo TACDERAS; Niki Jon TOLENTINO; Erris SANCINGO	
			PP2832	Optimal Public Transit Hybrid Network Structure in Greater Jakarta towards the Autonomous Buses	Robby Yudo PURNOMO	Robby Yudo PURNOMO	Universitas Indonesia	Robby Yudo PURNOMO; Hugo BADIA	
			PP2844	Integration of Transportation Demand and Population Coverage to Design Bus Networks	Erdenebat BATZORIG	Erdenebat BATZORIG	Mongolian University of Science and Technology	Erdenebat BATZORIG; Nomungere! ERDENEBAT	
			PP3052	COVID-19 Pandemic Impacts on Bus Transportation: Young People Travel Intention as Passenger	Suhaila ABDUL HANAN	Suhaila ABDUL HANAN	Universiti Utara Malaysia	Mohd Ismail MOHD IBRAHIM; Nur Azidawati IBRAHIM; Suhaila Abdul HANAN	
			PP3188	A Route Design Method for Metropolitan Buses to Improve Public Usability and Efficiency	Sangwon YOON	Sangwon YOON	KOTI: Korea Transport Institute	Sangwon YOON; Junsik PARK; Saungryul GO	
70.30: Bus and BRT (Bus Rapid Transit)									
Session Chair: Norida Abdul HAMID									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
48	Sep. 13 (Mon)	10:40-12:10 JST	PP2903	Bus Travel Time Prediction Using Time Series Analysis	Raunak MISHRA	Raunak MISHRA	University of North Carolina at Charlotte	Raunak MISHRA; Soorya V B; Shriniwas S. ARKATKAR	
			PP2797	Subsidy Management as An Efficient Measure To Promote Urban Public Transport Development: A Case Study in Hai Phong City, Vietnam	Nguyen Quang THANH	Nguyen Quang THANH	Hai Phong Department of Transport	Nguyen Quang THANH; Phuong Hoa Thi YU	
			PP2770	Optimizing the Procurement and Deployment of Electric Buses from a Bus Company Perspective	Yu-Chiun CHIOU	Yu-Chiun CHIOU	National Yang Ming Chiao Tung University	Yu-Chiun CHIOU; Jhu-Han HSU	
			PP2762	Temporal and Spatial Analysis of Actual Transfer Route of Bus Passengers - A Case Study on "Kururin-bus" in Nishin City, Japan -	Yuya KOBAYASHI	Yukimasa MATSUMOTO	Meijo University	Yuya KOBAYASHI; Yukimasa MATSUMOTO; Seiki ITO	
			PP3176	Optimizing Feeder Transit Bus Lines Considering Users' Route Choice Behaviors	Sedong MOON	Dong-Kyu KIM	Seoul National University	Sedong MOON; Eun Hak LEE; Dong-Kyu KIM	

Technical Session - 5		70-30: Bus and BRT (Bus Rapid Transit)							
		Session Chair: Mio SUZUKI							
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Author	
61	Sep. 13 (Mon)	13:10-14:40 JST	PP2898	The study of electric buses and their influence in the environment in the UB city	Bayarsaikhan TSEND-AYUSH	Bayarsaikhan TSEND-AYUSH	Mongolian University of Science and Technology	Bayarsaikhan TSEND-AYUSH; CHIMEDTSGZOL NYAMBUU; KHULAN BAYARSAIKHAN	
			PP2952	Identifying User Preferences Towards Proposed Colombo Light Rail Transit Using Hybrid Conjoint Analysis Model	Terrance Mohanaraj RENGARASU	Terrance Mohanaraj RENGARASU	University of Ruhuna	Terrance M. RENGARASU , M.S.C. GUNASEKAR	
			PP2752	Performance Evaluation of Bus Routes: A Case Study of Hanoi City	Khae-Duong TRAN	Khae-Duong TRAN	The University of Transport and Communications	Khae-Duong TRAN	
			PP3180	Assessing passenger comfort and satisfaction on Bus Rapid Transit system	Harpreet SINGH	Harpreet SINGH	Indian Institute of Technology Jammu	Harpreet SINGH; Ankit KATHURIA	
Technical Session - 6		70-20: Urban Railway, LRT, and Guided Transit System							
		Session Chair: Manoranjan PARIDA							
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
74	Sep. 13 (Mon)	15:00-16:30 JST	PP2799	Assessment of Railway Safety in Southeast Asia Region	Aini Hazwani SHAHRIR	Aini SHAHRIR	Universiti Putra Malaysia	Aini Hazwani SHAHRIR; Law Teik HUA; Muhammad Marizwan AbdulMANAN	
			PP3028	Modelling the Urban Rail Ridership in Kuala Lumpur by Pedestrian Infrastructure Designs, Land Use and Station Characteristics.	Mohd Farid JAAFAR SIDEK	Mohd Farid JAAFAR SIDEK	International Islamic University Malaysia	Mohd Farid Jafar SIDEK; Abdul Azeez KADAR HAMSA; Norzailawati MOHD NOOR; Mansor IBRAHIM	
			PP3197	Evaluating Service Quality of Metro Rail Transit System using Neural Networks Approach	Jyoti MANDHANI	Jyoti MANDHANI	Indian Institute of Technology Roorkee	Jyoti MANDHANI; Jyotindra NAYAK; Manoranjan PARIDA	
			PP3090	Train Could Be An Optimal Public Transport Option In Ulaanbaatar	Erdenechimeg ELDEV-OCHIR	Erdenechimeg ELDEV-OCHIR	Asian Infrastructure Research Institute	Erdenechimeg ELDEV-OCHIR; Munkhdulam MANDAKH; Asrat BUYANTSOGT	
Technica Session - 7			PP2809	Explore Study of Behavior Intention of the Service of Artificial Intelligence Application in the Station Based on Stimulus – Organism – Response Theory	Yu-Kai HUANG	Yu-Kai HUANG	Nanhua University	Yu-Kai HUANG; Shu-Mei WANG; Cheng-Hsieh HSIEH; CHENG-MIN FENG	
			70-40: Minibus and Paratransit						
			Session Chair: Seiji IWAKURA						
			Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author
87	Sep. 13 (Mon)	16:50-18:20 JST	PP2910	Assessment of Pedestrian Level-of-Service for Airport Access Mode Facilities (Case Study: Sultan Mahmud Badaruddin II International Airport, Palembang)	Siti Raudhatul FADILAH	Siti Raudhatul FADILAH	Bandung Institute of Technology	Siti Raudhatul FADILAH; Sony Sulaksono WIBOWO; Russ Bona FRAZILA	
			PP2961	Impact of COVID-19 on Residential Self-selection and Travel Behavior Change.	Chomnipa PUPPATERAVANIT	Chomnipa PUPPATERAVANIT	Nagasaki University of Technology	Chomnipa PUPPATERAVANIT; Kazuishi SANO; Kichiro HATOYAMA; K.P.D. Frank PERERA; Manik MONDAL; Tomonori WATARI	
			PP3069	Using Big Data to Identify if an Off-peak Fares Policy within a Multi-modal System Can Influence Travellers' Boarding Time Preferences and Improve Modal Integration: the Case of South-East Queensland, Australia	Barbara T.H. YEN	Barbara T.H. YEN	National Yang Ming Chiao Tung University	Barbara T.H. YEN; Corinne MULLEY; Wen-Chun TSENG	
			PP3055	Paratransit Services in a Medium-size City: Users' Opinions about Easybikes in Rangpur City, Bangladesh	M. Shafiq-Ur RAHMAN	M. Shafiq Ur RAHMAN	Jahangirnagar University	M. Shafiq Ur RAHMAN; Md. Ashrafuzzaman PRAMANIK	
PP2760	Impact of COVID-19 on Traditional LAMAT Services in Asian Developing Cities: The Phnom Penh Case	Veng Kheng PHUN	Veng Kheng PHUN	Institute of Technology of Cambodia	Veng Kheng PHUN; Veng Kheng PHUN; Pharith PhENG; Hironori KATO; Tetsuo YAI				

Technical Session - 8		70:50: Pedestrian and Bicycle Session Chair: Kuancheng HUANG						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
100	Sep. 14 (Tue)	10:40-12:10 JST	PP3042	Modeling the Level of Service of Passenger Walking in Transport Terminals	T.D.N. MADUSHANI	Varuna Viraj ADIKARIWATTAGE	University of Moratuwa	Nadesha MADUSHANI; Varuna Viraj ADIKARIWATTAGE
			PP2868	The Station Location Problem of Public Bicycle Systems with the Demand Depending on Access Distance	Kuancheng HUANG	Kuancheng HUANG	National Chiao Tung University	Kuancheng HUANG; Kohuan CHEN
			PP2782	Vision-based Crowd Dynamic Model for Multi-directional Pedestrian Flow at Public Space: A Hybrid Approach	Zixuan ZHOU	Zixuan ZHOU	Tokyo Institute of Technology	Zixuan ZHOU; Wataru NAKANISHI; Yasuo ASAKURA
			PP3092	Factors Affect on the Bicycle Commute Mode Choice in Ha Noi, Viet Nam	Thao Thi NGUYEN	Thao Thi NGUYEN	Nagoka University of Technology	Thao Thi NGUYEN; Kazushi SANO; Manik MONDAL; Trinh LINH
			PP2747	A Proposal of Envelope Theorem on the Interaction between Pedestrians and Mobilities on Urban Roads	Lubing ZOU	Tetsuo YAI	Tokyo Institute of Technology	Lubing ZOU; Tetsuo YAI
Technical Session - 9		70:50: Pedestrian and Bicycle Session Chair: Hiromori KATO						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
113	Sep. 14 (Tue)	13:00-14:30 JST	PP2796	Minimum Width of Bicycle Exclusive Road Based on Human Factor Engineering	Jiangbi HU	Shangwen QU	Beijing University of Technology	Jiangbi HU; Shangwen QU; Ronghua WANG; Jiechao CHEN
			PP3231	Evaluating Methods of Cycle Facility: Case Study of BCI in Kumamoto City	Qiang LIU	Qiang LIU	Institute of Policy Research, Kumamoto City	Qiang LIU
			PP2745	Modeling Pedestrian Compliance Behavior at an Urban Signalized Intersection	Faizatul HAQUE	Faizatul HAQUE	Jamia Millia Islamia	FAIZANUL HAQUE; FARHAN AHMAD KIDWAI
			PP2896	Estimating the Potential Retail Impact of Improving the Pedestrian Environment in the Downtown Cebu City	Crispin Emmanuel D DIAZ	Crispin Emmanuel D. DIAZ	University of the Philippines Diliman	Crispin Emmanuel D. DIAZ; Konstantine C. KOH
			PP2866	A Rapid Evaluation Tool to Determine Suitability of Road Sections for Pedestrianization in the Philippines Setting	Konstantine KOH	Konstantine Chua KOH	University of the Philippines Diliman	Konstantine Chua KOH, MA; Crispin DIAZ

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80.10: Highway Planning and Design Concept										
Session Chair: Jamshid I. SODIKOV										
Technical Session - 1		Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
	10	Sep. 12 (Sun)	13:20-14:50 JST	PP2767	Prediction of Remaining Service Life of Flexible Pavement Based on Patterson Method in Manado-Bitung Highway of Indonesia	Bambang Sugeng SUBAGIO	Siti Raudhatul FADILAH	Siti Raudhatul FADILAH	Insitut Teknologi Bandung, Indonesia	Bambang Sugeng SUBAGIO; Winduoto ABISETYO; Jongga JIHANNY; Siti Raudhatul FADILAH
				PP2768	Analysis of Driver's Speed and Lateral Acceleration Behavior on Ramp Interchanges in India	Sarika POTHUKUCHI	Sarika POTHUKUCHI	IIIT, Indian Institute of Technology Hyderabad	Sarika POTHUKUCHI; Digvijay PAWAR	
				PP3155	Analysis of Speed Positions on Horizontal Curves for Two-Lane Rural Highways	Vinayak Devendra MALAGHAN	Vinayak Devendra MALAGHAN	IIIT, Indian Institute of Technology Hyderabad	Vinayak Devendra MALAGHAN; Digvijay PAWAR; Hussein DIA	
				PP3195	Sign Location Estimation for Road Sign Anomaly Detection Using Advanced Vehicle Probe Data	Daijiro SUTO	Kojiro MATSUO	Toyohashi University of Technology	Daijiro SUTO; Kojiro MATSUO; Naoki CHIGAI; Nao SUGIKI	
Technical Session - 2		80.30: Road Maintenance								
Session Chair: Pailsten HUNG										
	23	Sep. 12 (Sun)	16:50-18:20 JST	PP3200	Information Value in Pavement Management Systems with Surface Condition Information Collected by Autonomous Vehicles	Heesung SHON	Jinwoo LEE	Jinwoo LEE	Korea Advanced Institute of Science and Technology	Heesung SHON; Jinwoo LEE
				PP3220	Image-based Automatic Recognition of Road Cracks for an Intelligent Pavement Maintenance Management System	Deeksha ARYA	Deeksha ARYA	IIT Roorkes: Indian Institute of Technology Roorkes	Deeksha ARYA; Sanjay Kumar GHOSH; Durga TOSHNIWAL	
				PP3112	Development of Soundness Diagnosis Model for Concrete Slab Using Bridge Inspection Data	Takahiro MINAMI	Takahiro MINAMI	Kanazawa University	Makoto FUJII; TAKAHIRO MINAMI; Tomotaka FUKUOKA; Mai YOSHIKURA; Takaki SUWA	
				PP2995	A Study on Combination of Drone and Deep Learning based Image Processing Method for Work Efficiency of Pensok Maintenance	Tomotaka FUKUOKA	Tomotaka FUKUOKA	Kanazawa University	Tomotaka FUKUOKA; Takahiro MINAMI; Makoto FUJII	
Technical Session - 3		70.50: Pedestrian and Bicycle								
Session Chair: Yu-Ting Hsu										
	36	Sep. 13 (Mon)	09:00-10:30 JST	PP2971	Optimization of Dock Distribution in a Bike-Sharing System Considering Travelers' Multi-Station Choices	Yu-Ting Hsu	Yu-Ting Hsu	Yu-Ting Hsu	National Taiwan University	Ruei-Yan CHANG; Katsuya SAKAI; Yu-Ting Hsu
				PP3081	Safety Evaluation of Personal Mobility Vehicles and Pedestrians under Mixed Traffic Flow using Traffic Simulation	Miho IRYO-ASANO	Miho IRYO-ASANO	Nagoya University	Takayuki HISHIKAWA; Miho IRYO-ASANO	
				PP2956	Investigating the Effect of Pedestrian Characteristics, Land Use, Location and Level of Vehicle Traffic on Crosswalk Speed of Pedestrians	G.S. SAMARAKOON	Gayasha SAMARAKOON	University of Moratuwa	Gayasha SAMARAKOON; Thillaiampalam SIVAKUMAR	
				PP2876	Pedestrian Crossing Behaviour at Signalized Intersection Crosswalks: An Observational Study of Factors Influencing Pedestrian Walking Speed, Safety Margin, and Violation	Akhilish Kumar MAURYA	Rahul RAONIAR	Indian Institute of Technology Guwahati	Rahul RAONIAR; Akhilesh Kumar MAURYA	
Technical Session - 4		70.60: Station/Stop/Terminal Facilities								
Session Chair: Li MENG										
	49	Sep. 13 (Mon)	10:40-12:10 JST	PP2867	Analysis of Correlation, Importance, and Performance of Pedestrian Facilities on Sudirman-Thamrin Road in Jakarta	Agah Muhammad MULYADI	Agah Muhammad MULYADI	Agah Muhammad MULYADI	Regional Development Planning Agency, Cimahi City	Agah Muhammad MULYADI
				PP3177	Evaluation of Transit Sustainability Based on Network Data Envelopment Analysis Model Using Smart Card Data	Eun Hak LEE	Eun Hak LEE	Seoul National University	Eun Hak LEE; Sang-Wook HAN; Hosuk SHIN; Seung-Young KHO	
				PP2899	Systematization of the Optimal Site Selection Method for the Roadside Station that Serves as Transport Hubs for the Last Mile	Maika KUBO	Maika KUBO	Nagasaki University of Technology	Maika KUBO; Kazushi SANO; Takao TAKAHASHI; Yoko MATSUDA	
				PP2775	Value Creation through Joint Entrepreneurship in Developing Multi-modal Shared Mobility Systems	Li MENG	Li MENG	University of South Australia	Li MENG; Shehar SOMENAHALLI; Stephen BERRY	

90:30: Highway Capacity and Quality of Service Session Chair: Ka Jo WONG						
Technical Session - 5	Session Number	Day	Time	Paper ID	Article Title	Authors
62	Sep. 13 (Mon)	13:10-14:40 JST	PP3049	Capacity Analysis of Signalized Traffic Circles in Comparison with Conventional Intersections	Yan BAI	Nagoya University
			PP2981	Estimation of Roundabout Entry Capacity under Autonomous Vehicle Mixed Flows through a Traffic Simulator	Xin ZHANG	Nagoya University
			PP2884	Lane-based Evaluation of the Traffic Flow Quality of Service in Urban Expressway Weaving Segments Based on Lane Utilization Rate	Zhengyang ZHOU	Nagoya University
			PP2824	An Analysis of the Left-turn Lane Capacity under Autonomous Vehicle Mixed Flow Considering the Influence of Pedestrian Volume and Crosswalk Length	Yifei WANG	Nagoya University
Technical Session - 6	80:20: Pavements Session Chair: Meng GUO					
75	Sep. 13 (Mon)	15:00-16:30 JST	PP3130	Evaluation of the Pavement Road Roughness: A Case of San Juan, La Union	Orlean G. DELA CRUZ	Polytechnic University of the Philippines
			PP3123	Developing Pavement Condition Index for Asphalt Roads	A.M.Mohamed MAFAS	University of Peradeniya
			PP2769	Evaluation of Recycled Polymer as an Alternative for Highly Modified Bitumen	Jian-Shiuh CHEN	National Cheng Kung University
			90:50: Traffic/Signal Control and Management Session Chair: Khin Khin CHO			
88	Sep. 13 (Mon)	16:50-18:20 JST	PP3004	Evaluation of the Effects of Traffic Signalization at the Lopez Avenue-National Highway, Los Baños Laguna Intersection Using Philippines Local Simulation Software	Ma Bernadeth B. LIM	University of the Philippines Los Banos CRUZ
			PP2966	Signal Timing Optimization of Oversaturated Isolated Signalized Intersection Considering Temporal Oversaturation Severity Index	Felipe Jr Zafra RAMO	University of the Philippines Diliman
			PP2944	Traffic Signal Optimization Models Minimizing Vehicles' Average Delay in an Isolated Signalized Intersection	Rui MU	Toyota Transportation Research Institute Ryosuke ANDO
			PP2872	Analysis on Congestion Level of Two Roundabouts	Khin Khin CHO	Yungon Technological University
Technical Session - 8	90:60: Traffic Simulation System and Analysis Session Chair: Shou-Ren HU					
101	Sep. 14 (Tue)	10:40-12:10 JST	PP2792	Simulation Analysis of the Influence of Automated Vehicles on the Performance of Signalized Intersections	Yun-Zhu LIN	Chung Yuan Christian University
			PP2740	Traffic Condition and Proposed Traffic Management Strategies at Banlic-Mamand Intersection in Cabuyao City, Laguna, Philippines	Ma Bernadeth Borleo LIM	University of the Philippines Los Banos
			PP2958	Effect of the Traffic Flow with Change in Time on Driver Behavior Parameter Values in Micro-Simulation	Niranga AMARASINGHA	Sri Lanka Institute of Information Technology
			PP3181	Microscopic Traffic Simulation Model Calibration for the Purpose of Surrogate Safety Assessment	Jaehyun (Jason) SO	KOTI: Korea Transport Institute YUN
Gregorio Ivan AVIKARASYIHAWAN; Tri Basuki JOEWOONO; Holy FELICIA; Althea Averlineya WILLIEM; Muhammad RIZKI						

Technical Session - 9		90.50: Traffic/Signal Control and Management Session Chair: Kinjal BHATTACHARYA						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
114	Sep. 14 (Tue)	13:00-14:30 JST	PP3011	Signal Offset Design Based on Upstream Vehicle Speeds: Considering Vehicle Behavior in Dilemma Zones	Yu-Ting HSU	Yu-Ting HSU	National Taiwan University	Yang-Cheng SU; Yu-Ting HSU
			PP2786	The Effects of Colored Crosswalks on Pedestrian and Drivers' Behaviors at Signalized Intersections	Ming-Heng WANG	Ming-Heng WANG	Taiwan Police College	Ming-Heng WANG
			PP3114	An End-to-end Data Driven Model for Coordinated Ramp Metering Systems	Kaustubh Prabha CHANDRAMOULI	Edward CHUNG	The Hong Kong Polytechnic University	Kaustubh Prabha CHANDRAMOULI; Xixin ZOU; Edward CHUNG; David GYLES
			PP2839	Development of Poor Visibility Assessment Method in Winter Using Images Taken by On-Board Video Camera	Yuki NAKAMURA	Yuki NAKAMURA	Hokkaido University	Yuki NAKAMURA; Toru HAKIWARA; Yasuhiro NAGATA; Sho TAKAHASHI
			PP2763	Comparison of Machine Learning Methods for Travel Time Estimation on Tollway	Saroeh BOONSIRIPANT	Saroeh BOONSIRIPANT	Kasetsart University	Saroeh BOONSIRIPANT; Chuthathip ATHAN

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90.10: Modeling of Vehicle Maneuvers and Drivers									
Session Chair: Tien Dung CHU									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
11	Sep. 12 (Sun)	13:20-14:50 JST	PP3086	Prediction of Geometric Parameter Influence on Driver Speed through Neural Network Model	Akhilish Kumar MAURYA	Akhilish Kumar MAURYA	IIT Guwahati	Suresh NAMA; Gourab SIL; Akhilesh Kumar MAURYA; A.vijit MAJI	
			PP3054	A Grid Analysis Method for Estimation of Lateral Placement of Vehicles	Subhadip BISWAS	Subhadip BISWAS	National Institute of Technology Hamipur	Harish Kumar SAINI; Bhavna KATOCHI; Subhadip BISWAS	
			PP2874	A Simulation Study on the Interaction between the Land-Access Function for Motor Vehicles and the Walkability for Pedestrians in Urban Streets	Azusa TORIUMI	Azusa TORIUMI	The University of Tokyo	Azusa TORIUMI; Kosuke KASAHARA; Takashi OGUCHI	
			PP2761	Calibrating Car-following Models for Urban Traffic Using Top-view Trajectory Data	K.I. WONG	Ka Io WONG	National Yang Ming Chiao Tung University	Linh Thanh TRINH; Ka Io WONG; Bernard C.K. KAO; R.W. JENG; W.K. KU	
			PP2801	Gap Acceptance at U-turn Median Openings – A Case Study in Hanoi, VietNam.	Tien Dung CHU	Tien Dung CHU	University of Transport and Communications, Vietnam	Tien Dung CHU; Tien Dung CHU; Danh Hoi TRAN	
90.20: Traffic Flow Analysis									
Session Chair: K. Ramachandra RAO									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
24	Sep. 12 (Sun)	16:50-18:20 JST	PP2855	Gap Acceptance Analysis on Uncontrolled Three-Legged Intersection	Andyka KUSUMA	Andyka KUSUMA	Universitas Indonesia	Andyka KUSUMA; Faisal Brahmanusya AZIS; Robby Yudo PURNOMO; Tri TJAHJONO	
			PP3058	Characterizing Start-Up Lost Times in Metro Manila, Philippines	Kristen ROQUEL	Kristen Ian Daniel Zafra ROQUEL	De La Salle University, Manila	Michael Jeffrey CHUAUNSU; Raphael Christian DOMINGO; Ralph Philippe PAYUMO; Louie Franz ZAMORA; Kristen Ian Daniel Zafra ROQUEL	
			PP3132	A Study on Improvement of Urban Traffic Flow at Major Intersection in Phnom Penh; Neakvovan Intersection Case Study	Visal CHHENG	Visal CHHENG	Institute of Technology of Cambodia	Visal CHHENG; Pharith PHENG; Veng Khleang PHUN	
			PP2748	Analysis of the Single-Regime Speed-Density Fundamental Relationships for Varying Spatiotemporal Resolution Using Zen Traffic Data	Garima DAHIYA	Garima DAHIYA	Tokyo Institute of Technology	Garima DAHIYA; Yasuo ASAKURA; Wataru NAKANISHI	
90.80: ITS									
Session Chair: Yen-Yu CHEN									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
37	Sep. 13 (Mon)	09:00-10:30 JST	PP3064	Travel Time Prediction on Urban Roadways Using ANNs with Neighboring Sections Relationship	Porntep PUANGPRAKHON	Porntep PUANGPRAKHON	Mahanakorn University of Technology NARUPITI	Porntep PUANGPRAKHON; Sorawit NARUPITI	
			PP2964	Travel Time Prediction on Links with and without Point Detectors on Urban Roads	Ang Li	Ang Li	The Hong Kong Polytechnic University	Ang Li; William H. K. LAM; Mei Lam TAM; Ren Xin ZHONG; Wei MA	
			PP2843	Modeling Multi-Objective Path-Finding Problems for Road Networks with Multiple Sources of Uncertainties	Mei Lam TAM	Mei Lam TAM	The Hong Kong Polytechnic University	Xiao-Wei CHEN; Bi Yu CHEN; Mei Lam TAM; William H.K. LAM; Wei MA; S.C. WONG;	
			PP3063	Development of a Method for Estimating Road Surface Condition in Winter Using Random Forest	Yoshiaki TAKASAKI	Yoshiaki TAKASAKI	Nagoka University of Technology	YOSHIAKI TAKASAKI; Miguel SALDANA; Jun ITO; Kazushi SANO	
100.40: Evaluation on Safety Measures									
Session Chair: Bhargab MAITRA									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
50	Sep. 13 (Mon)	10:40-12:10 JST	PP3024	Effect of the Multicollinearity of Interaction Terms on the Performance of the ANN Model	Celso Luis FERNANDO	Celso Luis FERNANDO	Ehime University	Celso Luis FERNANDO; Toshio YOSHII; Takahiro TSUBOTA; Hirotsoshi SHIRAYANAGI	
			PP2877	Audit-based Comparison of Safety Deficiencies at Signalized Intersections: Lessons Learnt from India and Germany	Kinjal BHATTACHARYYA	Kinjal BHATTACHARYYA	Gustave Eiffel University	Mohd Shabbiruddin Khan MIFTAH; Kinjal BHATTACHARYYA; Bhargab MAITRA; Manfred BOLITZE	
			PP2851	Star Rating for Schools (SR4S): The Case of Zamboanga and Valenzuela Cities in the Philippines	Sahid A. KAMID	Glenn Simon Dayrit LATONERO	University of the Philippines Diliman	Glenn Simon Dayrit LATONERO; Sahid KAMID; Ricardo SIGUA; Jose Regin REGIDOR	
			PP2885	Pre-Causation Analysis Based on Stochastic Uncertainty to Reduce Tacit Assumption on Mitigation Measurement of Non-Compliance Runway Strip	Hendri SAPUTRA	Hendri SAPUTRA	Universitas Indonesia	Hendri SAPUTRA; Sutanto SOEHODHO	
			PP2816	Improving the Rural Areas Spatial Accessibility of Emergency Medical Resources	Chih Peng CHU	Chien Chu LU	National Dong Hwa University	Chih Peng CHU; Cheng Chieh CHEN; Shu Ping NIOU; Chien Chu LU	

100.10: Accident Analysis Session Chair: Tony NN SZE						
Technical Session - 5	Session Number	Day	Time	Paper ID	Article Title	Presenter
63	Sep. 13 (Mon)	13:10-14:40 JST		PP3166	Late Recognition and Conspicuity Treatments: An In-depth Study into Bicycle Safety	Rahman ABDUR
				PP2931	Factors Associated with Motorized Two-Wheeler Crashes in Delhi, India: Insights from Analysis of Crash Prone Zones during 2016-2018	Anurag THOMBRE
				PP2905	Analysis of Road Traffic Safety in Mongolia	Bayarsaikhan BAYASGALAN
				PP2891	Assessing Crash Risks of Unsignalized Intersections in the Absence of Safety-Critical Data	Moinul HOSSAIN
Technical Session - 6	Session Number	Day	Time	Paper ID	Article Title	Presenter
76	Sep. 13 (Mon)	15:00-16:30 JST		PP3068	Traffic Flow Prediction of Expressway Bottlenecks by an Attention Long Short-Term Memory Model	Xingwei LIU
				PP2932	Analysis of Traffic Conditions on Expressways and Ordinary Road Network during Incident Congestion with Road Closures using Detector Data and Probe Data	Fuma IKEYA
				PP2865	Relationship between Time Headway and Speed in Malaysia Urban Arterial Road	Fifie Haniezhah HAMDAN
				PP2800	Certain Types of Vehicles in Heterogeneous Traffic in India Tend to Gather	Akhiho NAGAHAMA
				PP2778	The Effect of Heavy Vehicles Composition and Road Gradient Simultaneously on Traffic Performance	Nahry YUSUF
Technical Session - 7	Session Number	Day	Time	Paper ID	Article Title	Presenter
89	Sep. 13 (Mon)	16:50-18:20 JST		PP2795	Risk Assessment of Road Intersections in Colombo Suburban	Niranga AMARASINGHA
				PP2743	An Empirical Study of Taxi Crashes in Singapore	Liujiang KANG
				PP2727	Alignment Indices as a Tool to Evaluate Safety on Multilane Highways in India	Sudipa CHATTERJEE
				PP2939	Distinctions between Older Drivers At-fault and Not-at-fault Crashes: A Rule-based Approach	Shih-Hsuan HUANG
Technical Session - 8	Session Number	Day	Time	Paper ID	Article Title	Presenter
102	Sep. 14 (Tue)	10:40-12:10 JST		PP3108	Construction of Driver Identification Method using Driving Behavior at Intersections	Kota MIYAUCHI
				PP3107	Research on Relationship between Driving Ability and Cognitive Impairment of Elderly Driver	Kota MIYAUCHI
				PP2886	Acceptability of Limited License for Elderly Drivers	Yasuhiro MIMURA
				PP2883	Effects of Time-Gap Settings of Adaptive Cruise Control (ACC) on Driver's Risk Feeling Estimated by the Car-Following Situation	Shuhei WADA
				PP3184	Gamified E-learning Application to Improve (Motor)Cycling Knowledge & Skills of Vietnamese Adolescents	Hoang Nam LE

Technical Session - 9		100/20: Driving Behavior and Safety Session Chair: Haojie Rocky Li						
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors
115	Sep. 14 (Tue)	13:00-14:30 JST	PP3033	Areas of Intervention for Enhancing the Knowledge of Safe Driving based on Trainers' Perception: An Experience in West Bengal, India	Swati MAITRA	Swati MAITRA	Indian Institute of Technology Kharagpur	Sri Kiran ANNAM; Munavar Farooz CHERANCHERY; Archita CHAKRABORTY; SWATI MAITRA
			PP2904	Impact of Mobile Phone Use on Safety of Pedestrians at Walkways	Niranga AMARASINGHA	Niranga AMARASINGHA	Sri Lanka Institute of Information Technology	M. Dinakara GUNARATHNE; Niranga AMARASINGHA
			PP3023	Analysis on the Driving Behavior of Old Drivers by Driving Recorder GPS Trajectory Data	Yuanfang ZHU	Yuanfang ZHU	Nagoya University	Yuanfang ZHU; Melan JIANG; Toshiyuki YAMAMOTO
			PP3213	An Analysis of the Effectiveness of Speed Enforcement on Residential Roads Based on Using Vehicle Probe Data	Ryuma HASHIMOTO	Ryuma HASHIMOTO	Toyohashi University of Technology	Ryuma HASHIMOTO; Kojiro MATSUO; Nao SUGIKI
			PP3217	Drivers' Yielding Behaviors and Rules for Pedestrians at Two-stage Crossings on Roads	Kunhiro ADACHI	Kunhiro ADACHI	Nagoya Institute of Technology	Kunhiro ADACHI; Koji SUZUKI; Tatsuto SUZUKI

Online Meeting room L									
100.10: Accident Analysis									
Session Chair: Miho SEIKE									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
12	Sep. 12 (Sun)	13:20-14:50 JST	PP3003	Effect of Road Users' Behavior and Road Network Characteristics on Road Safety	Daw KYANG	Daw KYANG	Yangon Technological University	Daw KYANG	
			PP2921	A Study of Determining the Speed of Vehicles in the Traffic Accident Analyses	Ganjargal OSORKHUU	Ganjargal OSORKHUU	Mongolian University of Science and Technology	Ganjargal OSORKHUU; Bayarsaikhan BAYASGALAN	
			PP3169	Modelling Runoff Risk Probability of Drivers using Vehicle Control Measures along Horizontal Curves of Two-lane Rural Highways	Tushar CHOUDHARI	Tushar CHOUDHARI	Indian Institute of Technology Bombay	Tushar CHOUDHARI; Avijit MAJI	
			PP2997	Accident Blackspots Study and Traffic Accident Costs Analysis of Highway	Moe Thet Thet AYE	Moe Thet Thet AYE	Yangon Technological University	Moe Thet Thet AYE	
100.10: Accident Analysis									
Session Chair: Yi-Shih CHUNG									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
25	Sep. 12 (Sun)	16:50-18:20 JST	PP2990	Identification of Risk Factors and Safety Issues using Police Reported Crash Data: An Experience in the State of West Bengal, India	Abhishek CHAKRABORTY	Abhishek CHAKRABORTY	Indian Institute of Technology Kharagpur	Abhishek CHAKRABORTY; Dipanjan MUKHERJEE; Sudipa CHATTERJEE; Sudeshna MITRA; Bhargab MAITRA	
			PP2890	Assessing Countermeasure Effects for Reducing Pedestrian Crash Risk at Urban Intersections: An Experience in Kolkata City, India	Dipanjan MUKHERJEE	Dipanjan MUKHERJEE	Indian Institute of Technology Kharagpur	Dipanjan MUKHERJEE; Sudeshna MITRA	
			PP2848	Risk Analysis of Pedestrian and Bicycle Accidents at Intersections of Toyohashi City Using Empirical Bayes Method	Mozam Irshad CHATTHA	Mozam Irshad CHATTHA	Toyohashi University of Technology	Mozam Irshad CHATTHA; Kojiro MATSUO; Nao SUGIKI	
			PP3167	Validation of an Identification Method for ETC2.0 Probe Information	Xuesong GUO	Xuesong GUO	National Institute for Land and Infrastructure Management Ministry of Land, Infrastructure, Transport and Tourism, Japan	Xuesong GUO	
			PP3067	Identifying Causes for Urban Road Traffic Accidents using Combined Proactive and Reactive Approaches of Road Safety - Lessons Learnt	Bhargab MAITRA	Bhargab MAITRA	Indian Institute of Technology Kharagpur, India	Srikanth KENCHUGUNDU; Prashant PRASAD; Meenu FRANCIS; Bhargab MAITRA	
100.20: Driving Behavior and Safety									
Session Chair: Kun-Feng (Ken) WU									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
38	Sep. 13 (Mon)	09:00-10:30 JST	PP3005	AMID COVID-19: P-hailing Riders' Behaviours and Consequences to their Safety and Health AMID COVID-19	Noor Azreena KAMALUDDIN	Noor Azreena KAMALUDDIN	Universiti Teknologi MARA	Noor Azreena KAMALUDDIN; Zulzaimuddin ZAKARIA; Wardat HASHIM; Ahmad Kamil ARSHAD	
			PP2976	Driving Style Analysis of Car Drivers Using Real-Time Driving Data – An Unsupervised Approach	Jahnavi Y	Digvijay S. PAWAR	IIT Hyderabad	Jahnavi YARLAGADDA; Digvijay PAWAR	
			PP2925	Effects of Active Secondary Tasks on Drivers' Attention and Perceived Time under Traffic Congestion	Daichi KIMURA	Daichi KIMURA	Nagoya University of Technology	Daichi KIMURA; Kiichiro HATOYAMA; Kazushi SANO; Tsubasa MATSUMURA	
			PP3205	Detecting Aggressive Driving Behaviors of Autonomous Vehicles using Real-Road Data of Pangyo Zero City in Republic of Korea	Younghoon SEO	Younghoon SEO	Advanced Institutes of Convergence Technology, South Korea	Younghoon SEO; Donghyun LIM; Hyungjoo KIM	
			PP3212	Analysis of the Relationship between Arrow Feather Road Markings and Users' Behaviors at a Roundabout Located in Government District in Japan	Hiroki ITO	Hiroki ITO	Nagoya Institute of Technology	Hiroki ITO; Koji SUZUKI	
100.20: Driving Behavior and Safety									
Session Chair: Leksmono Suryo PUTRANTO									
Session Number	Day	Time	Paper ID	Article Title	Presenter	Corresponding Author	Corresponding Author's Institution	Authors	
51	Sep. 13 (Mon)	10:40-12:10 JST	PP2846	Evaluating the Accident Risk Level of Truck Drivers Based on Aberrant Driving Behavior	Yu-Wen LO	Yu-Wen LO	National Cheng Kung University	Chien-Hung WEI; Yu-Wen LO	
			PP2841	Red-light Running in Developing Countries – The fact: A Case Study in Hanoi, Vietnam	Tien Dung CHU	Tien Dung CHU	University of Transport and Communications, Vietnam	Tien Dung CHU; Tien Dung CHU; Tuan Anh BUI; Quang Phue NGUYEN	
			PP2908	The Development of Indonesian Traffic Locus of Control	Leksmono Suryo PUTRANTO	Leksmono Suryo PUTRANTO	Tarumanagara University	Leksmono Suryo PUTRANTO	
			PP3190	Analysis of Influencing Factors on Traffic Culture Index Using Random Forest	Hyunsu PARK	Shin Hyoung PARK	University of Seoul	Hyunsu PARK; Hyun Su PARK; So Eun PARK; Oh Hoon KWON; Shin Hyoung PARK	

Plenary Sessions

(1) Keynote Speeches (281 participants)

Jaehak Oh



President, EASTS
President, Korea Transport Institute (KOTI)

“Future of Mobility: Automation, Decarbonization and Integration”

Dr. Oh graduated with a bachelor's degree in Industrial Engineering from Seoul National University and obtained his Ph.D. degree for transport studies at University College London in 1990. Since 1992, he has been working for Korea Transport Institute (KOTI), taking a lectureship from 1994 to 1995 at Tokyo Institute of Technology. At present, Dr. Oh has been working as the president of KOTI since 2017. During the last 30 years, he has project managed more than 70 of KOTI's transport projects. He has played a key role in innovating transport systems for future mobility and formulating infrastructure policies for the Korean government. Dr. Oh is President of EASTS (Eastern Asia Society for Transportation Studies) and had served as Chairperson of the International Scientific Committee of EASTS from 2015 to 2019. Also, he is a Steering Committee Member of WCTR-Society.

Akimasa Fujiwara



Chair, Conference Committee of EASTS 2021
Professor, Hiroshima University

“Quality Transport towards Peace and Sustainability in Asia: Beyond the New Normal”

Dr. Akimasa Fujiwara obtained his doctor degree of engineering from Hiroshima University, Japan in 1993. He is now a vice president of Hiroshima University and a professor at the Graduate School of Advanced Science and Engineering, after acting as a research fellow at the University of Tokyo and Imperial College. He is a member of TRB, IATBR, WCTRS, and some domestic societies in Japan. He is now serving as the chair of EASTS International Conference 2021. His research interests cover a range of traffic and transport-related areas including transportation planning and policy evaluation, activity-based travel demand modeling, sustainable urban and regional development, and evaluation/design of innovative urban and transportation policies. He authored more than 400 reviewed papers in related fields that were published reputed international and national journals. He was rewarded with 17 paper prizes including Best Paper Prize of EASTS, 2017.

Tae Hoon Oum



President, WCTRS
Professor, University of British Columbia

“The COVID-19 Pandemic Effects on Economy and Transport Sector: Focus on Air Transport”

Dr. Tae Hoon Oum, President-the WCTR Society www.wctrs-society.com; UPS chair Professor Emeritus, Sauder School of Business, University of British Columbia, Canada. Founding President of the Air Transport Research Society (ATRS), 1998-2014. His research interests are economic, policy & strategic analysis of transport and network industries. Recent focus includes airline strategic alliance, and analysis of airports and other transport infrastructure. Published 35 books, and 250+ papers and major reports on economics, regulatory and globalization strategies for air transport and other network industries. Delivered 450+ keynote speeches/invited lectures in six continents.

Jamie Leather



Chief of Transport Sector Group, Asian Development Bank (ADB)

“Data and Technology to Enable Transport Transformation”

Mr. Jamie Leather is the Chief of the Transport Sector Group at the Asian Development Bank. Mr. Leather has over 30 years of experience in transport, working internationally with development organizations, governments, private sector, and research institutions. Mr. Leather leads ADBs transport sector and overseas the strategic direction of ADBs knowledge, technical and financial support to its developing member countries, private sector clients, and partners. Mr. Leather obtained his Master of Science in transport planning and engineering from the Institute of Transport Studies, Leeds University (UK).



(2) EASTS-ADBI-WCTRS joint session (204 participants)

organized by Asian Development Bank Institute (ADBI)

The 14th International Conference of Eastern Asia Society for Transportation Studies (EASTS)
Hiroshima, Japan on September 12-15, 2021

EASTS2021 PLENARY SESSION WCTRS-ADBI-EASTS SESSION COVID-19 and Transport Policy in Asian Developing Countries

Date September 12, 2021

Time 15:00-16:30

Chair Yoshitsugu Hayashi and Junyi Zhang

Outline

How can the transport sector help control the COVID-19 pandemic? How can the transport sector be recovered from the pandemic and re-built better after the pandemic? How can developed countries better help developing countries? Answering these questions is especially crucial in Asia, which include many developing countries.

WCTRS, ADBI and EASTS will jointly organize one of the three plenary sessions in the 14th International Conference of Eastern Asia Society for Transportation Studies (EASTS) in Hiroshima, Japan on September 12-15, 2021.

Focusing on COVID-19 and transport policy in Asian developing countries, this session will invite experts to discuss,

- (1) how has the COVID-19 imposed impacts on the transport sector
- (2) what our society had prepared for this pandemic,
- (3) what our society has taken measures to fight against the pandemic,
- (4) how to recover from the pandemic, and
- (5) how to rebuild our society better after the pandemic.

Opening remarks

Prof. Yoshitsugu Hayashi
Chubu University, Japan; Chair, WCTRS COVID-19 Task Force

Keynote speech

*Impacts of COVID-19 on transport in Asian Developing countries and policy responses:
Review and perspectives*

Dr. K. E. Seetharam
Asian Development Bank (ADB) Institute

EASTS2021 PLENARY SESSION

WCTRS-ADBI-EASTS SESSION

COVID-19 and Transport Policy in Asian Developing Countries

Panel discussion

Chaired by Prof. Junyi Zhang

Hiroshima University, Japan; Co-chair, WCTRS COVID-19 Task Force

Topics by panelists

1. *An India perspective:* Velmurugan Senathipathi, Prof., CSIR – Central Road Research Institute, India
2. *A Philippines perspective:* Hussein Sinsuat Lidasan, Prof., School of Urban and Regional Planning, The University of the Philippines
3. *A logistics perspective:* Aseem Kinra, Prof., Global Supply Chain Management, University of Bremen, Germany
4. *Future mobility:* Takashi Oguchi, Prof., Institute of Industrial Science, the University of Tokyo
5. *A cross-sectoral policymaking:* Prof. Yoshitsugu Hayashi
6. *International cooperation:* Dr. K. E. Seetharam

Closing remarks

Dr. Jaehak OH

President of the EASTS

President of Korea Transport Institute



(3) Panel Discussion (109 participants)

2021 EASTS Conference Plenary Session Program Title: "Transforming Transportation in the Era of Climate Change Crisis and 4th Industrial Revolution"

This panel will examine the impacts of climate change and the fourth industrial revolution on mobility transformation and identify policies for responding to the changes caused by such factors. Governments around the world have been implementing policies on carbon neutral economy, and this can be done by balancing emissions of carbon dioxide with its eliminating emissions from society. Due to this concern about post-carbon economy, people are pushed the use of public transport and shared transport.

Simultaneously, mobility is being transformed with the assistance of newly emerging technologies such as Internet of Things, Artificial Intelligence, Big Data, and Cloud Systems. Automation and electrification are consequences of the fourth industrial revolution. There is a strong push towards mobility integration including walking, bicycling, and personal mobility devices which are becoming more popular as there are concerns on climate change and health issues while using public transport.

Key questions:

- What are the impacts of climate change crisis on transport industry and travel behaviour?
- What are the likely future changes to transport in era of climate change crisis?
- What technology and policy innovations are anticipated in the fourth industrial revolution era? What topics of study, education and training are necessary in the field of transportation in light of these changes?
- What policies are necessary to ensure inclusive and sustainable development in transport under the fourth industrial revolution era?

*****Session is to be held online (Zoom).**

*****Points of discussion to the four key questions above are kindly requested in advance.**

TIME AND DATE: September 14, 2021, 09:00 (JST)

SESSION FORMAT

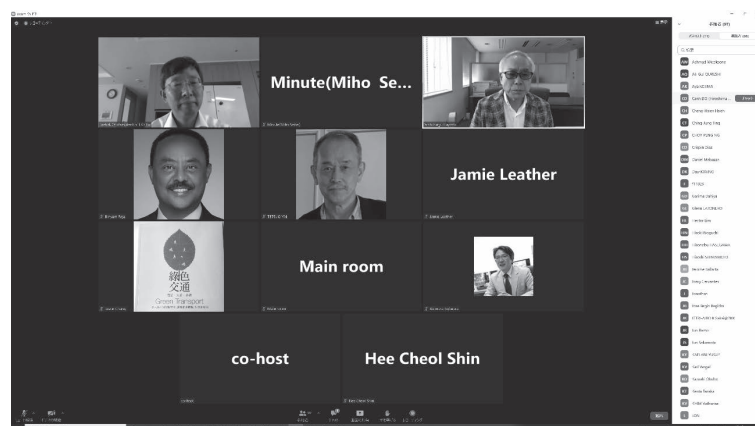
Introduction (5-10 minutes)

- Introduction by the moderator, **Jaehak Oh**, President, Eastern Asia Society for Transportation Studies
President, Korea Transport Institute

Panel discussion (60 minutes, 5 designated speakers – to be contacted and fixed)

- **Yoshitsugu Hayashi**, Former President, World Conference on Transport Research Society
Professor, Chubu University
- **Tetsuo Yai**, Former President, Eastern Asia Society for Transportation Studies
Professor, Tokyo Institute of Technology
- **Jason Chang**, Vice-president, Eastern Asia Society for Transportation Studies
Professor, National Taiwan University
- **Jamie Leather**, Chief of Transport Sector Group, Asian Development Bank
- **Binyam Reja**, Global Practice Manager and Acting Global Director for Transport, World Bank

Final remarks by the moderator (5 minutes)



(4) EASTS-ADBI Joint Session



ADBI-EASTS Special Session(s) in 14th International Conference of EASTS at Hiroshima, Japan 12-15 Sept. 2021



Plenary Session for the Launch of Edited Volume on "Frontiers in HSR Development"

Background:

Asia needs high-quality infrastructure development projects to catalyze its economy and improve the quality of life. Asian countries are also seeking policy measures for adopting advanced transportation technologies such as High-Speed Rail (HSR), and attracting private sector investment in transport infrastructure to fill the financing gaps. The COVID-19 pandemic has impacted the transportation networks and has further emphasized on the urgent need of interdisciplinary research addressing the issues related to sustainable transportation infrastructure development. In March 2020, ADBI in association with WCTR Society established a Special Interest Group (SIG) on High-Speed Rail: Policy, Investments and Impacts (WCTRS-SIG: A4). Despite the challenges posed by COVID-19 outbreak, organized a 3-part webinar series on HSR between May-June 2020 in order to progress the research activities.

Subsequently, under the auspices of this group, and along with the support of Center for Sustainable Development and Global Smart City and Chubu Institute for Advance Studies at Chubu University, Japan, a 10-session international conference on "Transport Infrastructure Development, Spillover Effects and Quality of Life" was organized virtually between 12-16 October 2020. This conference also commemorated the 80th anniversary of Chubu University (Japan). The objective of this conference was to enhance capacity and increase knowledge among senior officials and experts on critical issues related to the planning, implementation, operation, and management of transport infrastructure in Asia, particularly in the context of HSR development. The conference witnessed participation of over 70 speakers and about 150 registered attendees including various academics, policy makers, practitioners, and students. All the 10 sessions served as a high-level platform for showcasing of cutting-edge policy research, and exchange of experiences from around the world. Over 20 scholarly papers were presented in various sessions of this conference.

These papers along with the expert dialogues/discussions from the 10 thematic sessions, are published in the edited volume by ADBI Press, titled – "Frontiers in High-Speed Rail Development", which is co-edited by Yoshitsugu Hayashi, Werner Rothengatter, K E Seetha Ram. This edited volume aims to document the best practices and state-of-the-art policy focused research, from across the globe. These cover a wide range of pertinent topics namely – COVID-19 impacts on transport and logistics, frontiers in the estimation of spillover and wider-economic impacts, their quality-of-life implications, inter-modal competition and cooperation, transport-urban development interactions and capacity building for engineering, research, innovation, and construction technology management for sustainable development of transportation infrastructure. The table of contents (TOC) of this edited volume can be found in the appendix for the purpose of reference of panelists and guests invited to the session.

This edited volume is planned to be launched in this ADBI-EASTS Special Session in 14th International Conference of Eastern Asia Society of Transport Studies (EASTS) at Hiroshima, Japan. Several roundtable discussions are planned on spotlight themes from this edited volume to build an agenda and pave way for future works.

Co-organizers: ADBI, EASTS, Chubu University, WCTRS SIG A4

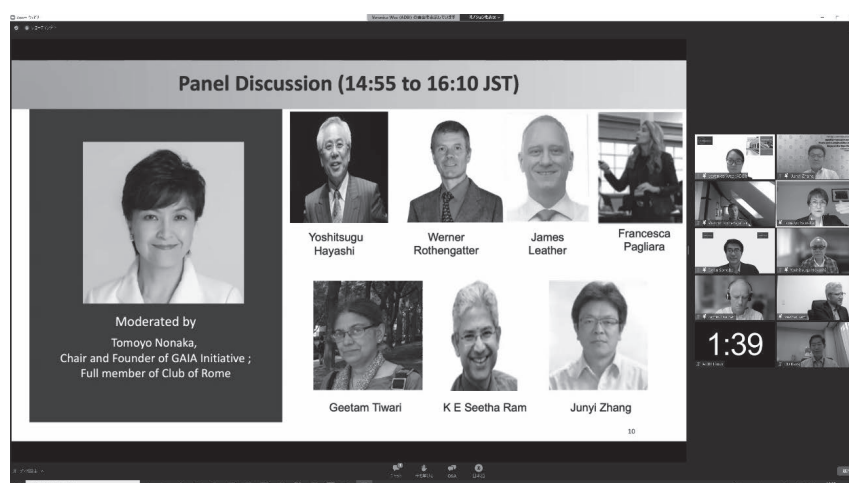
Session Co-chairs: Yoshitsugu Hayashi, Werner Rothengatter, K E Seetha Ram

Session Moderator : TV Presenter/Anchor

Simultaneous translation : English- Japanese (MIK International)

Secretariat: Ayushman Bhatt, Veronica Ern Hui Wee, Deepanshu Agarwal, Mie Saito (ADBI); Junyi Zhang (EASTS and Hiroshima University, Japan)

Output: Launching of edited volume in presence of the appropriate academic and research fraternity, publicizing ongoing initiatives of ADBI on relevant themes that are covered in the edited volume, and build networks with EASTS for future collaborative works.



Closing Ceremony (254 participants)

■ Conference Committee Prompt Conference Report

Quality Transport towards Peace and Sustainability in Asia: Beyond the New Normal

The 14th EASTS International Virtual Conference
September 12-14, 2021
Hiroshima, Japan



EASTS 2021 Conference Report

Chair of Conference Committee
Akimasa Fujiwara



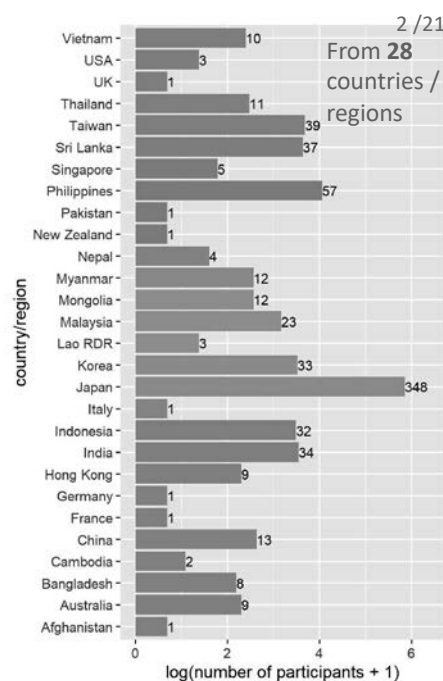
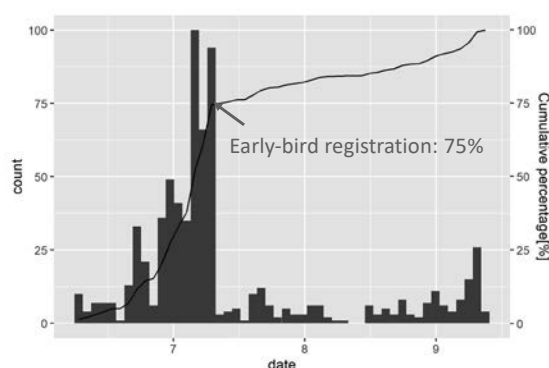
STATISTICS

Registration information

Number of registrants: **711**

General: **419** / Student: **292**

(232 registrants had a will to join the conference onsite)



Conference Program

Plenary sessions: 4

1. Keynote Speeches
2. EASTS-ADBI-WCTRS
3. Panel Discussion
4. EASTS-ADBI

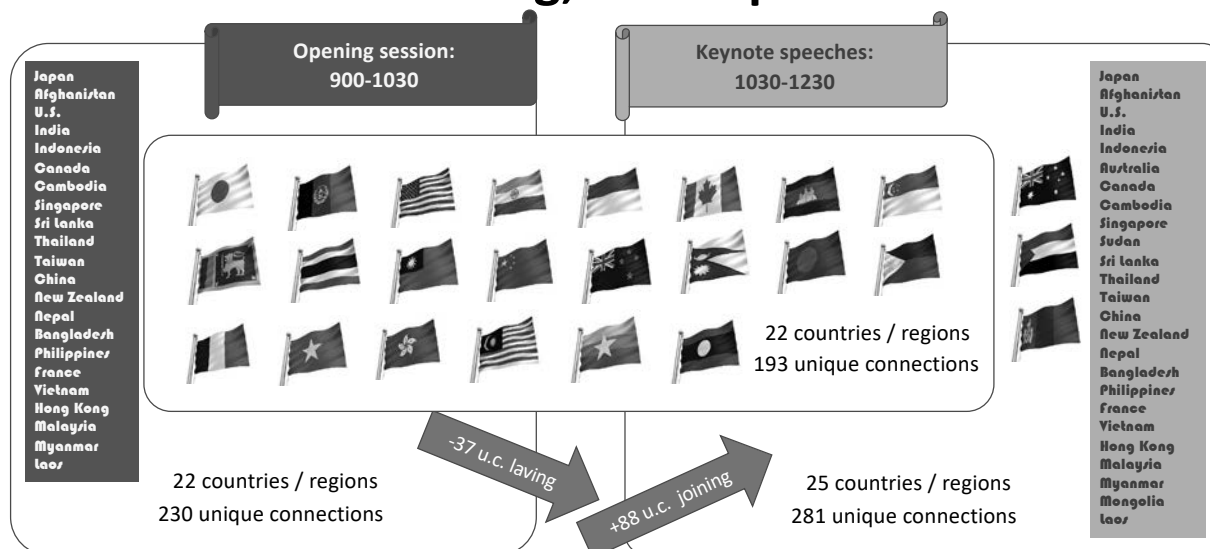
IRG sessions: 13

Technical sessions: 94

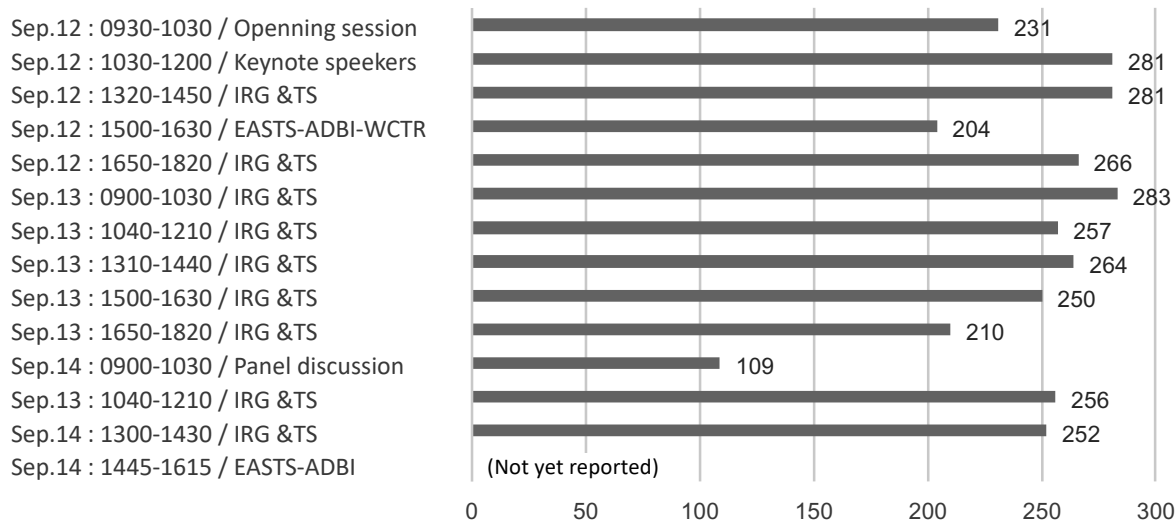
408 papers were presented.

Day and Time	Session		Virtual room_A	Virtual room_B	Virtual room_C	Virtual room_D	Virtual room_E	Virtual room_F	Virtual room_G	Virtual room_H	Virtual room_I	Virtual room_J	Virtual room_K	Virtual room_L	Virtual room_M	Virtual room_N	Virtual room_O	Virtual room_P	Virtual room_Q	Virtual room_R	Virtual room_S	Virtual room_T	Virtual room_U	Virtual room_V	Virtual room_W	Virtual room_X	Virtual room_Y	Virtual room_Z	
Day 5: September 15																													
13:00-14:00 JST																													
Day 6: September 16																													
09:10-10:20 JST	Opening Session																												
10:20-11:30 JST	Plenary Session 1	Keynote Speeches																											
11:30-12:30 JST	Lunch																												
13:30-14:40 JST	Technical Session - 1		1001-A 1002-12:20:17	1001-B 1003-14:00:18	1010 1201-10	1011 1202-10	1012 1203-10	1013 1204-10	1014 1205-10	1015 1206-10	1016 1207-10	1017 1208-10	1018 1209-10	1019 1210-10	1020 1211-10	1021 1212-10	1022 1213-10	1023 1214-10	1024 1215-10	1025 1216-10	1026 1217-10	1027 1218-10	1028 1219-10	1029 1220-10	1030 1221-10	1031 1222-10	1032 1223-10	1033 1224-10	1034 1225-10
14:50-15:00 JST	Break																												
15:00-16:00 JST	Plenary Session 2	Keynote Speeches																											
Day 7: September 17																													
09:10-10:20 JST	Opening Session																												
10:20-11:30 JST	Plenary Session 3	Keynote Speeches																											
11:30-12:30 JST	Lunch																												
13:30-14:40 JST	Technical Session - 2		1001-A 1002-12:20:17	1001-B 1003-14:00:18	1010 1201-10	1011 1202-10	1012 1203-10	1013 1204-10	1014 1205-10	1015 1206-10	1016 1207-10	1017 1208-10	1018 1209-10	1019 1210-10	1020 1211-10	1021 1212-10	1022 1213-10	1023 1214-10	1024 1215-10	1025 1216-10	1026 1217-10	1027 1218-10	1028 1219-10	1029 1220-10	1030 1221-10	1031 1222-10	1032 1223-10	1033 1224-10	1034 1225-10
14:50-15:00 JST	Break																												
15:00-16:00 JST	Plenary Session 4	Keynote Speeches																											
Day 8: September 18																													
09:10-10:20 JST	Opening Session																												
10:20-11:30 JST	Plenary Session 5	Keynote Speeches																											
11:30-12:30 JST	Lunch																												
13:30-14:40 JST	Technical Session - 3		1001-A 1002-12:20:17	1001-B 1003-14:00:18	1010 1201-10	1011 1202-10	1012 1203-10	1013 1204-10	1014 1205-10	1015 1206-10	1016 1207-10	1017 1208-10	1018 1209-10	1019 1210-10	1020 1211-10	1021 1212-10	1022 1213-10	1023 1214-10	1024 1215-10	1025 1216-10	1026 1217-10	1027 1218-10	1028 1219-10	1029 1220-10	1030 1221-10	1031 1222-10	1032 1223-10	1033 1224-10	1034 1225-10
14:50-15:00 JST	Break																												
15:00-16:00 JST	Plenary Session 6	Keynote Speeches																											
Day 9: September 19																													
09:10-10:20 JST	Opening Session																												
10:20-11:30 JST	Plenary Session 7	Keynote Speeches																											
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13:30-14:40 JST	Technical Session - 4		1001-A 1002-12:20:17	1001-B 1003-14:00:18	1010 1201-10	1011 1202-10	1012 1203-10	1013 1204-10	1014 1205-10	1015 1206-10	1016 1207-10	1017 1208-10	1018 1209-10	1019 1210-10	1020 1211-10	1021 1212-10	1022 1213-10	1023 1214-10	1024 1215-10	1025 1216-10	1026 1217-10	1027 1218-10	1028 1219-10	1029 1220-10	1030 1221-10	1031 1222-10	1032 1223-10	1033 1224-10	1034 1225-10
14:50-15:00 JST	Break																												
15:00-16:00 JST	Plenary Session 8	Keynote Speeches																											
Day 10: September 20																													
09:10-10:20 JST	Opening Session																												
10:20-11:30 JST	Plenary Session 9	Keynote Speeches																											
11:30-12:30 JST	Lunch																												
13:30-14:40 JST	Technical Session - 5		1001-A 1002-12:20:17	1001-B 1003-14:00:18	1010 1201-10	1011 1202-10	1012 1203-10	1013 1204-10	1014 1205-10	1015 1206-10	1016 1207-10	1017 1208-10	1018 1209-10	1019 1210-10	1020 1211-10	1021 1212-10	1022 1213-10	1023 1214-10	1024 1215-10	1025 1216-10	1026 1217-10	1027 1218-10	1028 1219-10	1029 1220-10	1030 1221-10	1031 1222-10	1032 1223-10	1033 1224-10	1034 1225-10
14:50-15:00 JST	Break																												
15:00-16:00 JST	Plenary Session 10	Keynote Speeches																											
Day 11: September 21																													
09:10-10:20 JST	Opening Session																												
10:20-11:30 JST	Plenary Session 11	Keynote Speeches																											
11:30-12:30 JST	Lunch																												
13:30-14:40 JST	Technical Session - 6		1001-A 1002-12:20:17	1001-B 1003-14:00:18	1010 1201-10	1011 1202-10	1012 1203-10	1013 1204-10	1014 1205-10	1015 1206-10	1016 1207-10	1017 1208-10	1018 1209-10	1019 1210-10	1020 1211-10	1021 1212-10	1022 1213-10	1023 1214-10	1024 1215-10	1025 1216-10	1026 1217-10	1027 1218-10	1028 1219-10	1029 1220-10	1030 1221-10	1031 1222-10	1032 1223-10	1033 1224-10	1034 1225-10
14:50-15:00 JST	Break																												
15:00-16:00 JST	Plenary Session 12	Keynote Speeches																											
Day 12: September 22																													
09:10-10:20 JST	Opening Session																												
10:20-11:30 JST	Plenary Session 13	Keynote Speeches																											
11:30-12:30 JST	Lunch																												
13:30-14:40 JST	Technical Session - 7		1001-A 1002-12:20:17	1001-B 1003-14:00:18	1010 1201-10	1011 1202-10	1012 1203-10	1013 1204-10	1014 1205-10	1015 1206-10	1016 1207-10	1017 1208-10	1018 1209-10	1019 1210-10	1020 1211-10	1021 1212-10	1022 1213-10	1023 1214-10	1024 1215-10	1025 1216-10	1026 1217-10	1027 1218-10	1028 1219-10	1029 1220-10	1030 1221-10	1031 1222-10	1032 1223-10	1033 1224-10	1034 1225-10
14:50-15:00 JST	Break																												
15:00-16:00 JST	Plenary Session 14	Keynote Speeches																											
Day 13: September 23																													
09:10-10:20 JST	Opening Session																												
10:20-11:30 JST	Plenary Session 15	Keynote Speeches																											
11:30-12:30 JST	Lunch																												
13:30-14:40 JST	Technical Session - 8		1001-A 1002-12:20:17	1001-B 1003-14:00:18	1010 1201-10	1011 1202-10	1012 1203-10	1013 1204-10	1014 1205-10	1015 1206-10	1016 1207-10	1017 1208-10	1018 1209-10	1019 1210-10	1020 1211-10	1021 1212-10	1022 1213-10	1023 1214-10	1024 1215-10	1025 1216-10	1026 1217-10	1027 1218-10	1028 1219-10	1029 1220-10	1030 1221-10	1031 1222-10	1032 1223-10	1033 1224-10	1034 1225-10
14:50-15:00 JST	Break																												
15:00-16:00 JST	Plenary Session 16	Keynote Speeches																											
Day 14: September 24																													
09:10-10:20 JST	Opening Session																												
10:20-11:30 JST	Plenary Session 17	Keynote Speeches																											
11:30-12:30 JST	Lunch																												
13:30-14:40 JST	Technical Session - 9		1001-A 1002-12:20:17	1001-B 1003-14:00:18	1010 1201-10	1011 1202-10	1012 1203-10	1013 1204-10	1014 1205-10	1015 1206-10	1016 1207-10	1017 1208-10	1018 1209-10	1019 1210-10	1020 1211-10	1021 1212-10	1022 1213-10	1023 1214-10	1024 1215-10	1025 1216-10	1026 1217-10	1027 1218-10	1028 1						

Connection log of participants in the plenary sessions in morning, 12th September



Number of participants



HIGHLIGHTS

Opening Ceremony

7 / 21

9:30-10:00 JST, September 12 (Sun), 2021



9:30~9:40 Opening address

EASTS President LOC Chair (EASTS- Japan President)	Jaehak OH (KOTI) Tohru TAMURA (Hokkai School of Commerce)
--	---

9:40~9:55 Congratulatory speeches by guests of honor (Video messages)

Minister of MLIT President of JICA Governor of Hiroshima Prefecture	Mr. Yoshikazu AKABA Prof. Shinichi KITAOKA Mr. Hidehiko YUZAKI
--	--

9:55~10:00 Welcome speech on behalf of the host institute (Video messages)

President of HU	Prof. Mitsuo OCHI
-----------------	-------------------

Congratulatory and welcome speeches by guests

8 / 21



Kazuyoshi Akaba, Minister, Ministry of Land, Infrastructure, Transport and Tourism (MLIT)



Shinichi Kitaoka, President, Japan International Cooperation Agency (JICA)



Hidehiko Yuzaki, Governor of Hiroshima Prefecture, Japan



Mitsuo Ochi, President, Hiroshima University, Japan

Keynote Speeches

9 / 21

10:30-12:30 JST, September 12 (Sun), 2021



	"Future of Mobility: Automation, Decarbonization and Integration" Jaehak Oh President, Easts President, Korea Transport Institute (Koti)
	"Quality Transport towards Peace and Sustainability in Asia: Beyond the New Normal" Akimasa Fujiwara Chair, Conference Committee of EASTS 2021 Professor, Hiroshima University
	"The COVID-19 Pandemic Effects on Economy and Transport Sector: Focus on Air Transport" Tae Hoon Oum President, WCRTS Professor, University of British Columbia
	"Data and Technology to Enable Transport Transformation" Jamie Leather Chief of Transport Sector Group, Asian Development Bank (ADB)

EASTS-ADBI-WCTRS Joint Session

10 / 21

15:00-16:30 JST, September 12 (Sun), 2021

“COVID-19 and Urban Transport Policy in Asian Developing Countries”



Moderator:

Junyi Zhang (Co-chair, WCTRS COVID-19 Task Force)

Keynote speech:

“Shaping a resilient urban transport for achieving safe and sustainable mobility”

K. E. Seetha Ram (Senior Consulting Specialist, Asian Development Bank Institute (ADBI))

Panelists (6):

Velmurugan Senathipathi (Chief Scientist, Council of Scientific and Industrial Research, Central Road Research Institute, India)

Hussein Sinsuat Lidasan (Professor, School of Urban and Regional Planning, The University of the Philippines)

Jeesun Lee (Director of Logistics Market and Industrial Innovation, Korea Transport Institute (KOTI))

Hironori Kato (Professor, Graduate School of Engineering, The University of Tokyo; The editor-in-chief, Asian Transport Studies (ATS))

Yoshitsugu Hayashi (Chair, WCTRS COVID-19 Task Force, Distinguished Professor, Chubu University)

K. E. Seetha Ram (Senior Consulting Specialist, Asian Development Bank Institute (ADBI))

Panel Discussion

11 / 21

9:00-10:30 JST, September 14 (Tue), 2021

“Transforming Transportation in the Era of Climate Change Crisis and 4th Industrial Revolution”



Moderator:

Jaehak Oh, President, Eastern Asia Society for Transportation Studies (President, Korea Transport Institute)

Panelists (5):

Yoshitsugu Hayashi, Former President, World Conference on Transport Research Society (Professor, Chubu University)

Tetsuo Yai, Former President, Eastern Asia Society for Transportation Studies (Professor, Tokyo Institute of Technology)

Jason Chang, Vice-president, Eastern Asia Society for Transportation Studies (Professor, National Taiwan University)

Jamie Leather, Chief of Transport Sector Group, Asian Development Bank

Binyam Reja, Global Practice Manager and Acting Global Director for Transport, World Bank

EASTS-ADBI Joint Session

14:45-16:15 JST, September 14 (Tue), 2021

“High-Speed Rail (HSR) Development”



Co-Chairs

Yoshitsugu Hayashi

Junyi Zhang

K. E. Seetha Ram

Moderator

Ms. Tomoyo Nonaka(Full Member of The Club of Rome & Chairperson of The Board of Directors, NPO Gaia Initiative)

Panelists

Yoshitsugu Hayashi (Distinguished Professor, Chubu University, Japan)

Werner Rothengatter (Professor, Karlsruhe Institute of Technology, Germany)

K. E. Seetha Ram (Senior Consulting Specialist, ADBI, Japan)

Junyi Zhang (Professor, Hiroshima University, Japan)

James Leather (Chief of Transport Sector, ADB, Manila, Philippines)

Geetham Tiwari (Professor, Indian Institute of Technology Delhi, India)

Pelin Alpkokin (General Manager of Istanbul City Transport Policy Division, Turkey (TBC))

Francesca Pagliara (Professor, University of Naples, Italy)

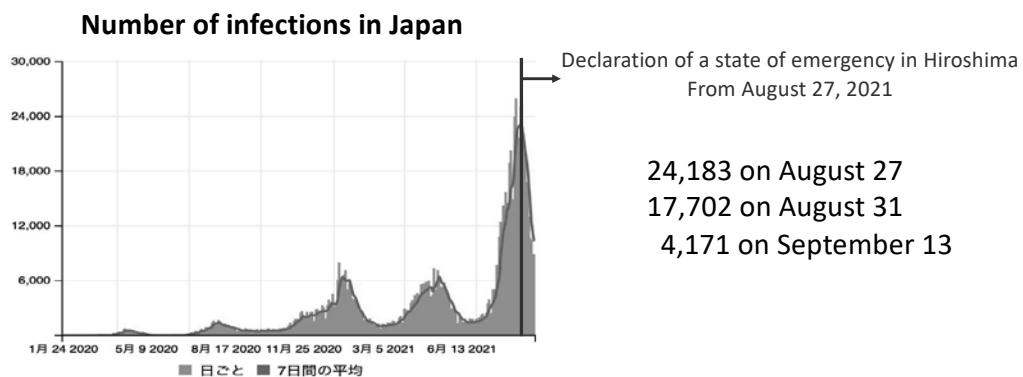
ONLINE CONFERENCE

Online Conference decided on August 31, 2021

14 / 21

Due to the extension of the COVID-19 Emergency Declaration in Japan, it will be changed to the style of "COMPLETELY ONLINE" rather than a hybrid between in-person and online.

- Presentation: Pre-recorded video
- Question and Answer: Realtime online



Prevention of COVID-19 infection at EASTS operation room

15 / 21

- The number of operators: 28 persons
- The total area of operation room: 587m²
(M201, M202, M203, Group work room)
- Space per person: 21.0 m²/person
>> 3.5 m²/person (Sphere standard)

Conference operation

16 / 21



Operation room



Technical session operation



Opening ceremony operation



Prevention of COVID-19

ORGANIZATION

Organization

18 / 21

Local Organizing Committee (2)		
Chair	Tohru TAMURA (Hokkai School of Commerce)	
Secretary General	Shinya HANAOKA (Tokyo Institute of Technology)	
Conference Committee (22)		
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General Secretary	Junyi ZHANG (Hiroshima University)	
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Logistics and venue manager	Masaaki FUSE (Hiroshima University)	
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Event manager	Tadashi ITOH (Hiroshima Institute of Technology)	
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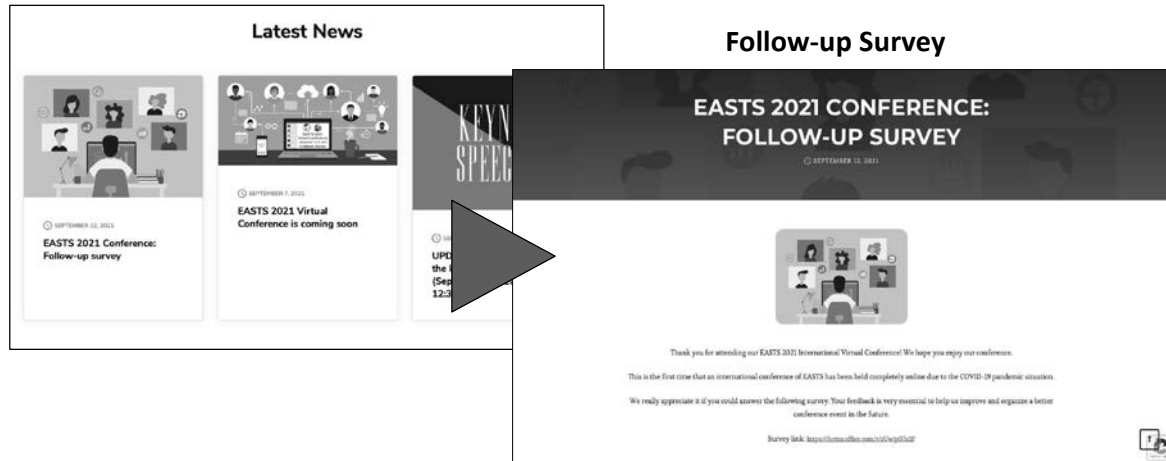
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19 / 21

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	Asian Development Bank Institute (ADBI)	
Conference Co-sponsors (27)		
Gold (8)	Hiroshima University Resilience Research Center (HRRC) Pacific Consultants Co., Ltd. Nippon Engineering Consultants Co., Ltd. Eight-Japan Engineering Consultants Inc.	CTI Engineering Co., Ltd. Fukken Co., Ltd Nippon Koei Co., Ltd. Oriental Consultants Co., Ltd.
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Appreciate 3 minutes to leave your comments!

Front Page of EASTS Conference Website



QR code for follow-up survey!!



THANK YOU

EASTS Hiroshima 2021

ISC Report

Prof. Yu-Chiun CHIOU
ISC Chairperson



OUTLINE

- ❖ Organization of ISC (2020-2021)
- ❖ Paper Submissions
- ❖ Paper Review Results



Organization of ISC (1/3)

❖ ISC Secretariat

ISC Secretariat	Name	Local Society
ISC Chairperson	Prof. Yu-Chiun CHIOU	Taiwan
ISC Vice-chairperson	Prof. Jen-Jia LIN	Taiwan
ISC ATS & Awarding Sub-committee	Prof. Hironori KATO	Japan
ISC Chief Secretariat	Dr. Yishih CHUNG	Taiwan
ISC Secretariat	Mr. Chuan-Hsun WANG	Taiwan
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ISC Chief of Paper Management Sub-committee	Dr. Barbara Y.F. YEN	Taiwan
ISC Paper Management Sub-committee	Mr. YH WANG	Taiwan
ISC Paper Management Sub-committee	Mr. RH HSU	Taiwan



3

Organization of ISC (2/3)

Topic	TGC and Co-TGC	Local Society	No. of Papers	Papers Handled
A. Transportation General	Prof. Fumitaka KURAUCHI Prof. Hiroshi SHIMAMOTO	Japan Japan	63	32 31
B. Transportation Economics and Policy	Prof. Saksith CHALERMPONG	Thailand	34	34
C. Travel Demand Analysis and Forecast	Prof. Kai LIU	China	51	51
D. Logistics and Freight Transportation	Prof. Jason CC LU Prof. Vincent F. YU	Taiwan Taiwan	22	11 11
E. Regional Planning and Environment	Dr. Abdul Azeez Kadar HAMSA	Malaysia	31	31
F. Environment and Climate Change	Prof. Seungjae LEE	Korea	7	7
G. Public Transportation and Active Mobility	Prof. Chien-Hung WEI Dr. Chihung Wu	Taiwan Taiwan	47	24 23
H. Highway Design and Maintenance	Prof. Ghim Ping ONG	Singapore	11	11
I. Road Traffic Engineering	Prof. Bhargab MAITRA Dr. Yu-Ting HSU	India Taiwan	40	20 20
J. Traffic Accident and Safety	Dr. Tony NN SZE Dr. Kun-Feng (Ken) WU	Hong Kong Taiwan	45	23 22
K. Air and Water Transportation	Dr. Ryuichi SHIBASAKI	Japan	12	12
L. Emerging Technologies, New Transport Industries and Their Impacts	Prof. Seungmo KANG	Korea	7	7
P. Practical Themes	Dr. Hoai Nam, VU	Vietnam	6	6



4

Organization of ISC ^(3/3)

❖ ISC Members for Conference in 2015-2021

Domestic Society	2021	2019	2017	2015
Australia	4	4	4	4
Cambodia	0	0	0	1
China	10	5	4	5
Hong Kong	3	3	2	1
India	6	5	4	1
Indonesia	1	0	0	4
Japan	10	11	11	14
Korea	4	13	15	17
Lao PDR	0	0	0	0
Malaysia	4	5	4	4
Mongolia	0	1	1	0
Myanmar	0	0	0	0
New Zealand	4	4	4	1
Philippines	0	0	0	2
Singapore	3	4	4	1
Sri Lanka	10	6	6	-
Taiwan	18	17	14	15
Thailand	4	6	6	8
Vietnam	7	9	9	10
Others	2	3	3	3
Total	90	96	91	91



5

Papers Submissions (by Topic Group)

Topic Groups	2021			2019			2017			2015		
	R	NR	Total	R	NR	Total	R	NR	Total	R	NR	Total
A. Transportation General	63	13	76	45	7	52	49	16	65	29	7	36
B. Transportation Economics and Policy	34	13	47	26	8	34	43	9	52	24	7	31
C. Travel Demand Analysis and Forecast	51	17	68	38	6	44	54	11	65	45	8	53
D. Logistics and Freight Transportation	22	4	26	21	3	24	13	10	23	24	5	29
E. Urban, Regional Planning and Transportation	31	10	41	26	5	31	30	4	34	34	6	40
F. Environment and Climate Change	7	6	13	11	-	11	-	-	-	-	-	-
G. Public Transportation and Active Mobility	47	12	59	47	15	62	58	15	73	74	22	96
H. Highway Design and Maintenance	11	6	17	14	5	19	16	5	21	19	4	23
I. Road Traffic Engineering	40	2	42	27	6	33	39	11	50	45	11	56
J. Traffic Accident and Safety	45	14	59	54	14	68	38	21	59	41	16	57
K. Air and Water Transportation	12	5	17	13	7	20	7	7	14	18	8	26
L. Emerging Technologies and New Transport Industry	7	7	14	13	5	18	5	6	11	-	-	-
P. Practical Themes	6	0	6	11	4	15	4	5	9	24	4	28
IRG. International Research Group	29	15	44	14	9	23	37	17	54	-	-	-
Total	405	124	529	360	94	454	393	137	530	377	98	475



6

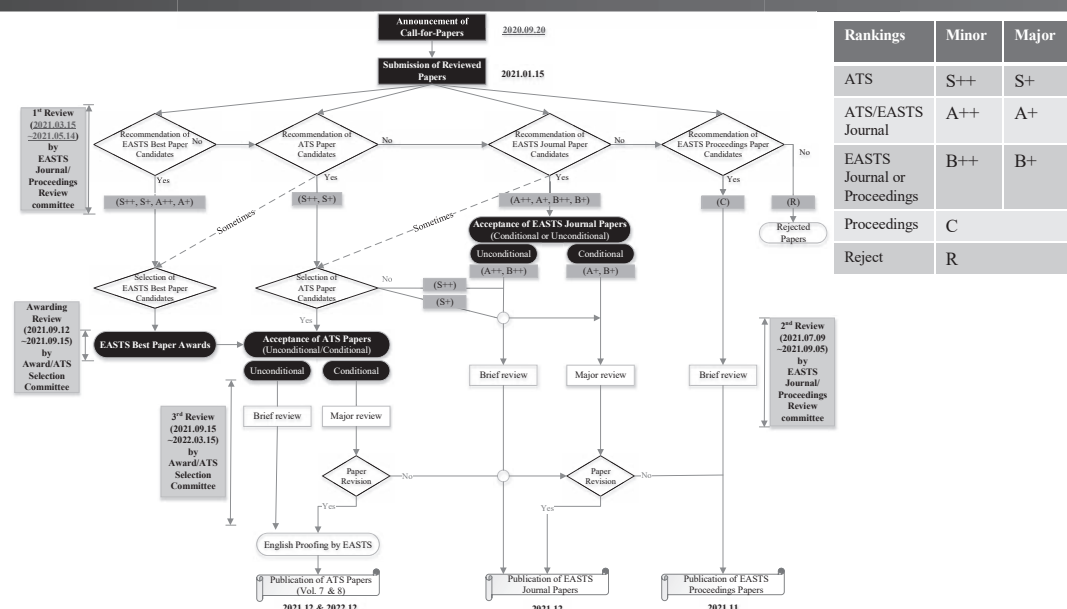
Papers Submissions (by Domestic Society)

Domestic Society	2021			2019			2017			2015		
	Reviewed	Non-Reviewed	Total	Reviewed	Non-Reviewed	Total	Reviewed	Non-Reviewed	Total	Academic Paper	Practical Paper	Total
Australia	6	2	8	4	0	4	16	2	18	7	0	7
Bangladesh	8	0	8	11	1	12	0	0	0	0	0	0
Cambodia	2	0	2	2	0	2	0	1	1	0	0	0
China	4	3	7	5	5	10	4	2	6	6	6	12
Hong Kong	8	0	8	1	0	1	3	0	3	5	0	5
India	37	12	49	57	7	64	0	0	0	0	0	0
Indonesia	32	1	33	14	0	14	40	3	43	47	7	54
Japan	122	34	156	117	28	145	106	32	138	111	18	129
Korea, Republic of	0	38	38	5	23	28	23	46	69	26	17	43
Lao PDR	0	0	0	0	0	0	0	0	0	0	0	0
Malaysia	24	3	27	10	0	10	17	1	18	14	1	15
Mongolia	18	0	18	9	0	9	5	2	7	9	5	14
New Zealand	0	0	0	0	0	0	1	1	2	1	0	1
Nepal	2	1	3	0	3	3	1	2	3	2	4	6
Philippines	32	6	38	30	5	35	35	6	41	50	12	62
Singapore	3	2	5	3	0	3	2	1	3	4	0	4
Sri Lanka	37	4	41	28	6	34	0	0	0	0	0	0
Taiwan	29	11	40	20	7	27	31	8	39	29	9	38
Thailand	9	0	9	7	2	9	19	1	20	26	4	30
Vietnam	18	5	23	22	2	24	35	19	54	14	1	15
Other Countries	14	2	16	15	4	19	55	10	65	28	10	38
Total	405	124	529	360	94	454	393	137	530	377	98	475



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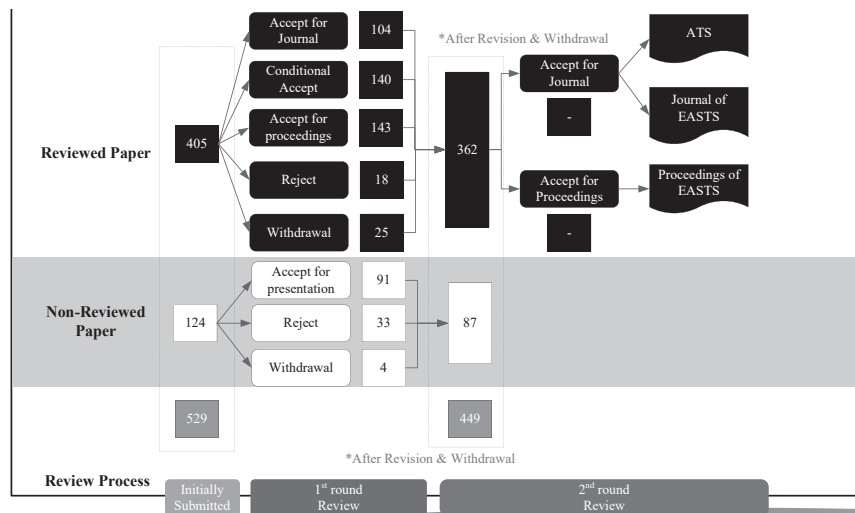
Paper Review Results (1/4)



8

Paper Review Results (2/4)

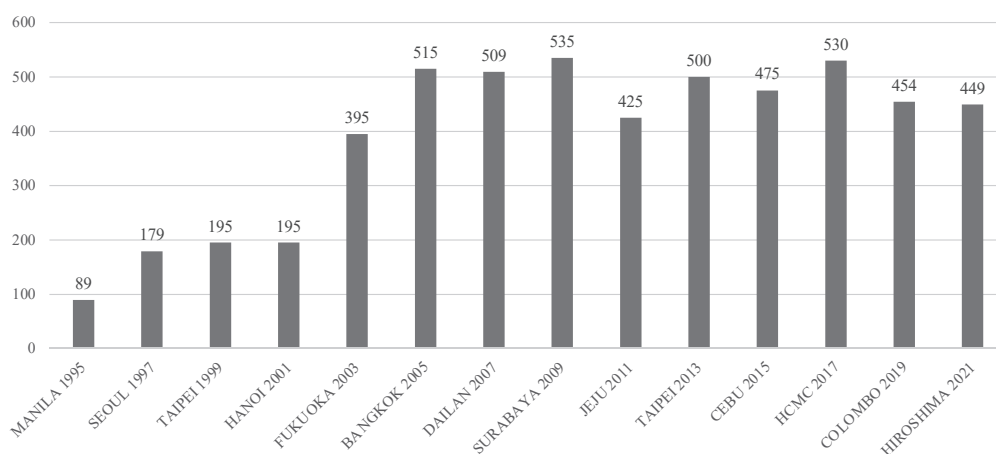
❖ 2021 Hiroshima Conference



9

Paper Review Results (3/4)

❖ Trend of the # of presented papers



10

Paper Review Results (4/4)

- ❖ **Total reviewed papers: 405 papers**
- ❖ **High-ranking papers: 64 papers (15.8%)**
 - ▶ Candidate papers for ATS publication and Awards.
 - ▶ S & S: 4 papers
 - ▶ S & A: 25 papers
 - ▶ A & A: 34 papers



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Thanks for your support !



12

September 14, 2021
Closing Ceremony, EASTS 2021 in Hiroshima

ATS Papers and EASTS Paper Awards

Report from EASTS ISC

Hironori Kato
Chair, ATS/Awards Subcommittee, ISC

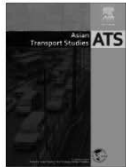
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2



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Professor Hironori Kato

Asian Transport Studies (ATS) is a refereed international open access journal published by the Eastern Asia Society for Transportation Studies (EASTS) and Elsevier. First published in 2009, ATS aims at providing useful insights into solving Asia-specific transport-related issues from both theoretical and practical. [Read full aims & scope](#)

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Call for Papers

COVID-19 and its impact on transport in Asian countries

Guest editors: Bhargab Maitra [Deadline: 31 March 2022](#)

[August 18, 2021](#)

Call for papers on the special issue: Mobility on Demand in Asia

[May 17, 2021](#)

[Deadline: 31 March 2022](#)

Call for papers for the Special issue: Public Private Partnership in Railway and Transit Oriented Development in Asian Countries Short title: PPP in Railway and TOD

[January 28, 2021](#)

[Deadline: 31 Dec 2021](#)

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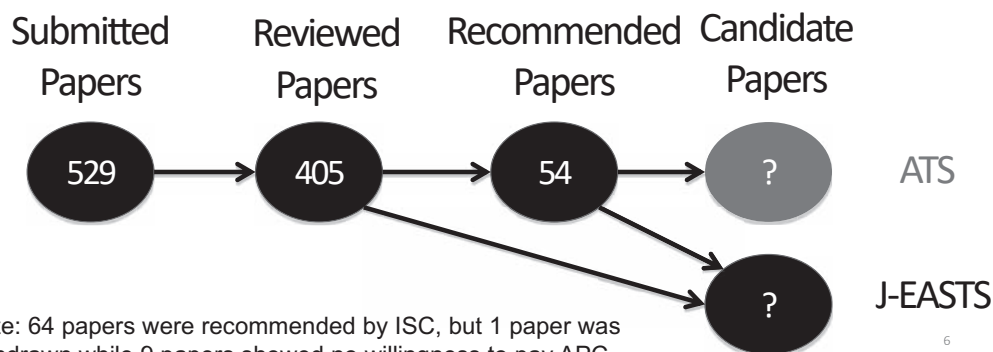
5

ATS Papers Selected from Conference

Excellent conference papers are published in ATS

- Potential papers are recommended by ISC.
- The recommended papers are reviewed in standard review process of ATS.
- This review process is independent from that for EASTS Conference.

Selection Process of ATS Papers in 2021



6

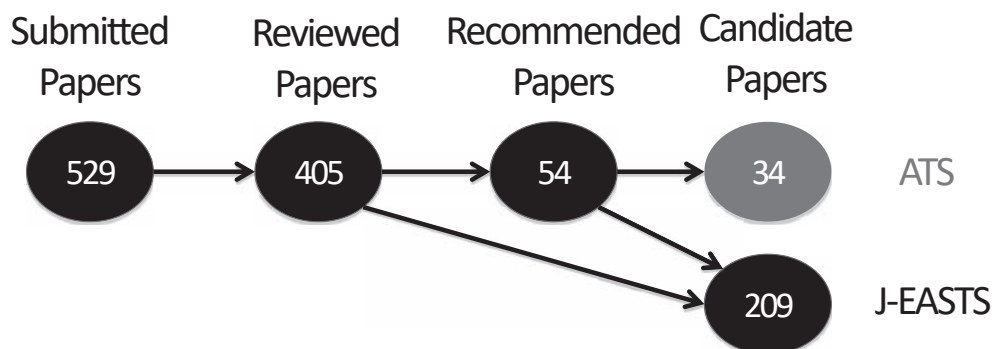
Which papers are selected?

7

Results

As a result of rigid review process, 34 candidate papers have been selected.

Selection Process of ATS Papers in 2021



8

ATS Candidate Papers (1)

Manuscript Number	Article Title	Corresponding Author
EASTSJ-D-21-00022	An Empirical Study of Taxi Crashes in Singapore	Kang Liujiang
EASTSJ-D-21-00023	Safety Evaluation of Personal Mobility Vehicles and Pedestrians under Mixed Traffic Flow using Traffic Simulation	Iryo-Asano Miho
EASTSJ-D-21-00024	Estimating the Potential Retail Impact of Improving the Pedestrian Environment in the Downtown Cebu City	Diaz Crispin Emmanuel
EASTSJ-D-21-00026	Skid Resistance Evaluation of Pervious Pavement Mixtures using XRCT-based Modelling	Ong Ghim Ping
EASTSJ-D-21-00027	Impact of Transport Network Disruption on Travel Demand: A Case Study of July 2018 Heavy Rain Disaster, Japan	Safitri Nur Diana
EASTSJ-D-21-00028	Exploring the Impacts of Online Food Delivery Service on Facility Distribution: A Case of Jakarta, Indonesia	Safira Maya
EASTSJ-D-21-00029	Empirical Models of Consumer and Merchant Behavior in the Two-Sided Market of Local Currency	Chikaraishi Makoto
EASTSJ-D-21-00032	Productivity Impact of Government-led Bailout of Japan Airlines	Yamaguchi Katsuhiro
EASTSJ-D-21-00033	Critical Factors Affecting Performance of Logistics Operation Planning Considering Interdependency: A Case Study in Automotive Aftermarket	Hsieh Cheng-Hsien
EASTSJ-D-21-00036	Multi-criteria Analysis for Function and Location of Roadside Rest Areas Improving Disaster Preparedness	Terabe Shintaro
EASTSJ-D-21-00037	A Simulation-based Approach for Improving Stockyard Allocation in Coal Export Terminals	Guo Zijian

ATS Candidate Papers (2)

Manuscript Number	Article Title	Corresponding Author
EASTSJ-D-21-00039	Travel Pattern Analytics-Driven by Cellular Signaling Data	Hsieh Chih-Wei
EASTSJ-D-21-00040	Comparison between Algebraic Connectivity-Based and Global Efficiency-Based Vulnerability for Railway Topology Analysis: A Case Study of Kyushu, Japan	Promsuwan Pongwit
EASTSJ-D-21-00042	Developing Pavement Condition Index for Asphalt Roads	Mafas Mohamed
EASTSJ-D-21-00045	Development of Soundness Diagnosis Model for Concrete Slab Using Bridge Inspection Data	FUJII Makoto
EASTSJ-D-21-00048	Identifying Golden Routes in Tourist Areas based on AMP Collectors	Zhou Guanghui
EASTSJ-D-21-00049	Analysis on the Driving Behavior of Old Drivers by Driving Recorder GPS Trajectory Data	Zhu Yuanfang
EASTSJ-D-21-00053	An Analysis of the Left-turn Lane Capacity under Autonomous Vehicle Mixed Flow Considering the Influence of Pedestrian Volume and Crosswalk Length	Zhang Xin
EASTSJ-D-21-00054	A Transportation Choice Model on the Commuter Railroads Using Inverse Reinforcement Learning	MORIMOTO Akinori
EASTSJ-D-21-00055	Distinguishing Different Types of City Tourists through Clustering and Recursive Logit Models applied to Wi-Fi data	Gao Yuhan
EASTSJ-D-21-00057	Examining Potentials and Practical Constraints of Mobile Phone Data for Improving Transport Planning in Developing Countries	Tsumura Yuma
EASTSJ-D-21-00059	Development of a Method for Estimating Road Surface Condition in Winter Using Random Forest	Takasaki Yoshiaki

ATS Candidate Papers (3)

Manuscript Number	Article Title	Corresponding Author
EASTSJ-D-21-00060	A Simulation-Based Genetic Algorithm for Solving the Fleet Allocation Problem in an Electric Vehicle Sharing System	Lu Chung-Cheng
EASTSJ-D-21-00061	Estimation of Transportation Energy Demand of the Philippines	Vergel Karl B.
EASTSJ-D-21-00062	Vision-based crowd dynamic model for multi-directional pedestrian flow at public space: a hybrid approach	Zhou Zixuan
EASTSJ-D-21-00064	Productivity and Cost Structure of Transportation Passenger Service with Private Car (Paratransit) in Japan.	TAKEUCHI Ryusuke
EASTSJ-D-21-00070	A proposal of envelope theorem on the interaction between pedestrians and mobilities on urban roads	ZOU Lubing
EASTSJ-D-21-00073	Assessing the transportation system efficiency in the relationship with the urban housing utilization using the Data Envelopment Analysis method	Arimura Mikiharu
EASTSJ-D-21-00075	Travel Time Prediction on Links with and without Point Detectors on Urban Roads	Li Ang
EASTSJ-D-21-00076	Analysis of the Single-Regime Speed-Density Fundamental Relationships for Varying Spatiotemporal Resolution Using Zen Traffic Data	Dahiya Garima
EASTSJ-D-21-00077	An Improvement on Shelter Airport Selection Model During Large-scale Volcanic Disasters: A case study of Hakoneyama Japan	Arimura Mikiharu
EASTSJ-D-21-00078	Impact of COVID-19 on Old-Style LAMAT Services in Developing Cities of Asia-The Study Case of Phnom Penh	PHUN Veng Kheang
EASTSJ-D-21-00080	A Link-Based Semi-Dynamic User Equilibrium Traffic Assignment Model Considering Signal Effect	Koike Kosuke
EASTSJ-D-21-00081	Effectiveness of Policy Incentives on Electric Motorcycles Acceptance in Hanoi, Vietnam	Truong Thi My Thanh

ADBI Financial Support

- Asian Development Bank Institute (ADBI) will financially support Article Publishing Charges of the selected ATS papers, partially. Details will be announced later, directly to the authors.

Congratulations for ATS Candidate Papers!!

ATS candidate papers may be published in Vol. 7
in 2021 or later after necessary revisions and
additional reviews.

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Next is...

EASTS Paper Awards

What are EASTS Paper Awards?

EASTS gives 11 paper awards including 2 special awards, best paper awards in 8 categories, and 1 outstanding paper prize.

- JTTRI Special Award
- OCDI Takeuchi Yoshio Special Award
- Best Paper Awards (8 categories)
- Yasoshima Yoshinosuke Prize

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Awards Selection Process

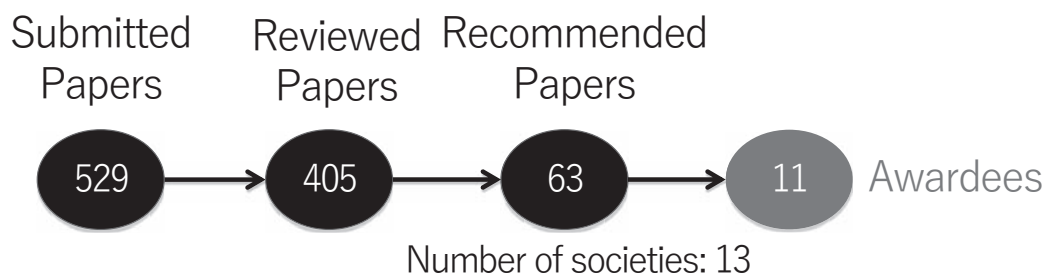


16

Awards Selection Process

11 awardees have been selected from 63 papers recommended from ISC.

Selection Process of EASTS Paper Awards



Note: 64 papers were recommended by ISC, but 1 paper was withdrawn.

17

JTTRI Special Award

Japan Transport and Tourism Research
Institute
(JTTRI)



Mr. Masafumi Shukuri
Incumbent Chairman of JTTRI



Independent and non-profit
organization founded in 1968.

JTTRI has been doing research and
surveys on vital issues of the time,
supporting the government and the
transport and tourism industries.



JTTRI
Japan Transport and Tourism Research Institute

JTTRI Special Award

This is a special award for excellent research on public transport and active mobility in Asia

This award has been introduced from 2019 Conference to support public transport and active mobility studies in Asia and encourage EASTS research activities.

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JTTRI Special Award

THE WINNER IS ...

20

JTTRI Special Award

A proposal of envelope theorem on the interaction between pedestrians and mobilities on urban roads

Lubing ZOU, Tetsuo YAI

Tokyo Institute of Technology, Japan

This study proposes a novel framework for the envelope theorem considering subject and object mental envelopes. The significant theoretical development done in the paper will help in deepening the understanding of the interactions pedestrians have with their surroundings. Thereby, making important contributions to improve the overall safety associated with active mobility.

OCDI Takeuchi Yoshio Special Award

The Overseas Coastal Area Development Institute of Japan (OCDI)

Mr. Koichi Miyake
President of OCDI



Non-profit organization founded in 1976.

Contributing on studies and research for the development of ports in developing countries.



OCDI Takeuchi Yoshio Special Award

This is a special award for excellent logistic research

Dr. Yoshio Takeuchi
(1923-2011)



First president of The Overseas
Coastal Area Development
Institute of Japan (OCDI)

This special award was established
to memorize his great contribution
to the development of
international logistics system,
particularly coastal industrial areas
in developing countries.

23

OCDI Takeuchi Yoshio Special Award

THE WINNER IS ...

24

OCDI Takeuchi Yoshio Special Award

Shipper's Port Choice Behavior in South Viet Nam: Discrete Choice Approach

Tam Thi-Anh TRAN, Mikio TAKEBAYASHI

University of Economics Ho Chi Minh City, Vietnam
Kobe University, Japan

The authors developed shipper's port choice model in Southern part of Viet Nam and identified the uniqueness of Vietnamese shippers' behavior. Insightful policy implications are proposed based on the developed model.

This paper is highly expected to contribute to better understandings of shipper's port choice behavior in practice, which is critical issue for the better policy makings.

EASTS Best Paper Awards

Best Paper Awards are selected from viewpoints of eight categories:

- a. Enlightening Asia-specific topics
- b. Discovering interesting facts
- c. Technological innovation
- d. Institutional innovation
- e. Theoretical development
- f. Methodological development
- g. Best application in practices
- h. Difficult research accumulations

26

Best Paper Award for “Enlightening Asia-specific Topics”

THE WINNER IS ...

27

Best Paper Award for “Enlightening Asia-specific Topics”

Tourists’ Perception and their Preference Heterogeneity
towards Pedestrian Infrastructure and Facilities at Tourist
Destinations in India

Priyanka Das, Swati Maitra

Indian Institute of Technology Kharagpur, India

The study investigated perceptions of tourists towards pedestrian infrastructure and facilities at tourist destinations in India.

Remarkable findings found in the study would further inspire future research directions. The study indeed revealed interesting findings with regards to Asia-specific topics.

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Best Paper Award for “Discovering interesting facts”

THE WINNER IS ...

29

Best Paper Award for “Discovering interesting facts”

Empirical Models of Consumer and Merchant Behavior in the
Two-Sided Market of Local Currency

**Taisei YOSHIOKA, Makoto CHIKARAISHI,
Akimasa FUJIWARA**

Hiroshima University, Japan

This study evaluated factors affecting the acceptance and use of local currencies as a potential strategy for revitalization of local regions, considering both consumer and merchant behaviors. As economic revitalization becomes increasingly important in ageing and depopulating regions, it will be necessary to experiment with new and creative solutions in search for new answers. As such this paper was judged deserving of the award for “discovering interesting facts.”

Best Paper Award for “Technological innovation”

THE WINNER IS ...

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Best Paper Award for “Technological innovation”

Development of a Method for Estimating Road Surface
Condition in Winter Using Random Forest

**Yoshiaki TAKASAKI, Miguel SALDANA, Jun ITO,
Kazushi SANO**

Nagaoka University of Technology, Japan

This study proposes a method for predicting road surface conditions during snowfall using data on air temperature, weather conditions, traffic volume, and the sound of tire noises while driving. This study contributes to technological development by introducing equipment to measure these data and developing a prediction model by considering the relationship between the sound and the road surface conditions.

Best Paper Award for “Institutional innovation”

THE WINNER IS ...

33

Best Paper Award for “Institutional innovation”

An Empirical Study of Taxi Crashes in Singapore

Liujiang Kang, Qiang Meng

Beijing Jiaotong University, China,
National University of Singapore, Singapore

This study uses a large dataset from Singapore to identify the factors that are associated with Taxi crashes.

The findings of the paper make important empirical contributions, identifying urgent policy interventions required to improve road safety and decrease accidents.

Best Paper Award for “Methodological development”

THE WINNERS ARE ...

35

Best Paper Award for “Methodological development”

Skid Resistance Evaluation of Pervious Pavement Mixtures
using XRCT-based Modelling

Ajayshankar JAGADEESH, Ghim Ping ONG

National University of Singapore, Singapore

This paper proposed a new thresholding algorithm for wet pervious pavement skid resistance estimation. The authors developed a numerical simulation model for skid resistance characteristics of the locked wheel using X-ray computed tomography scanning, digital image processing algorithms and finite-element modeling. The proposed model has been well verified, contributing to a significant methodological development.

Best Paper Award for “Methodological development”

Travel Time Prediction on Links with and without Point
Detectors on Urban Roads

**Ang LI, William H. K. LAM, Mei Lam TAM,
Ren Xin ZHONG, Wei MA**

The Hong Kong Polytechnic University, Hong Kong
Sun Yat-sen University, China

This study proposes a short-term rolling horizon framework for the prediction of within day path and link travel times. In addition, this study addresses the problem of unobserved links by adopting a two-stage approach combining functional principal component analysis and maximum likelihood estimation. The significant methodological development done in the paper was well verified using data from Hong Kong.

Best Paper Award for “Best Application in Practices”

THE WINNER IS ...

Best Paper Award for “Best Application in Practices”

Exploring Hourly Travel Demand Patterns under Various Land Uses: Cellular Data Application

Yu-Chiun CHIOU, Barbara T.H. Yen, Yi-Yun YU

National Chiao Tung University, Taiwan

This study applied cellular data to analyze the travel patterns of local people and its relationship with land use in a case of Taipei. It successfully provided evidence with which operators, planners and governments are able to plan for future cities.

This is a good application of big data to practical travel demand analysis.

Best Paper Award for “Difficult Research Accumulations”

THE WINNER IS ...

Best Paper Award for “Difficult Research Accumulations”

Estimation of Transportation Energy Demand of the Philippines

Karl B. N. VERGEL, Kelvin R. S. MARCELO, Arse J. P. SALISON, Felix N. M. ELAMPARO, Valerie A. L. SAAVEDRA, Kathrina P. VILLEDOR, Nonalu S. A. ABAO, Abby O. GONZALES, Jose R. F. REGIDOR, Ernesto B. ABAYA

University of the Philippines Diliman, Philippines

This study estimated the baseline transportation energy demand of road, maritime, air and rail transportation modes using bottom-up approach. Thus, it identified gaps in the availability of data, and recommended collection and keeping of certain critical transportation data. The study is highly recognized by its proposed methodological framework by overcoming challenges in perspective of difficult research accumulations.

Yasoshima Yoshinosuke Prize

This is the Top Prize of all EASTS 2021 Papers

Prof. Yasoshima Yoshinosuke
(1918-1998)



One of the Founders of
Transport and Regional
Studies in Asia

Former Professor at the
University of Tokyo

This prize was established to
memorize his great
contributions to transport
and regional studies in Asia.

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Yasoshima Yoshinosuke Prize

THE WINNER IS ...

43

Yasoshima Yoshinosuke Prize

Impact of Transport Network Disruption on Travel Demand:
A Case Study of July 2018 Heavy Rain Disaster, Japan

Nur Diana SAFITRI, Makoto CHIKARAISHI

Hiroshima University, Japan

This study analyzes the impacts of transport network disruptions on its performance and travel demand in Hiroshima during the July 2018 heavy rain disaster.

As topics on transportation and crises are urgent and critical issues in recent global society, the study successfully contributed to the field both theoretically and methodologically with inspiring and excellent research outputs.

Congratulations !!

And thank all reviewers for your contributions
to paper reviews and award selection.

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Next is...

Awarding of Outstanding Paper Reviewer Award

ISC Chairperson
Prof. Yu-Chiun Chiou

■ Outstanding Paper Reviewer Award

Dr. Yu-Chiun Chiou, ISC Chair

Winners of Outstanding Reviewer Award (1/3)

❖ Dr. Yi-Shih CHUNG (receiving 10 votes)

Vote	Review Quantity (30%)			Timely Response (20%)	Review Quality (30%)
	# of Assigned Papers	# of Papers Reviewed	% of Review Completed		
10.	11	11	100%	23	

As Example of Review Reports

This is an excellent study that proposed a driver identification model based on driving behavior data.

- Please elaborate more on why it is desired to identify drivers, especially from driving behavior data, for improving the performance of ADAS. Modern ADAS products could be customized based on consumers' needs (for example, the minimum warning time for a forward collision warning system). What kind of ADAS products (or under what driving circumstances) would need such identification models?
- The participants were 10 elderly drivers aged 65 or older with half males and half females. The 10 drivers formed five groups with each group having one male and one female drivers. Is there any reason to target at elderly drivers and employ a gender-balanced design?
- When these participants driving at the same car (or car models) or different cars? If different cars were used, how might this difference affect the prediction (for example, the built model was predicting car types instead of drivers)? A similar concern is for the driving environment as these participants were living in different neighborhoods through same city, and neighborhood environment, such as road density, signal phasing, right-of-way, their driving profile (or fingerprints).
- Please define the data range of an intersection, i.e., starting from how far from entering (e.g., stop line) the intersection and to how many meter leaving the intersection.
- The study is recommended to split the data into training and testing subsets. The training dataset was used for model development and internal validation (i.e., the procedure illustrated in Fig. 3a). The testing dataset was used for external validation (i.e., Fig. 2b). In the current setting, there was no external validation in the study.
- The study built five models, for each group of drivers; that is, each model's mission was making predictions of a binary outcome. Some prediction accuracy shown in Fig. 4 seemed not superior for a modern machine learning models. For example, the accuracy for Car ID was roughly between 60% and 70%. Would it be possible to add more features, such as time of the day, in the model?
- Section 5.3. If possible, please also indicate the standard deviation of the accuracy of different model employed.
- Section 5.4. Please clarify what it means by "where driver is not identified".

Winners of Outstanding Reviewer Award (2/3)

❖ Dr. Timo ECCARIUS (receiving 9 votes)

Vote	Review Quantity (30%)			Timely Response (20%)	Review Quality (30%)
	# of Assigned Papers	# of Papers Reviewed	% of Review Completed		
9.	10	10	100%	17.2	

As Example of Review Reports

The structure of this article needs to be improved for clarity. Consider dividing it into Study 1 and Study 2, each with its own methods and results, for example:

- Risk factor analysis with countermeasure recommendations
- Evaluation of these countermeasures in three locations

Introduction: Add a paragraph describing the structure of the paper including what you cover in what section. State the research gap more clearly prominently.

Methods: Consider adding some sort of time information to Fig. 1. Add textual description of what we see in Fig. 1. Explanation of data collection and context are missing.

Section 3: Parts of this belong in the Methods section. From around Line 166 you present Results, Table 3: Consider setting by risk.

Section 4: The leap to the countermeasures is too big. Explain, at least for some instances, how you arrived at these recommendations. Consider grouping the risk factors and countermeasures for a better overview.

Section 5: Move Lines 385 to 395 to the following Discussion & Conclusion section. Avoid language throughout that implies direct "causation" between measures and the indicators you evaluated. There are probably many factors at play, that may also have contributed. See also my comment below referring to limitations. Substantiate the case studies with context data collection and results. Include descriptive statistics for each case study.

Subsection 5.1.1: I don't understand the "location". Were all three scenarios implemented and evaluated at that particular location? If yes, how was that temporally organized? Suggestive: "unsuccessful pedestrian crosswalk" -> "absence of zebra crossing". Figure 2: Are all photos taken at the same case study location? Though interesting, I'm not convinced that Fig2D is relevant. Table 6: What data in this analysis based on? Include descriptive in the subsection. Move t-statistic and p-value to the very right of the table.

Subsection 5.3: Add descriptive statistics about the data.

Section 6: You may have to question any other factors that limit the comparability of the pre-post analysis. Nothing else happened or was changed during the entire time? How many fatalities at the three case study locations before 2017? Line 408-410: What does that mean? Don't report, interpret the result! Line 430: As compared to before...

Winners of Outstanding Reviewer Award (3/3)

❖ Dr. Mikiharu ARIMURA (receiving 8 votes)

Vote	Review Quantity (30%)			Timely Response (20%)	Review Quality (30%)
	# of Assigned Papers	# of Papers Reviewed	% of Review Completed		
6.	12	12	100%	14	

As Example of Review Reports

(1) Chapter 1 The purpose of the research is not shown in the introduction of Chapter 1. The purpose of the treatise should be clarified before the review.

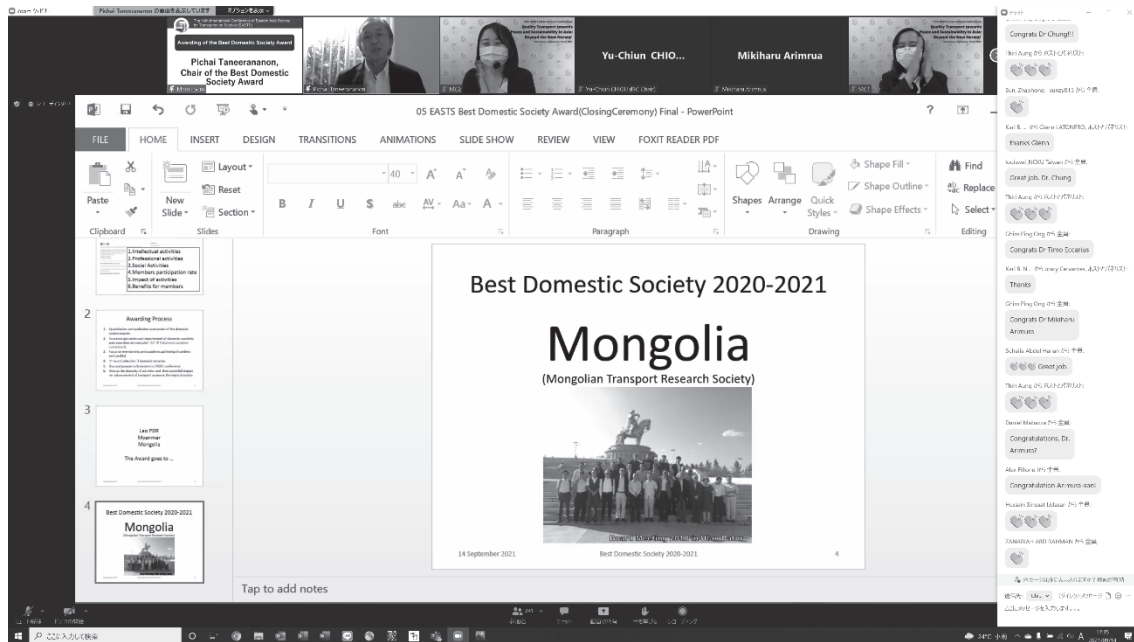
(2) Chapter 4: Please clarify how to set the parameters of scenario A and scenario B in Chapter 4. Especially for scenario B, it is necessary to additionally describe the content, sample size, survey period, etc. of the online survey conducted on Google form. The lack of the above information impairs the reliability of the estimation results, including the conclusions of the paper.

(3) 4.3 Comparison between scenario 'A' and 'B' "The comparison of energy consumption and GHG emission between scenario A and B are illustrated in Table and Table." The table numbers are not attached.

(4) Table 5: Reduction of Energy Consumption 2015, Table 6: Reduction of GHG Emission 2015 Scenario B in the above two tables. Match the significant figures with Scenario A.

■ Best Domestic Society Award

Dr. Pichai Taneerananon, Chair of Best Domestic Society Award





Report of Secretary General

Dr. Tetsuro HYODO

Secretary General of EASTS

Contents

1. International Research Group (IRG)
2. Special Research Project between KOTI-EASTS
3. Trend of the # of EASTS Membership
4. Officers
5. Introduction of Secretariat Office Member
6. Next Conference Venue

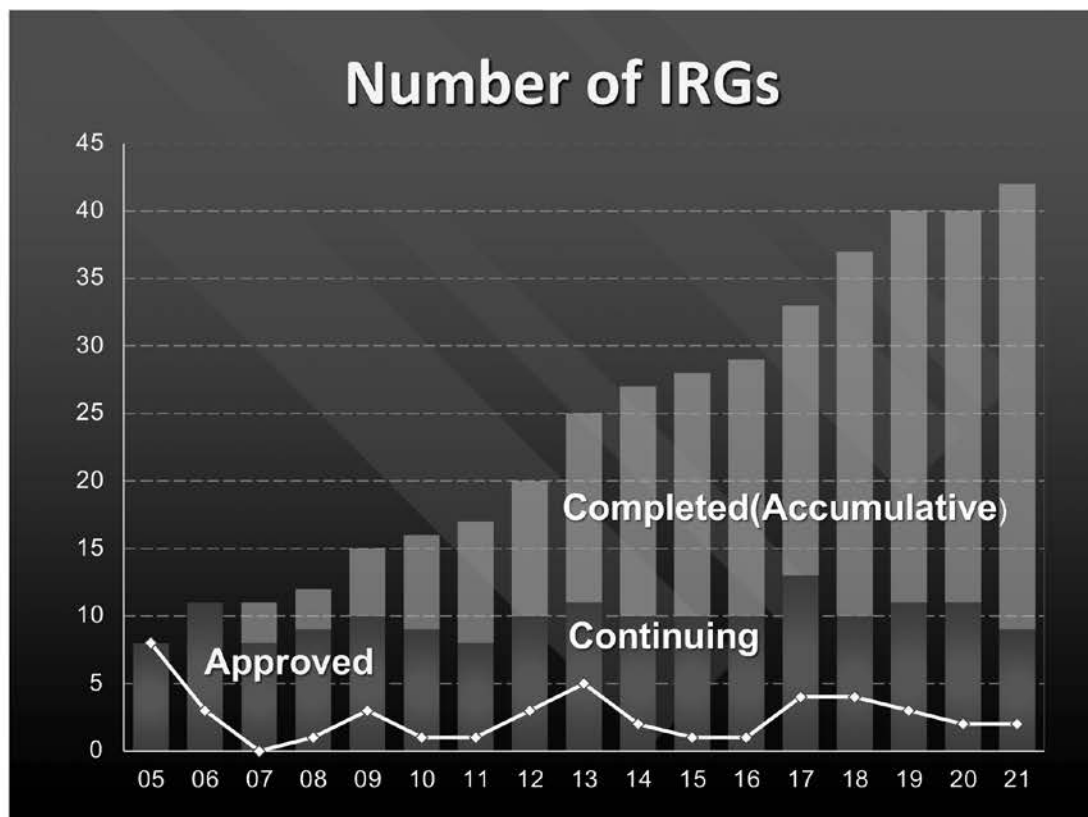
1. International Research Group (IRG)

Role:

- Promote International Research Activities
- Conduct symposia, seminars and workshops
- Activate young researchers of EASTS

History:

- Initiated in 2005
- 13 IRGs have been conducted now: four of them were completed in 2021 and nine of them continue.
 - Ten special sessions organized by them
- Two New IRGs were approved by Board Meeting 2021
- Over 180 EASTS members are joining IRGs



Newly Approved IRGs

ID	Title	Representative	Members
IRG-43-2021	Investigating Accessibility of Indigenous Heritage and Historic Places	Li Meng University of South Australia, Australia	4 (1AU+1JP+1ID+1NZ)
IRG-44-2021	Rising of Road Safety Issues in Three Asian Countries (Pakistan, India and Sri Lanka) due to Urban Transportation and Its Comparison with UK	Muhammad Hussain BRAINS Institute, Pakistan	7 (3RM+1KR+1AU+1PH+1)

International Cooperative Research Activities (ICRA)

- Research fund for IRG
- Grants from EASTS

Category A: Grant for incubating research:

- 1 million Yen for 2 years
- ➔ One application (2021)

Category B: Grant for publicity of achievement:

- 0.5 million Yen for 1 year
- ➔ No application (2021)

Application are welcomed!

Eligible Candidate for ICRA-A

(IRG-38-2019)

Project Title: **Vulnerability Assessment of Transport Systems due to Flooding in Selected Asian Cities**

Principal Researcher: **Dr. Alexis FILLONE,**
De La Salle University, Philippines

Co-researchers:

Dr. Sittha JAENSIRISAK, Ubon Ratchathani, Thailand
Dr. Varameth VICHENSAN, Kasetsart University, Thailand
Dr. Atsushi FUKUDA, Nihon University, Japan
Dr. Shinichi MUTO, University of Yamanashi, Japan
Dr. Anabel AABUZO, Xavier University, Philippines
Dr. Vu Anh TUAN, The Vietnamese-German University, Vietnam
Dr. Tetsuji SATO, Chiba Institute of Technology, Japan

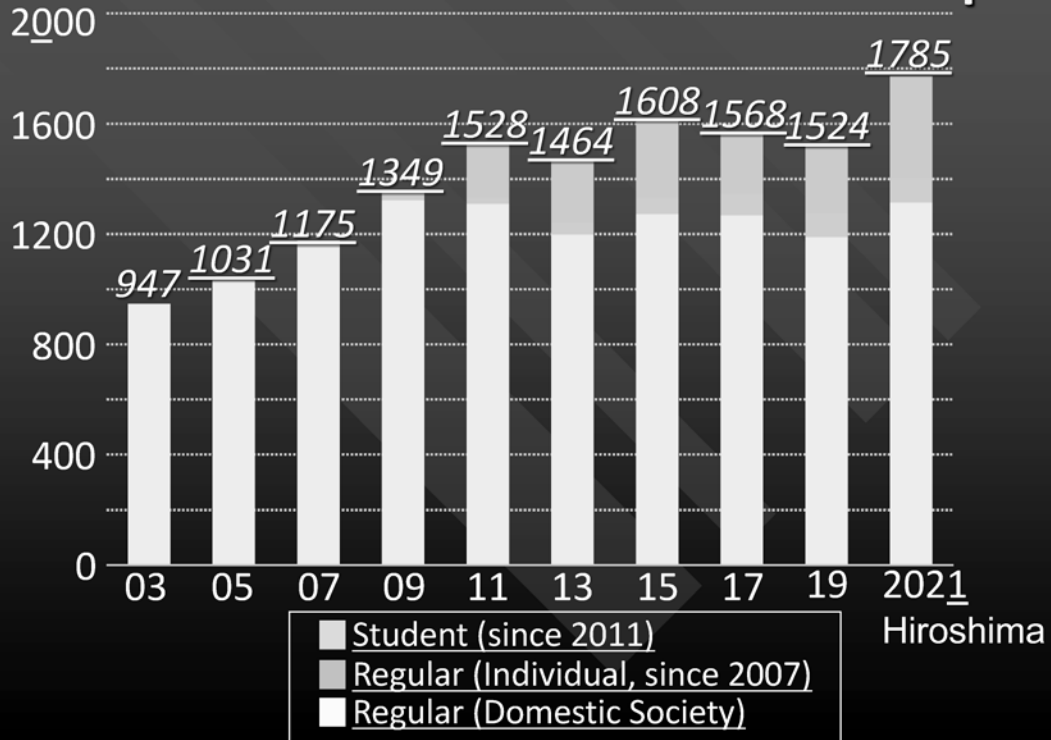
et al.

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2. Special Research Project between KOTI-EASTS

- President of EASTS decided to establish joint research with KOTI and KOTI continuously contributes to EASTS with research activities in 2013.
- New project title: ***“Private Investment in Asia focusing on electric charging facilities”***
- Report was published
- Past Project reports are shown in EASTS web.

3. Trend of the # of EASTS Membership



Statistics of EASTS Membership

Total Membership (Regular & Student):

1,785 (in 2021) (c.f. 1,524 in 2019)

Individual Regular Members from the outside of EASTS Regions such as:

Afghanistan(1), Bangladesh(6), France(1), Germany(1), India(81), Pakistan(2), Russia(1) and UK(2).

-> 21 Individual Members newly approved in 2021.

4. Officers

President:

Jaehak OH (KOREA)

1st Vice President:

Jason CHANG (TAIWAN)

2nd Vice President:

Mohamed Rehan Karim (Malaysia)

Secretary General:

Tetsuro HYODO(JAPAN)

Treasurer:

Shinya HANAOKA (JAPAN)

Chairs of Committee

International Scientific Committee

Yu-Chiun CHIOU (Taiwan)

Membership and External Affairs

Amal S. KUMARAGE and Shinya HANAOKA

Outstanding DS Award

Pichai Taneerananon (Thailand)

5. Member of Secretariat (1)

Secretary General



Dr. HYODO
Tokyo Univ. of
Marine Sci. & Tech.

*Treasurer,
Deputy
Secretary General*



Dr. HANAOKA
Tokyo Tech.

Member of Secretariat (2)



Dr. HIRATA
Ibaraki Univ.



Dr. KAWASAKI
Univ. of Tokyo



Ms. YOSHIDA



Dr. KURIHARA
Toyo Univ.



Dr. TERABE
Tokyo Univ. Sci.



Dr. TOMARI
Tohoku Tech.



Dr. SunKyung CHOI
Tokyo Tech.

Member of Secretariat (3)



Dr. ARATANI
NMRI



Dr. FUKUDA
Univ. of Tokyo



Dr. HIBINO
GRIPS



Dr. VERGEL
Univ. Philippines



Dr. PHUN
IT Cambodia



Dr. SUZUKI
Tokai Univ.



Dr. SAKAI
Tokyo Marine

6. Venue of the 15th EASTS Conference in 2023

Kuala Lumpur, Malaysia

Hosted by ***Transportation Science
Society of Malaysia***

Planned date: ***September, 2023***

Thank you for your attention.

**Also, many thanks
for the Members of Conference
Committee and the Local Staffs!!**

See you in Kuala Lumpur!!

Financial Report

Settlement of accounts						
Income (JPY)						
Items		Unit	Volume	Amount	Subtotal	Notice
Registration Fee (10% fee recution)			98 264 74 218 0 0 0			
	Regular	20,700		6,837,210	\$200⇒¥23000 (\$100 increased)	
	Regular_Early bird	14,490			\$140⇒¥16100 (\$70 increased)	
	Student	4,140			\$40⇒¥4600 (no change)	
	Student_Early bird	3,105			\$30⇒¥3450 (no change)	
	Non-regular	27,600			\$240⇒¥27600 (no change)	
	Outside EASTS countries	34,500			\$300⇒¥34500 (no change)	
	Accokpaning Person	6,900			\$60⇒¥6900 (no change)	
Grant		1,200,000	1	1,200,000	1,200,000	JSCE100+ETRFC20
Donation		100,000	76	7,600,000	7,600,000	27 organizations
Interest		19	1	19	19	
Total				15,637,229		
Expenditure (JPY)						
Items		Unit	Volume	Amount	Subtotal	Notice
Operating Cost					4,223,790	
	Utility Fee		1	93,400		Hiroshima University
	Equipments		1	4,130,390		
Secretariat					868,439	
	Outsourcing expenses		1	868,439		
Prining and online operation					889,350	
	Online System		1	550,000		
	Conference Report	1,502	100	150,150		
	Supplies Expense	189,200	1	189,200		
Others					1,422,100	
	Registration Charge	440,000	1	440,000		Mobiry
	Registration Refund	982100	1	982,100		Suponsors
Labor Expense					1,939,105	
	System Operator		1	1,034,000		
	Part-time Students	1,000	497	497,000		
	Transportation	322,749	1	322,749		Students' bus
	Miscellaneous Expense		1	85,356		Lunch Boxes
Post Conference						
	General Administration	1,000	150	150,000	150,000	
	Bank Charges	13,400	1	13,400	13,400	
Sub-total				9,506,184		
EASTS Royalty		975,660	1	975,660	975,660	30% of the increased revenue from registration free raise
Total				10,481,844		
Balance				5,155,385		

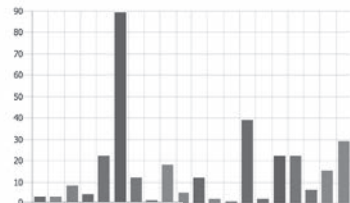
Follow-up Survey

- More than 90 percent of respondents are satisfied with EASTS 2021 Conference.
- More than 70 percent of respondents prefer the on-site conference once COVID-19 outbreak ends.
- There are several voices to recommend a hybrid style at the next conference in Kuala Lumpur.

Number of Respondents: 315

Q1. Your country/region

● Australia	3
● Cambodia	3
● China	8
● Hong Kong	4
● Indonesia	22
● Japan	89
● Korea	12
● Lao PDR	1
● Malaysia	18
● Mongolia	5
● Myanmar	12
● Nepal	2
● New Zealand	1
● Philippines	39
● Singapore	2
● Sri Lanka	22
● Taiwan	22
● Thailand	6
● Vietnam	15
● others	29



Q2. Your job title

● Academic professional	141
● Student	124
● Regulatory Body	5
● Industry professional	25
● others	20



Q3. Did you present your work/research at the conference?

● yes	253
● No	62



Q 4. Did you moderate a session at the conference?

● yes	63
● No	252



Q 5. Are you satisfied with the pre-recorded video presentation style?

● very satisfied	145
● satisfied	139
● neutral	29
● unsatisfied	2
● very unsatisfied	0



Q 6. Are you satisfied with the real-time Q&A sessions?

● very satisfied	134
● satisfied	133
● neutral	39
● unsatisfied	9
● very unsatisfied	0



Q 7. Are you satisfied with the "zoom" platform as an online meeting application?

● very satisfied	149
● satisfied	134
● neutral	29
● unsatisfied	3
● very unsatisfied	0



Q 8. Tell us the reason for your answer of Q5-7?

173 responses:
e.g. "I'm truly impressed and I believe this is the best way to adapt to New Normal as an academic."



Q 9. Which is your most preferred style of EASTS conference once COVID-19 outbreak ends?



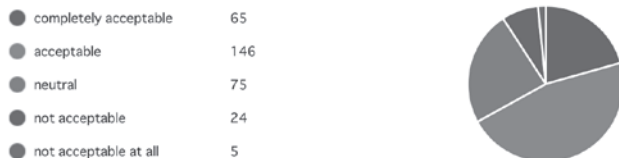
Q 10. Tell us the reason for your answer of Q9?

183 responses:

e.g. "Public relations are really important in networking. I believe, the best option is to have one to one meeting if an outbreak is over. "



Q 11. Do you think the registration fee for EASTS 2021 was acceptable?



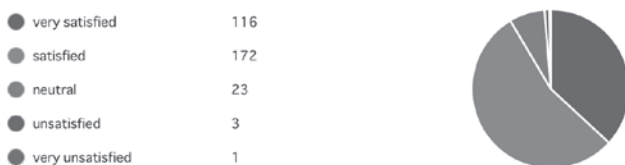
Q 12. Tell us the reason for your answer of Q11?

140 responses:

e.g. "At least, the organizer should announce the fee when the conference change to the online format."



Q 13. Are you satisfied with the EASTS2021 conference overall ?



Q 14. Tell us the reason for your answer of Q13?

133 responses:

e.g. "Expectations were there and satisfied."



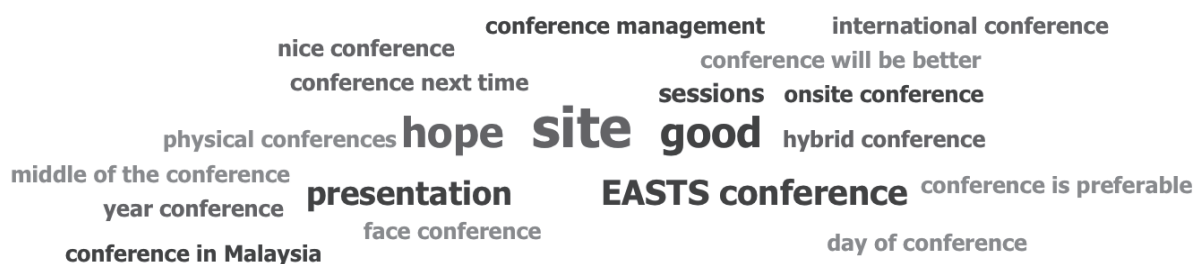
Q 15. If you have any suggestions for the next EASTS conference, please let us know.

101 responses:

e.g. "If add more events for networking among researchers, that would be great."

"I recommend that the next EASTS conference be a hybrid conference. Recorded presentations should be encouraged even if participants will be physically participating in KL."

"Next EASTS Conference may be better to be combined on-line and off line (hybrid conference)"



Committee Members of EASTS 2021

Local Organizing Committee (2)

Chair	Tohru TAMURA (Hokkai School of Commerce)
Secretary General	Shinya HANAOKA (Tokyo Institute of Technology)

Conference Committee (22)

Chair	Akimasa FUJIWARA (Hiroshima University)
General Secretary	Junyi ZHANG (Hiroshima University)
Finance and program manager	Makoto TSUKAI (Hiroshima University)
Logistics and venue manager	Masaaki FUSE (Hiroshima University)
Communication manager	Makoto CHIKARAISHI (Hiroshima University)
Transport manager	Yusuke KANDA (National Institute of Technology, Kure College)
Event manager	Tadashi ITOH (Hiroshima Institute of Technology)
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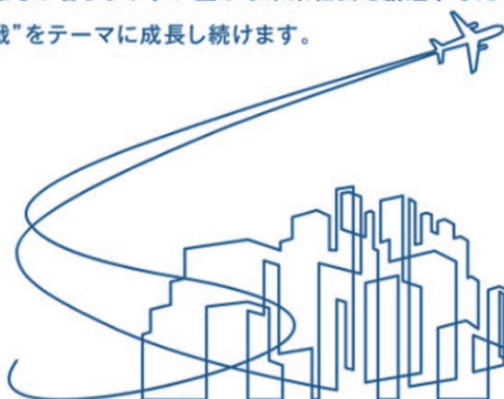
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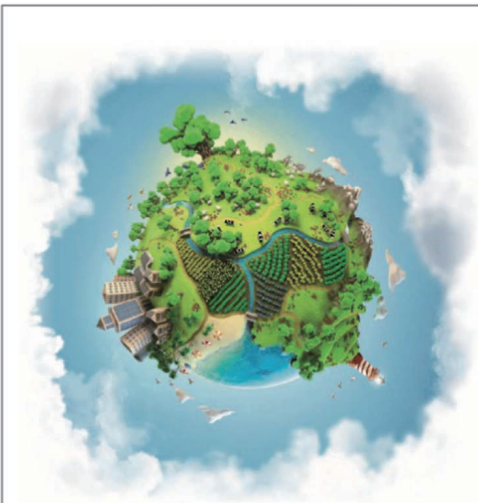
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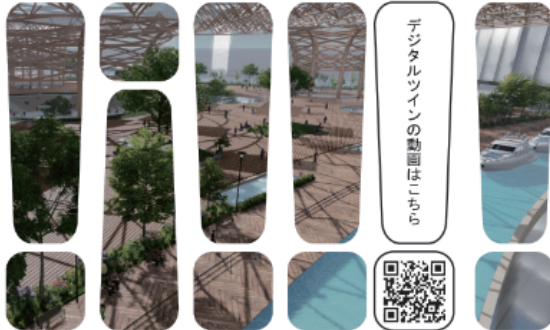
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Editorial PostScript

I would like to express my sincere appreciation to all the participants of the 14th EASTS international conference in Hiroshima. I must apologize for many inconveniences of 100% online conference due to the COVID-19 on behalf of the conference committee. Although there are unaccustomed matters and stress to all of you, I do not regret this decision making to sudden the change from in-person to online conference. The online conference is a kind of sustainable style of EASTS conference in long-term aspects. Hence, it is no doubt that the lessons from this EASTS 2021 will make a new normal of international conference. This is because I estimate the meaning of this conference positively.

We received more than 500 paper submissions and 711 registrations from 28 countries and regions this time. The keywords in all the papers presented at this conference reflect the time such as COVID, autonomous, shared, electric, mobility, service, learning, and quality. They exactly meet the theme of our conference, which is “Quality Transport towards Peace and Sustainability in Asia: Beyond the New Normal” .

We received much heartwarming supports such as a conference partner of ADBI, twenty-seven conference co-sponsors, four support organizations and two grant society and foundation. I cannot express them how grateful I was, when we encountered difficulties in a hybrid conference between online and on-site. In addition, I am proud that one team consisting of all the LOC and CC members devoted themselves to working their own part flexibly. Without the contributions of colleagues, this conference would not have succeeded.

Akimasa Fujiwara

The Chair, Conference Committee of 14th EASTS International Conference 2021
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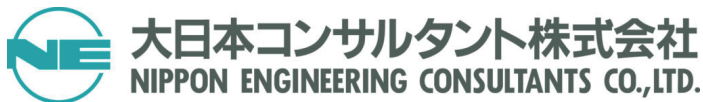
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