



The 7th International Conference of Eastern Asia Society for Transportation Studies 2007



EASTS 2007

**Towards Integrated Transportation
for Rising Asia**

**24–27 September 2007
Dalian Maritime University,
DALIAN, CHINA**

<http://easts07.dlmu.edu.cn>

Table of Contents

Welcome Message

Greeting from the Chairman of the Conference Committee, EASTS 2007	1
Greeting from the President, EASTS	2
Greeting from the Vice-mayor of Dalian Municipal Government	4
Greeting from the Chairman of the Local Organizing Committee	5

Committee

EASTS Board of Director	7
International Scientific Committee (ISC)	8
Conference Committee	9
Local Organizing Committee	9

Schedule of Board Meetings and ISC Meetings	10
---	----

Social Events

Opening Ceremony	11
Keynote Lecture	11
Panel Discussion	11
Welcome Reception	12
Closing Ceremony	12
Farewell Party	12

Program at a Glance	13
---------------------	----

Technical Session Schedule

24 September	14
25 September	15
26 September	16

Technical Session Program

Room 1-room 9	17
---------------	----

Poster Session	63
----------------	----

Technical Tours	68
-----------------	----

Daily Sightseeing Program	71
---------------------------	----

General Information	73
---------------------	----

Access and Hotel Map	75
----------------------	----

Welcome Message



Professor Wang Derong

On behalf of the 7th EASTS conference committee, I'd like to express my warmest welcome to all of our friends attending this conference. I feel very delighted because it is the first time the EASTS conference is being held in Dalian, China. This conference will cover many topics concerning traffic and transportation that are important to all of us.

Generally in Asia, the development of transportation and logistic systems cannot meet the current demand that is created by the rapid economic growth and social development. Our growing recognition of the interaction between economic growth and social development, that is sustainable, forces us to think deeply about many other issues such as environmental pollution and natural resource shortages. These types of issues have the potential to adversely affect sustainable economy and harmonious society. Therefore, as we accelerate the development of the transportation and logistic systems in Asia, it is also important to think about how to best use the limited natural sources, and how to decrease the pollution dangers to our environment. We have a worthwhile goal to work towards; one that is challenging and will demand the best efforts of each of us.

The theme “Towards Integrated Transportation for Rising Asia” will give each of us many opportunities during the conference to make new and important contributions for the harmonious development of the transportation and logistic system in East Asia.

Finally, I sincerely hope that all of you, our friends, will benefit from the conference and will have an enjoyable time in Dalian.

Thank you!

Professor Wang Derong
Chairman, Conference Committee
EASTS 2007

A handwritten signature in black ink, appearing to be '王德荣' (Wang Derong).



Professor Dr. Shigeru MORICHI

It is my great pleasure to welcome all of you to the Seventh International Conference of the Eastern Asia Society for Transportation Studies (EASTS) being held in this beautiful City of Dalian.

Since its inception, EASTS has been serving as an international forum to share results of scientific research and exchange insights on practical transportation problems with the objective of contributing to the development of an efficient transport system in the East Asian Region. I am happy to report to you that, in keeping with our past trend, this Conference has, since its first Conference, attracted increasing numbers of papers and participants. This year, EASTS has received an overwhelming response from Academics, researchers and experts. As a result, we can now begin to think of ourselves as the most “established organization with the most premium group of experts’ on transportation in Asia. This success would not have been possible without the hard work and dedication of the many professional people who are and have been involved in this process over the years.

I believe this year’s Conference theme “Towards Integrated Transportation for Rising Asia” correctly reflects the key aspect of the challenge of sound integration planning to implement a first-class transportation system for a rapidly growing Asia. First, the demand-supply gap in transport systems is always a primary constraint to sustaining growth in Asia or elsewhere. Further, lack of effective integration across the different components of the overall transport system results not only in sub-optimal utilization of existing infrastructure but also lowers the quality of service with significantly adverse impacts on our global competitiveness. Therefore, emphasis on integrated transportation needs to be one of the key policy strategies to help a “Rising Asia” continue on its current growth path. Moreover, a more integrated transport system means not only better functioning and improved efficiency but also leads to a more beautiful living environment as exemplified by the urban environment of our host - the City of Dalian.

Last, but not least, this conference theme is also in resonance with the dynamism of the host country - the People’s Republic of China - which is emerging as the engine of a “Rising Asia”. I hope the exchange of scientific knowledge and discussion on other practical issues among us will make a substantial contribution to this year’s conference theme.

Our local organizing committee has made every effort to ensure the smooth running of the Conference proceedings for you. Our organization has received tremendous support from the conference host, from the China Communications and Transportation Association (CCTA) and from many other sponsors. I am grateful and I thank you. I hope all of you will enjoy your stay in this beautiful City of Dalian.

I look forward to seeing you in what I know will be intellectually stimulating conference sessions. Thank you.

Professor Dr. Shigeru Morichi
President, EASTS

A handwritten signature in black ink, appearing to read "S. Morichi". The signature is fluid and cursive, with a long horizontal stroke at the end.



Mr. Xing Liangzhong

On the occasion of the 7th International Conference of EASTS, I would like, on behalf of Dalian Municipal Government, to extend our warmest welcome to experts, scholars and friends, from both home and abroad, who are attending this conference.

Dalian is an international city and it is like a window of northeast China as well. The city thrives because of our port facility. Our port is the main channel, corridor and hub for goods transportation from northeast to southeast China and even to the international markets. Because of the strategy “Revitalization of the Old Industrial Base in Northeast China” strategy, Dalian is striding forward, towards the goal of building itself into an important shipping center in Northeast Asia.

The theme of this conference is: “Towards Integrated Transportation for Rising Asia”. Our port facility is a valuable strategic resource for Dalian. It is an important program for Dalian to seek long-term development assistance, in order to be able to enlarge our port transportation system so we are able to serve the whole nation. As per the scientific concept of development and the construction of a harmonious socialist society, and according to national planning, optimizing the allocation of transportation resources, and speeding up the construction of an integrated comprehensive transportation system is a most important task of transportation construction in Dalian. Therefore, the Dalian government confers special emphasis on this conference. We hope it can serve as a platform for Academic communication and provide good suggestions for our urban development.

The aim of research is to guide practice. We sincerely hope that this conference will enable you to gain a deeper understanding of Dalian. Your hard work will provide precious intellectual support for the Dalian North-East Asia International Shipping Center Construction. We also hope that through this conference, new thinking will be triggered, and new achievements can be made for the beautiful coastal city of Dalian.

Dalian Maritime University, as the undertaker of this conference, will be a good host. We hope you will take this unique opportunity to communicate with each other. We hope this conference will give a strong push towards transportation development in Asia.

Finally, I wish this conference great success!

Xing Liangzhong

Vice-Mayor of Dalian

A handwritten signature in black ink, appearing to read 'Xing Liangzhong', written in a cursive style.



Professor Dr. Wang Zuwen

As the Head of the Organization Committee, I extend my sincere welcome to all of you - our friends and colleagues from countries in Asia as well as from other regions in the world - and, I am pleased that you are attending the 7th Eastern Asia Society for Transportation Studies Conference (EASTS). Dalian is a beautiful and romantic city and has many modern, natural and historic places you can visit while you are with us. Further, September usually offers us a warm and comfortable climate and so the time you spend visiting some of our special places will be more enjoyable because the weather is mild.

We hope that each of you will share your research achievements, exchange your ideas and experiences in the field of Asia's transportation issues with colleagues, and explore more ways to find inspiration and guidance to create future research projects. Additionally, we want you to enjoy the beauty and charm of Dalian while you are thinking about and considering innovative ways to integrate and develop Asia's transportation.

Dalian Maritime University is a higher education institution, and it has a long history in education and research in the fields of ocean transportation, and in port planning and management. In light of the increasing demand for transportation integration these days, and as an important and integral part of modern logistical research, Dalian Maritime University has been conducting intensive research in the fields of: navigational science, intelligent ocean transportation systems, efficient port management and logistical operations, advanced regional transportation infrastructure construction planning and management, and so on. These types of research projects have yielded abundant achievements, and as a consequence of this research, a large number of qualified researchers have emerged.

On the occasion of the 7th EASTS Conference at Dalian Maritime University, we would like to share our research knowledge with you, and we are looking forward to your suggestions and ideas which will help push our research thinking to a higher level. I sincerely hope that this Conference becomes the platform for the integration of transportation researchers from many different countries, and that, together we can build a solid foundation for the integration of transportation systems of different countries, and the integration of different means of transportation enhancements.

Professor Dr. Wang Zuwen
Chairman, Local Organizing Committee
President, Dalian Maritime University

A handwritten signature in black ink, appearing to be 'Wang Zuwen', written in a cursive style.



Professor Dr. Ge Jiping

On the occasion of the 7th East conference, I feel very honorable to have the chance to express our warmest welcome to all of you.

At this pleasurable season, we feel very glad to share our research achievement and experience, communicate ideas and viewpoint in the field of transportation to all of you. We will together explore some new methods and ideas to push the development of transportation which should be harmonious with the local condition and the area condition. Dalian Jiaotong University is a multidisciplinary university with the outstanding characteristics of railway traffic. We also pay attention to the transportation and logistics which is important to the city and area development. Base on the education and research in the field of the railway, we extend the education and research in the fields of the road traffic, such as the traffic planning and management, transportation safety, traffic organization, transportation infrastructure construction, etc.

This conference would be the bridge for us to know each other, and the platform to integration of transportation researches and means of traffic management from different country, different area. We hope this conference would push the traffic development in country. We also hope the integrated transportation could be founded to propel the “Rising Asia” development.

Welcome to our university!
Have a good time in Dalian!

Professor Ge Jiping
Vice Chairman, Local Organizing Committee
President, Dalian Jiaotong University

A handwritten signature in black ink, appearing to be the name 'Ge Jiping' in a stylized cursive script.

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Vice General Secretariat	ZHANG Xi	Beijing JiaoTong University

Schedule of Board Meetings and ISC Meetings

Board Meetings

Board Meeting (1) 23, Sun. 15:00-17:00 at Xinghai Golf Hotel

Representative Assembly Meeting 23, Sun. 19:00-22:00 at Xinghai Golf Hotel

Board Meeting (2) 25, Tue. 18:00-22:00 at Dalian Maritime University, Main Building

Board Meeting (3) 26, Wed. 11:00-14:30 at Dalian Maritime University, Main Building

International Scientific Committee General Assembly Meeting

Date: Tuesday, 25, September 2007

Time: 18:30-21:00

Venue: Dalian Maritime University, Main Building

Social Events

Opening Ceremony	Monday, 24, September	8.30-9:40	Great Hall of Dalian Maritime University
Keynote Lecture	Monday, 24, September	9.40-10:20	Great Hall of Dalian Maritime University
Panel Discussion	Monday, 24, September	10.30-12:00	Great Hall of Dalian Maritime University
Welcome Reception	Monday, 24, September	19.00-21:00	International Finance Convention Center Dalian
Close Ceremony	Wednesday, 26, September	17.00-18:30	Great Hall of Dalian Maritime University
Farewell Party	Wednesday, 26, September	19.00-21:00	Liangyun Hotel Dalian

Opening Ceremony

Date: Monday, 24, September 2007

Time: 8.30-9:40

Venue: Great Hall of Dalian Maritime University

Moderator: Prof. YANG Zhongzhen (Dalian Maritime University)

Greeting from Conference Committee

Greeting from Eastern Asia Society for Transportation Studies

Greeting from Dalian Government

Greeting from Local Organizing Committee

A short report from ISC Chair

Special Lecture (30 Minutes):

Title: "Current and Future Transportation in China"

Presenter: Prof. WANG Qingyun (National Development and Reform Committee)

Keynote Lecture

Date: Monday, 24, September 2007

Time: 9:40-10:20

Title: "Are Transportation Studies a Scientific Endeavor?"

Presenter: Prof. Kumares C. Sinha (Purdue University)

Venue: Great Hall of Dalian Maritime University

Moderator: Prof. LU Huapu (TsingHua University)

All participants are invited to attend the keynote speech, which will follow the Opening Ceremony in the same site.

Panel Discussion

Date: Monday, 24, September 2007

Time: 10:30-12:00

Title: Asian Integration and Transport-What should we do?

Coordinator: Tien Fang Fwa (National University of Singapore)

Panelist:

Dr. Yanqing CEN (Academy of Transportation Sciences, Ministry of Communications)

Dr. Myungsoon CHANG (Hanyang University)

Dr. Kenji ONO (Ministry of Land, Infrastructure and Transport)

Dr. Sompong SIRISOPONSILP (Chulalongkorn University)

Venue: Great Hall of Dalian Maritime University

Moderator: Prof. LU Huapu (TsingHua University)

All participants are invited to attend the Panel Discussion, which will follow the keynote speech in the same site.

Welcome Reception

Date: Monday, 24, September 2007

Time: 19.00-21.00

Venue: International Finance Convention Center Dalian

Address: NO.68 Binghai west RD, Xigang District

Registered delegates, accompanying persons, speakers and exhibitors are invited to the Welcome Reception, on Monday, 24 September 2007, which is always an excellent opportunity to renew friendships and make new acquaintances.

Closing Ceremony

Date: Wednesday, 26, September 2007

Time: 17.00-18.30

Venue: Great Hall of Dalian Maritime University

All participants are invited to attend the Close Ceremony of the 7th International Conference of Eastern Asia Society for Transportation Studies.

Farewell Party

Date: Wednesday, 26, September 2007

Time: 19.00-21.00

Venue: Liangyun Hotel Dalian

Registered delegates, accompanying persons, speakers and exhibitors are invited to the Farewell Party, on Wednesday, 26 September 2007. Join us for a fun and memorable evening. We hope the splendid and radiant ambience of the setting will absolutely give you the utmost feeling of comfort and enjoyment.

Program at a Glance

Registration

September 22, 2007, 14:00-17:00

September 23, 2007, 14:00-17:00

September 24, 2007, 7:00-8:30; 12:00-17:00

September 25&26, 2007, 7:30-15:30

September 24, 2007

8:30-9:40 Opening Ceremony

9:40-10:20 Keynote Lecture

10:20-10:30 Coffee Break

10:30-12:00 Panel Discussion

12:00-13:00 Lunch Break

13:00-14:30 Special Technical Session 1: “Prof. Yordphol Memorial”; Technical Sessions 1

14:30-14:50 Coffee Break

14:50-16:20 Special Technical Session 2: Dalian Special Session; Technical Sessions 2

16:20-16:40 Coffee Break

16:40-18:10 Special Technical Session 3; Technical Sessions 3

19:00-21:00 Welcome Party

September 25, 2007

8:30-10:00 Special Technical Session 4; Technical Sessions 4

10:00-10:20 Coffee Break

10:20-11:50 Special Technical Session 5; Technical Sessions 5

11:50-13:00 Lunch Break

13:00-14:30 Special Technical Session 6; Poster Session 1; Technical Sessions 6

14:30-14:50 Coffee Break

14:50-16:20 Special Technical Session 7; Poster Session 2; Technical Sessions 7

16:20-16:40 Coffee Break

16:40-18:10 Special Technical Session 8; Poster Session 3; Technical Sessions 8

September 26, 2007

8:30-10:00 Special Technical Session 9; Technical Sessions 9

10:00-10:20 Coffee Break

10:20-11:50 Special Technical Session 10; Technical Sessions 10

11:50-13:00 Lunch Break

13:00-14:30 Special Technical Session 11; Technical Sessions 11

14:30-14:50 Coffee Break

14:50-16:20 Special Technical Session 12; Technical Sessions 12

17:00-18:30 Closing Ceremony

19:00-21:00 Farewell Party

September 27, 2007

Technical Tour (Meeting Time 8:30, at the lobby of the venue)

Technical Session Schedule

Sep. 24, 2007

9:40-10:20	Keynote Lecture	(Great Hall)		Are Transportation Studies a Scientific Endeavor?				Kumares C. Sinha		
10:30-12:00	Panel Discussion	(Great Hall)		Asian Integration and Transport - What should we do?				Coordinator: Tien Fang Fwa		
								Panelists :Dr. Yanqing CEN Prof. Myungsoon CHANG Dr. Kenji ONO Prof. Sompong SIRISOPONSILP		
	Special Technical Session	Technical Session								Poster Session
	Room 1 (204)	Room 2 (202)	Room 3 (203)	Room 4 (205)	Room 5 (206)	Room 6 (302)	Room 7 (303)	Room 8 (304)	Room 9 (305)	
13:00-14:30	Professor Yordphol Tanaboriboon’s Memorial Traffic Safety Session	Environmental Conservation	Tourism	Highway Planning & Design	Land Use & Transport	Pedestrian (1)	Logistics Policy	Traffic Signal	Project Management	
	Pichai TANEERANANON	Yan Guohua	Naohisa OKAMOTO	Young-in KWON	Noriel Christopher C. TIGLAO	to be assigned	Jin Zhihong	Jose Regin F. REGIDOR	Kazuaki MIYAMOTO	
14:50-16:20	Planning and Construction of Transportation System under Urbanization in Dalian	Environment and Emissions	Accident Analysis (1)	Transport Demand Analysis (1) Vehicle Ownership	Regional & Urban Planning (1)	Pedestrian (2)	Freight Modeling	Traffic Flow Analysis (1)	Public Management	
	Zhongzhen YANG	Jean-Paul THULL	Hsin-Li CHANG	Alexis Morales FILLONE	Crispin Emmanuel D. DIAZ	William H.K. LAM	Jun Taberna CASTRO	Karl N. VERGEL	Trinh Van CHINH	
16:40-18:10	ICRA(1) Dynamics of Poly- centric Employment Formation in East and Southeast Asian Cities	Environment ly Sustainable Transport (1)	Accident Analysis (2)	Transport Demand Analysis (2) Car Use & Drivers' Behavior	Regional & Urban Planning (2)	Public Transport (1) Operation	Supply Chain	Traffic Flow Analysis (2)	Public Involvement	
	John BLACK	Jean-Paul THULL	Mohamed Rehan KARIM	Jaehak OH	Keiichi KITAZUME	Shyue Koong CHANG	Kyungwoo KANG	Atsushi FUKUDA	Shintaro TERABE	

Sep. 25, 2007

	Special Technical Session	Technical Session							Poster Session
	Room 1 (204)	Room 2 (202)	Room 3 (203)	Room 4 (205)	Room 5 (206)	Room 6 (302)	Room 7 (303)	Room 8 (304)	
8:30-10:00	ICRA Inter-regional Valuation of Transport Safety and Exploration of Social Attitudes towards Safety Improvements Considering Southeast Asian Cities in China, Malaysia, and Indonesia	Environmentally Sustainable Transport (2)	Accident Analysis (3)	Transport Demand Analysis (3) Policy & Modeling	Air Transport (1)	Public Transport (2) Bus Modeling	Road Pavement (1)	Highway Capacity and Quality of Service	
	Dilum DISSANAYAKE	Jen-Jia LIN	Tri TJAHJONO	Qiang MENG	Kazuyuki TAKADA	Kiyoshi TAKAHASHI	Kunnawee KANITPONG	Zheng Chuanchao	
10:20-11:50	IRG 03 Dynamics of Poly-centric Employment Formation in East and Southeast Asian Cities	Economic Impact Analysis	Accident Analysis (4)	Transport Demand Analysis (4) Integrated Modeling	Air Transport (2)	Public Transport (3) Bus Performance	Road Pavement (2)	Transport Network (1)	
	Pelin ALPKOKIN	Kyung Soo CHON	Lee Chi-Kang	Ofyar Z TAMIN	Shinya HANAOKA	Yang Zhongzhen	Kunnawee KANITPONG	Feng Fenling	
13:00-14:30	IRG 02 International, Inter-regional, and City Logistics Research Group in Wide Variety of Asian Region	Environmentally Sustainable Transport (3)	Accident Analysis (5)	Transport Demand Analysis (5) Trip Generation & Distribution	Air Transport (3)	Public Transport (4) Planning	Road Pavement (3)	Transport Network (2)	Poster Session 1
	T. F. FWA	Yan Guohua	Toru HAGIWARA	Ofyar Z TAMIN	Terumitsu HIRATA	Yang Zhongzhen	Zhao Yinghua	Liu Changyou	
14:50-16:20	IRG 01 Sustainable Transport for East Asian Megacities (STREAM)(1)	Urban Logistics (1)	Project Evaluation and Cost Analysis	Transport Demand Analysis (6) Mode Choice 1	Airport Planning (1)	Public Transport (5) Paratransit	Road Pavement (4)	Traffic Control	Poster Session 2
	Shigeru MORICHI	Eiichi TANIGUCHI	Sengsavang PHANDANOUVONG	Chieh-Hua WEN	Hideyuki KITA	Wu Chaozhong	Zhao Jing	S. C. WONG	
16:40-18:10	IRG 01 Sustainable Transport for East Asian Megacities (STREAM)(2) (16:40-17:30)	Urban Logistics (2)	Efficiency and Productivity	Transport Demand Analysis (7) Mode Choice 2	Airport Planning (2)	Public Transport (6) Passenger's Behavior	Road Pavement (5)	Intersection	Poster Session 3
	Shigeru MORICHI	Tadashi YAMADA	Sutanto SOEHODHO	Dilum DISSANAYAKE	Seock-Jin HONG	Wu Chaozhong	Jian-Shiuh CHEN	Youngchan KIM	

Sep. 26, 2007

	Special Technical Session	Technical Session							Poster Session
	Room 1 (204)	Room 2 (202)	Room 3 (203)	Room 4 (205)	Room 5 (206)	Room 6 (302)	Room 7 (303)	Room 8 (304)	
8:30-10:00	IRG 06 Building ITS Development Scheme in Asian Context	Motorcycle	Travel Survey	Transport Demand Analysis (8) Traffic Dynamics	Water Transport	Public Transport (7) Railway Planning	Road Maintenance (1)	Traffic Safety (1)	
	Tetsuo SHIMIZU	to be assigned	Takamasa IRYO	Qunren LI	Toshikazu SHIMAZAKI	Naohiko HIBINO	Zhao Yinghua	Jeremy WOOLLEY	
10:20-11:50	IRG 07 Risk Management of Transport and Logistics for Natural Disasters and Mega Events	Pricing (1)	Travel Time Estimation	Transport Demand Analysis (9) Traffic Simulation & Analysis	Port Planning & Operation (1)	Public Transport (8) Railway Engineering	Road Maintenance (2)	Traffic Safety (2)	
	to be assigned	Sun Yuqing	Agachai SUMALEE	Dongjoo PARK	Yang Hualong	Zhang Tao	Chuanchao ZHENG	Nguyen Xuan DAO	
13:00-14:30	IRG05 Culturally Sensitive Pedestrian-centric Philosophy to Advancement of Urban Form in East Asia	Pricing (2)	Value Analysis	Transport Demand Analysis (10) Traffic Assignment	Port Planning & Operation (2)	Public Transport (9) Urban Railways	Road Maintenance (3)	ITS (1)	
	Upali Vandebona	Sun Yuqing	Sun Peiting	Huapu LU	Ryuichi SHIBASAKI	Seiji IWAKURA	Zheng Chuanchao	Sorawit NARUPITI	
14:50-16:20	IRG 11 Research on the Flow of International Air Cargo in East Asian Region	Telecommuting	Activity Analysis		Port Planning & Operation (3)	Public Transport (10) Universal Transport	Risk Management	ITS (2)	
	Seock-Jin HONG	Wu Chaozhong	Junyi Zhang		Wang Jun	Choung Kym KIM	Shengchuan ZHAO	Hidekatsu HAMAOKA	

Technical Session Program

Meeting Room 1

Meeting Room 1: A (September 24th : 13:00-14:30)

[1A] Special Session "Professor Yordphol Tanaboriboon's Memorial Traffic Safety Session"

Chairperson: Pichai TANEERANANON

MC: Dr Wichuda Kowtanapanich

1. Introduction (Dr. Pichai)
2. Video presentation on the Academic life of Professor Yordphol Tanaboriboon
3. Memorial speech from key personalities
(Professor Shigeru Morichi, Professor Hajime Inamura, Professor Tien Fang Fwa, Professor Okuyama, and Professor Yordphol's former students: tentative)
4. Presentation on Road Safety in Thailand (Dr. Pichai)
5. Road Safety Research Presentation (Dr Wichuda Kowtanapanich)

Meeting Room 1: B (September 24th : 14:50-16:20)

[1B] Special Session "Planning and Construction of Transportation System under Urbanization in Dalian"

Chairperson: Zhongzhen YANG

1. Urbanization and Relocation of the Ports: HUI Kai (Port of Dalian Authority)
2. Rail and BRT System in Dalian : YANG Zhongzhen (Dalian Maritime University)
3. Optimization of the Port Distribution in Dalian: GUO Zijian (Dalian University of Technology)
4. Highway System in Dalian metropolitan area: YAO Yulin (Dalian Communication Bureau)
5. Urban Planning and Urbanization in Dalian: JUN Haimin (Dalian Urban Planning Bureau)

Meeting Room 1: C (September 24th : 16:40-18:10)

[1C] ICRA IRG 03: Dynamics of Poly- centric Employment Formation in East and Southeast Asian Cities

Chairperson: John BLACK

100430 (Academic): POLY-CENTRIC EMPLOYMENT FORMATION IN MEGA-CITIES: ANALYSIS FROM APEC-TR COLLABORATIVE RESEARCH

Pelin ALPKOKIN*, John BLACK, Hirokazu KATO, Varameth VICHSENSA (* denotes the presenter)

100417 (Academic): POLICIES FOR EMPLOYMENT CENTERS IN METROPOLITAN REGIONS

Stefan KLUG*, Pelin ALPKOKIN, John BLACK, Yoshitsugu HAYASHI

100411 (Academic): TOKYO METROPOLITAN AREA EMPLOYMENT CLUSTER FORMATION IN LINE WITH ITS EXTENSIVE RAIL NETWORK

Pelin ALPKOKIN, Naohisa KOMIYAMA*, Hiroyuki TAKESHITA, Hirokazu KATO

100506 (Academic): POLY-CENTRIC EMPLOYMENT LOCATION IN CANBERRA: PLANNING A HOME-WORK BALANCE AND THE JOURNEY-TO-WORK

Charles CHEUNG*, John BLACK

Meeting Room 1: D (September 25th : 8:30-10:30)

[1D] ICRA: Inter-regional Valuation of Transport Safety and Exploration of Social Attitudes towards Safety Improvements Considering Southeast Asian Cities in China, Malaysia, and Indonesia: Comparative Investigation of WTP Vs Traditional Gross (Net)-Output Methods

Chairperson: Dilum DISSANAYAKE

100370 (Academic): LAND USE FACTORS AND THE RISK FOR CHILD PEDESTRIANS

James ARYAIJA, Dilum DISSANAYAKE*, D. M. Priyantha WEDAGAM, Roger BIRD

Meeting Room 1: E (September 25th: 10:20-11:50)

[1E] ICRA IRG 03: Dynamics of Poly- centric Employment Formation in East and Southeast Asian Cities (1)

Chairperson: Pelin ALPKOKIN

100471 (Academic): POLICIES, COMMUTING PATTERNS AND ACCESSIBILITY IN A NON-MONOCENTRIC CITY: CASE STUDY OF DELHI

Kirti BHANDARI*, Peng JIA, Pelin ALPKOKIN, D MUKHOPADHYAY, S GANGOPADHYAY

100522 (Academic): DYNAMICS OF URBAN STRUCTURE IN BANGKOK BASED ON EMPLOYMENT CLUSTER AND COMMUTING PATTERN

Varameth VICHENSAN*

100602 (Practical): DYNAMICS OF EMPLOYMENT LOCATION-SPECIFIC PREFERENCE FUNCTIONS IN SAPPORO FROM 1972 TO 1994

Yuzo MASUYA*, Tohru TAMURA, Kazuo SAITO, John BLACK

100305 (Academic): METRICS OF CHANGES TO MAJOR EMPLOYMENT CENTRES: ANALYSES OF SPATIAL PLANS FOR SYDNEY 1948 - 2031

John BLACK*, Charles CHEUNG, Ken DOUST, Ofra SHABTAY

Meeting Room 1: F (September 25th: 13:00-14:30)

[1F] IRG 02: International, Inter-regional, and City Logistics Research Group in Wide Variety of Asian Region (2)

Chairperson: T. F. FWA

100142 (Academic): AN APPROXIMATION ALGORITHM FOR QUAY CRANE SCHEDULING WITH NON-CROSSING AND SAFETY DISTANCE CONSTRAINTS IN PORT CONTAINER TERMINALS

Der-Horng LEE*, Hui Qiu WANG, Lixin MIAO

100150 (Academic): MULTI-AGENT MODELLING FOR EVALUATING DYNAMIC VEHICLE ROUTING AND SCHEDULING SYSTEMS

Eiichi TANIGUCHI*, Tadashi YAMADA, Masayuki OKAMOTO

100329 (Academic): IMPACT OF CHINESE PORT POLICY USING THE MODEL FOR INTERNATIONAL CONTAINER CARGO SIMULATION

Ryuichi SHIBASAKI*, Yasuo KANNAMI, Hitoshi ONODERA, Jiaqi LI, Lixin MIAO, Tomihiro WATANABE

100536 (Academic): DYNAMIC VEHICLE ROUTING AND SCHEDULING WITH REAL TIME TRAVEL TIMES ON ROAD NETWORK

Eiichi TANIGUCHI, Naoki ANDO*, Masayuki OKAMOTO

100565 (Practical): DESIGN AND IMPLEMENTATION OF A REAL-TIME GOODS TRACING SYSTEM

Xinying WANG*, Xiangwen LI

Meeting Room 1: G (September 25th: 14:50-16:20)

[1G] IRG 01: Sustainable Transport for East Asian Megacities (STREAM)(1)

Chairperson: Shigeru MORICHI

100592 (Practical): NEW PERSPECTIVES ON URBAN TRANSPORT POLICIES FOR EAST ASIAN MEGACITIES

Shigeru MORICHI*, Surya Raj ACHARYA

100627 (Practical): REVIEW OF URBAN TRANSPORT POLICY AND ITS IMPACT IN BANGKOK

Shinya HANAOKA*

100643 (Practical): CASE STUDY OF SUSTAINABLE TRANSPORT FOR EAST ASIAN MEGACITIES (STREAM) - URBAN TRANSPORT IN TAIPEI

Cheng-Min FENG, Yi John SUN*, Shiaw-Shyan LUO

100649 (Practical): MANAGING MOTORIZATION AND TIMING OF MASS RAPID TRANSIT IN EAST ASIAN MEGACITIES

Surya Raj ACHARYA*, Shigeru MORICHI

100651 (Practical): CHANGING FEATURES AND CHALLENGING ISSUES ON URBAN DEVELOPMENT AND TRANSPORTATION IN THE SEOUL METROPOLITAN AREA

Hyun-Gun SUNG*, Hye-Ja KIM

Meeting Room 1: H (September 25th: 16:40-17:30)

[1H] IRG 01 :Sustainable Transport for East Asian Megacities (STREAM)(2)

Chairperson: Shigeru MORICHI

100655 (Practical): SUSTAINABLE TRANSPORT IN EAST ASIAN MEGACITIES-CASE STUDY ON SHANGHAI

Haixiao PAN*, Weiwei LIU

100665 (Practical): CHALLENGES FOR SUSTAINABLE MOBILITY IN MEGACITIES: A CASE OF GREATER JAKARTA

Danang PARIKESIT*, Susantono BAMBANG

100667 (Practical): ISSUES AND DIRECTIONS ON INTEGRATED PUBLIC TRANSPORT IN METROPOLITAN MANILA

Noriel Christopher TIGLAO*, Ildefonso, Jr. PATDU

Meeting Room 1: I (September 26th: 8:30-10:00)

[1I] IRG 06: Building ITS Development Scheme in Asian Context

Chairperson: Tetsuo SHIMIZU

100352 (Academic): METHODOLOGICAL FRAMEWORK FOR DEVELOPING A REAL-TIME INTELLIGENT DECISION SUPPORT SYSTEM FOR URBAN TRAFFIC CONGESTION MANAGEMENT

Xiaojie TAN*, Jing ZHOU

100596 (Practical): ESTABLISHING TECHNOLOGICAL BASIS FOR REALIZING THE NEXT-GENERATION ROAD SERVICES

Hirai SETSUO*, Hatakenaka HIDEITO, Manabe YASUYUKI

100490 (Academic): QUALITY OF TRAVEL TIME ESTIMATION FROM PROBE VEHICLES: A SIMULATION STUDY

Sorawit NARUPITI, Masria MUSTAFA*

100496 (Academic): OPTIMAL UPDATE INTERVAL OF ON-LINE DEPARTURE TIME-BASED LINK TRAVEL TIME INFORMATION

Jaejin KIM, Dongjoo PARK*, Jeonghyun RHO, Seong NAMKOONG

100576 (Practical): DEVELOPMENT AND PRACTICAL VERIFICATION OF PEDESTRIAN INFORMATION SYSTEM IN THE INTERMEDIATE AND MOUNTAINOUS AREA

Shuichi MATSUMOTO, Keizo TSUTSUI, Yasuhiro MIYATAKE*, Hiromichi KUBO, Yasuhiko KUMAGAI

Meeting Room 1: J (September 26th : 10:20-11:50)

[1J] IRG 07: Risk Management of Transport and Logistics for Natural Disasters and Mega Events

Chairperson:

100637 (Practical): SUPPLY CHAIN RISK MANAGEMENT IN THE INTERNATIONAL LOGISTICS ENVIRONMENT

Dan WANG*, Zan YANG

100151 (Academic): ANALYSIS ON THE CONSCIOUSNESS ABOUT DEPARTURE BEHAVIOR AND TRAFFIC MEASURES BY USING DRIVER'S EXPERIENCE DATA UNDER DOWNPOUR

Motohiro FUJITA, Jun SAKAMOTO*, Koji SUZUKI

100631 (Practical): A STUDY OF EARTHQUAKE AFFECTED ROADS IN PAKISTAN AND SOLUTION TO THE PROBLEMS

Kamran Muzaffar KHAN*, Navid AKHTER, Mumtaz Ahmed KAMAL

100484 (Academic): EMERGENCY TRIP DESTINATION OF EVACUATION AS SHELTER ANALYSIS FOR TSUNAMI DISASTER: A CASE STUDY IN PHUKET, THAILAND

Thai CHARNKOL*, Shinya HANAOKA, Yordphol TANABORIBOON

100172 (Academic): A VISUALIZATION OF THE IMPACT OF DISASTERS TO INTERNATIONAL TOURISM USING TOURIST DESTINATION BRANDING INDEX

Vasanthan Saman Kumara WICKRAMAGHE*, Shin-Ei TAKANO

Meeting Room 1: K (September 26th : 13:00-14:30)

[1K] IRG 05: Culturally Sensitive Pedestrian-centric Philosophy to Advancement of Urban Form in East Asia

Chairperson: Upali Vandebona

100371 (Academic): COMPARISON OF ATTITUDES TOWARD WALKING IN JAPANESE CITIES

Hiroshi TSUKAGUCHI*, Upali VANDEBONA, Shinji SUGIHARA, Kuang-Yih YEH

100487 (Academic): STREET SPACE SUSTAINABILITY IN ASIA: THE ROLE OF THE ASIAN PEDESTRIAN AND

Meeting Room 1: L (September 26th:14:50-16:20)

[1L] IRG 11:Research on the Flow of International Air Cargo in East Asian Region

Chairperson: Seock-Jin HONG

100393(Academic): DEMAND MODELING OF JAPAN INTERNATIONAL AIR CARGO MARKET BY THE COMBINATION OF TRADE DATA AND COMMODITY FLOW SURVEY

Jim Joel Cristobal MADRIGAL*, Tetsuro HYODO, Yoji TAKAHASHI

100552 (Practical): DETERMINING THE PRIORITY OF TRANSPORT POLICIES: WITH A SPECIAL FOCUS ON THE DATA ENVELOPMENT ANALYSIS USING RANKED VOTING DATA

Seock-Jin HONG*, Jae-Hak OH

100663 (Practical): A STUDY ON COMPETITIVENESS OF INCHEON INTERNATIONAL AIRPORT FOCUSING ON MEASURING THE SERVICE QUALITY OF PASSENGER TERMINAL

Seock-Jin HONG, Tae-Kyu KIM*

Meeting Room 2

Meeting Room 2: A (September 24th: 13:00-14:30)

[2A] Environmental Conservation

Chairperson: Yan Guohua

100180 (Academic): THE STUDY OF THE URBAN TRACK TRANSPORTATION NOISE PREVENTION AT TAIPEI

Sy CHANG*, K.Y. CHANG, B.C. YEN, Yu Ying LEE, Pei Yi CHANG

100404 (Academic): STUDY ON SITUATIONAL ANALYSIS OF ENVIRONMENT CONSERVATION PROJECTS AROUND ROADSIDE IN JAPAN

Hideyuki ITO*, Atshushi FUKUDA

100440 (Academic): ENVIRONMENTAL EFFICIENCY ANALYSIS OF TRANSPORTATION SYSTEM: A STOCHASTIC FRONTIER APPROACH WITH FLEXIBLE CAUSE-EFFECT STRUCTURE

Tao FENG*, Junyi ZHANG, Akimasa FUJIWARA

100493 (Academic): MOBILITY IN NEW ZEALAND - BACKGROUND KNOWLEDGE FOR DECISION-MAKERS

Jean-Paul THULL*

100360 (Academic): COMPARATIVE STUDY OF TRAFFIC CALMING DESIGN PROCESS

Farzana RAHMAN*, Hisashi KUBOTA, Kunihiro SAKAMOTO

Meeting Room 2: B (September 24th: 14:50-16:20)

[2B] Environment and Emissions

Chairperson: Jean-Paul THULL

100499 (Academic): AN INTEGRATED MICROSCOPIC SIMULATION MODEL FOR ESTIMATING POTENTIAL EMISSIONS IMPACTS OF TRUCK-INVOLVED TRANSPORTATION POLICIES

Minyoung PARK, Younshik CHUNG, Yong Jin KIM*

100522 (Academic): CO₂ EMISSION: STATUS, REDUCTION POLICY AND MANAGEMENT STRATEGY OF TAIWAN TRANSPORTATION SECTOR

Kevin P. HWANG, Po-Shine TSENG*

100386 (Academic): BIVARIATE PROBIT MODEL OF ON-ROAD EMISSION MEASUREMENT OF PASSENGER CARS IN JAKARTA CITY

Sudarmanto Budi NUGROHO*, Akimasa FUJIWARA, Junyi ZHANG, Metin SENBIL

100469 (Academic): DEVELOPMENT OF POLICY INSTRUMENTS FOR EMISSION STANDARDS COMPLIANCE OF MOTORIZED THREE-WHEELERS

Manuel Jose, Dulay CAMAGAY*, Karl, Nepomuceno VERGEL

Meeting Room 2: C (September 24th: 16:40-18:10)

[2C] Environmentally Sustainable Transport (1)

Chairperson: Jean-Paul THULL

100034 (Academic): ADVANCED TRAFFIC CONTROL SYSTEM IMPACTS ON ENVIRONMENTAL QUALITY IN A

LARGE CITY IN A DEVELOPING COUNTRY

Caroline SUTANDI*

100232 (Academic): URBAN GOVERNANCE OF PACKAGING ENVIRONMENTALLY SUSTAINABLE TRANSPORT
POLICIES: INDICATOR DEVELOPMENT AND APPLICATION

Junyi ZHANG*, Akimasa FUJIWARA

100483(Academic):INTEGRATING ENVIRONMENTALLY SUSTAINABLE TRANSPORT AND METROPOLITAN
DEVELOPMENT UNDER A DECENTRALIZED FRAMEWORK

Noriel Christopher C.TIGLAO*,Karl N.VERGEL

Meeting Room 2: D (September 25th: 8:30-10:00)

[2D] Environmentally Sustainable Transport (2)

Chairperson: Jen-Jia LIN

100008 (Academic):RISK OF ENERGY CONSTRAINED ACTIVITY-TRANSPORT SYSTEMS

Andre DANTAS, Susan KRUMDIECK*, Shannon PAGE

100014(Academic):RELATIONSHIPS BETWEEN OIL PRICE AND TAIWAN'S AUTOMOBILE DEMAND:A
COINTEGRATION AND GRANGER CAUSALITY TEST

Chi-Chung WANG, Kevin P.HWANG*, Ya-Yun CHENG

100307 (Academic):MAXIMUM TRIPS UNDER ENVIRONMENT CONSTRAINT

Otkur GOJASH*, Atsushi FUKUDA, Yuichiro KANEKO, Tomonobu INOKUCHI

100447 (Academic):MODELING THE LEVEL OF ENVIRONMENTALLY SUSTAINABLE CAR OWNERSHIP

Tao FENG*, Junyi ZHANG, Akimasa FUJIWARA

Meeting Room 2: E (September 25th: 10:20-11:50)

[2E] Economic Impact Analysis

Chairperson: Kyung Soo CHON

100577 (Academic):EMPIRICAL ANALYSIS ON THE IMPACT OF ECONOMIC DEVELOPMENT IN NORTHEAST CHINA
ON THROUGHPUT OF DCT

Jing LI*, Jing LU

100219 (Academic):THE EFFICIENCY EVALUATION OF THE TRANSPORTATION-REGIONAL ECONOMY COMPOSITE
SYSTEM BASED ON DEA

Wei Xiong ZHA*, Fen Jie QIU, Lin LIU

100338(Academic): IDENTIFYING TRANSPORT INFRASTRUCTURE INVESTMENT WITH MAXIMUM IMPACT: A
SAM-BASED SCGE APPROACH

Cristela Goce DAKILA*, Shoshi MIZOKAMI

100344(Academic):EFFICIENCY EVALUATION OF CHINESE TRANSPORTATION SYSTEM'S RESOURCE
ALLOCATION BASED ON DATA ENVELOPMENT ANALYSIS

Dan WANG*, Zan YANG

100347(Academic): DYNAMIC CGE MODEL CONSIDERING DISEQUILIBRIUM ACCUMULATION PROCESS OF

Meeting Room 2: F (September 25th: 13:00-14:30)

[2F] Environmentally Sustainable Transport (3)

Chairperson: Yan Guohua

100454 (Academic): PUBLIC TRANSPORT POLICIES AND THE ROAD-BASED PUBLIC TRANSPORT SERVICE IN DEVELOPING COUNTRIES: THE CASE OF INDIGENOUS PUBLIC TRANSPORT MODES IN DAVAO CITY PHILIPPINES

Marie Danielle Vivas GUILLEN*, Haruo ISHIDA, Naohisa OKAMOTO, Morito TSUTSUMI

100574 (Practical): TRANSPORTATION RESEARCH LINKS BETWEEN EU AND ASIA FOR SUSTAINABLE DEVELOPMENT (TRANSLINK)

Tri TIAHJONO*, Karl BANG, Nicholas MARLER, Sabariah MOHAMAD

100107(Academic): THE EXPLORATION OF THE SUSTAINABILITY OF URBAN TRANSPORT IN MEDAN, INDONESIA

Tri Basuki JOEWONO*, Wimpy SANTOSA, Hisashi KUBOTA

100275 (Academic): A REFLECTION OF MOTORIZATION AND PUBLIC TRANSPORT IN JAKARTA METROPOLITAN AREA: LESSONS LEARNED AND FUTURE IMPLICATIONS TOWARDS BETTER TRANSPORTATION DEVELOPMENT IN DEVELOPING COUNTRIES

Yusak Octavius S USILO*, Tri Basuki JOEWONO, Wimpy SANTOSA, Danang PARIKESIT

100554 (Practical): STRATEGY ON SUSTAINABLE PUBLIC PASSENGER TRANSPORT DEVELOPMENT IN LARGE CITIES IN VIETNAM

Tuan Huy LY*

Meeting Room 2: G (September 25th: 14:50-16:20)

[2G] Urban Logistics (1)

Chairperson: Eiichi TANIGUCHI

100145 (Academic): AN ANALYSIS ON CHOICE BEHAVIOR ON THE PICK-UP POINT FOR THE E-COMMERCE RETAILING DELIVERY USING A CUSP CATASTROPHE MODEL

Yu Kai HUANG, Cheng-Min FENG*

100240 (Academic): EVALUATION OF SAFETY AND EFFICIENCY OF CARGO DELIVERIES BY TRUCK BASED ON PROBE DATA

Michiyasu ODANI*, Yasuhito TANAKA, Kenichiro NAKAMURA, Naoya AKITA

100261 (Academic): SEARCH FOR SUITABLE URBAN FREIGHT DISTRIBUTION MEASURES: THE CASE OF HORIZONTAL AND VERTICAL COOPERATIVE DELIVERY SYSTEM

Nashreen G. SINARIMBO*, Yoji TAKAHASHI, Tetsuro HYODO

100320 (Academic): DYNAMIC FLEET MANAGEMENT UNDER REAL-TIME INFORMATION

Tsai-Yun LIAO*, Ta-Yin HU, Hsin-Hwa KUO

100586 (Practical): A STUDY OF TRANSPORTATION SYSTEM FOR EUCALYPTUS BARS USED IN CONSTRUCTION

INDUSTRY

Ritsee HONGSAKO RN*

Meeting Room 2: H (September 25th: 16:40-18:10)

[2H] Urban Logistics (2)

Chairperson: Tadashi YAMADA

100231 (Academic): A HYBRID LAGRANGIAN HEURISTIC/SIMULATED ANNEALING ALGORITHM FOR THE MULTI-DEPOT LOCATION ROUTING PROBLEM

Chia-Ho CHEN, Ching-Jung TING*

100241 (Academic): AN ANALYSIS ON CITY FREIGHT COOPERATIVE TRANSPORTATION SYSTEM USING GAME THEORY

Dong YANG*, Michiyasu ODANI

100311 (Academic): A HEURISTIC BASED ON MODIFIED LAGRANGIAN RELAXATION FOR THE VEHICLE ROUTING PROBLEM

Kuancheng HUANG*, Tai-Yi WU

100441 (Academic): ANT COLONY SYSTEM BASED APPROACHES TO THE AIR-EXPRESS COURIER'S ROUTING PROBLEM

Wilson W.LAN*, Ching-Jung TING, Kun-Chih WU

100591 (Practical): AN IMPROVED ANT COLONY OPTIMIZATION FOR VEHICLE ROUTING PROBLEM

Jinbao YAO*, Baozhen YAO, Peng JIA

Meeting Room 2: I (September 26th: 8:30-10:00)

[2I] Motorcycle

Chairperson:

100324 (Academic): DIFFERENT MODELS OF SATURATION FLOW IN TRAFFIC DOMINATED BY MOTORCYCLES

Hien Quoc NGUYEN*, Frank MONTGOMER

100327 (Academic): ACCELERATION AND DECELERATION MODELS OF MOTORCYCLES AT SIGNALIZED INTERSECTIONS

Cong Minh CHU*, Kazushi SANO, Shoji MATSUMOTO

100351 (Academic): DYNAMIC MOTORCYCLE UNIT AND MEAN STREAM SPEED UNDER MIXED TRAFFIC CONDITIONS ON URBAN ROADS

Nguyen CaoY*, Kazushi SANO, Chu Cong MINH, Shoji MATSUMOTO

100527 (Academic): TREATING MOTORCYCLES TO INCREASE THE CAPACITY OF A SIGNALIZED INTERSECTION

Sigit PRIYANTO*

100250 (Academic): BINARY CHOICES MODEL TO VALUE MOTORCYCLIST'S SLIGHT INJURY COST IN SURABAYA

Hera WIDYASTUTI*, Corinne MULLEY, Dilum DISSANAYAKE

Meeting Room 2: J (September 26th: 10:20-11:50)

[2J] Pricing (1)

Chairperson: Sun Yuqing

100196 (Academic):A MULTI-CLASS CONGESTION-PRICING PROBLEM IN A CONTINUUM TRANSPORTATION SYSTEM

H.W. HO, S.C. WONG*, Timothy D.HAU

100198 (Academic):STUDY ON THE CHARACTERISTICS OF CONGESTION PRICING

Zaw Naing WIN*, Hisashi KUBOTA, Kuniniro SAKAMOTO

100450 (Academic):AN ESTIMATION OF THE APPLICABLE LONG-RUN ROAD PRICING CONSIDERED CAPITAL INVESTMENT AND THE DEGREE OF CONGESTIONS

Kyungwoo KANG*, Dongyong CHOI, Wookag KOOK, Jongheun KIM

100550 (Practical): RESEARCH ON TOLL RATE EXCELLENT MODEL OF HIGHWAY

Shi SHIYING*

100650 (Practical):ROAD TRANSPORT TAXATION AND CHARGING TRENDS AND STRATEGIES IN EAST ASIA

Michelle PARUMOG*, Surya Raj ACHARYA

Meeting Room 2: K (September 26th: 13:00-14:30)

[2K] Pricing (2)

Chairperson: Sun Yuqing

100040 (Academic):A STUDY OF AIRLINE TICKET PRICING IN CHINA

Zhongzhen YANG*, Lu WANG

100300 (Academic): THE PROSPECT OF A WINTER SNOW CHARGING SYSTEM

Arshad BAHARUDI*, Seiichi KAGAYA

100309 (Academic):INCORPORATING LAND USE, TRANSPORT AND ENVIRONMENTAL CONSIDERATIONS INTO TIME-DEPENDENT TOLLING STRATEGIES

Xiaoqing LI, Wai Yuen SZETO*, Margeret O'MAHONY

100652 (Practical):SOCIAL EXPERIMENT ON DISTANCE-BASED TOLLING SYSTEM FOR METROPOLITAN EXPRESSWAY

Kouichi SAKAI*, Masahiro SHIMAZAKI

100664 (Practical):EXAMINING EFFECTS OF TDM WITH TOLL DISCOUNT ON MITIGATION OF EXPRESSWAY TRAFFIC CONGESTION

Hideki TAKAHASHI*, Hiroyuki KAMEOKA, Kazumi MABUCHI, Hisanaga S ATO, Jian XING

Meeting Room 2: L (September 26th: 14:50-16:20)

[2L] Telecommuting

Chairperson: Wu Chaozhong

100127 (Academic):PREDICTING AGGREGATE TRAVEL DEMANDS OF JAPAN UNDER THE IMPACT OF TELECOMMUNICATIONS

Ming-Hsiung HSIAO*

100407 (Academic):INDIVIDUAL CHOICE BEHAVIOR TOWARDS TELECOMMUTING

Chaug-Ing HSU*, Min-Ling CHIANG , Fa-Chu CHANG

100056 (Academic):ANALYSING THE POTENTIAL OF TELECOMMUTING AS A SUBSTITUTE FOR COMMUTE TRAVEL

Abdul Azeez KADAR HAMSA*, Wan Nurul Mardiah WANMOHDRANI

Meeting Room3

Meeting Room 3: A (September 24th: 13:00-14:30)

[3A] Tourism

Chairperson: Naohisa OKAMOTO

100124 (Academic):RELATIONSHIP BETWEEN TOURIST SHOPPING INVOLVEMENT AND TRAVEL BEHAVIOR: A CASE STUDY OF TAIWANESE OUTBOUND TOURISTS

Kevin P.HWANG, James NGUYEN, Yung Jai DAI*, Janet V.HWANG

100263 (Academic):ANALYSIS OF INTERACTION BETWEEN REGIONS FOR PURPOSE OF SIGHTSEEING IN JAPAN

Yoshihiko MANNAMI*, Akio KONDO, Akiko KONDO, Kanako OTSUKA, Ken-Ichi OHASHI

100406 (Academic):FORECASTING THE INTERNATIONAL TOURISM DEMAND FROM EAST ASIA TO JAPAN

Naohisa OKAMOTO, Takeshi KURIHARA*, Haruo ISHIDA

100560 (Practical):SCM IN ECOTOURISM PLANNING AND MANAGEMENT: A CASE OF CHIKU LAGOON

Kevin P.HWANG, Yeong-Jia DAY*

100561(Practical):RISK SEGMENTATION OF TOURISTS - AN APPLICATION OF SOM

Kevin P.HWANG, Yeong-Jia DAY*

Meeting Room 3: B (September 24th: 14:50-16:20)

[3B]Accident Analysis (1)

Chairperson: Hsin-Li CHANG

100086 (Academic): COLLISION RISK ANALYSIS IN AIR TRAFFIC CONTROL

Dongbin LI*, Xiaohao XU, Xiong LI, Jinjin GUO

100222(Academic):ACCIDENT RISK AT A RAILWAY LEVEL CROSSING

Chi-Kang Lee*, Shou-Ren HU

100162(Academic):IS IT A TIMELY APPROACH FOR BUS ACCIDENT INVESTIGATION IN THAILAND?

Mouyid Bin ISLAM, Sattrawut PONBOON, Nuttapong BOONTOB, Kunnawee KANITPONG*

100203(Academic):BUS ACCIDENT A PROBLEM IN PUBLIC TRANSPORT IN HANOI TODAY

Tu Anh TRINH, Thuy Anh TRINH*

100328(Academic):DEVELOPMENT OF SYSTEM FOR THE VISIBILITY RISK AT RAILROAD CROSSINGS

Yong-Gwan LEE*, Hye-Ran KIM, Chang-Ho PARK, Seung-Young KHO

Meeting Room 3: C (September 24th: 16:40-18:10)

[3C]Accident Analysis (2)

Chairperson: Mohamed Rehan KARIM

100084 (Academic): THE EFFECT OF THE GEOMETRIC VARIABLES TO THE RISK OF ACCIDENTS ON INDONESIAN TOLL ROADS

Tri TJAHJONO*

100398(Academic): EFFECTS OF ROAD GEOMETRY AND SEASON ON HEAD-ON AND SINGLE-VEHICLE COLLISIONS ON RURAL TWO LANE ROADS IN HOKKAIDO, JAPAN

- Terrance Mohanaraj RENGARAS*, Toru HAGIWARA, Masayuki HIRASAWA
- 100477 (Academic): TRAFFIC ACCIDENT COSTING FOR THAILAND
- Pipat THONGCHIM*, Pichai TANEERANANON, Paramet LUATHEP, Phayada PRAPONGSENA
- 100583 (Practical): BLACK SPOT ANALYSIS - A COMPARISON BETWEEN TWO EUROPEAN COUNTRIES AND THAILAND
- Andreas VESPER*, Ulrich BRANNOLTE, Pichai TANEERANANON, Csaba KOREN
- 100616 (Practical): IMPROVING THE INVESTMENT EFFICIENCY BASED ON OBJECTIVE DATA
- Tadashi HAMADA*, Takayuki KAWAJI, Tomoyuki KOSAWA
-

Meeting Room 3: D (September 25th: 8:30-10:00)

[3D]Accident Analysis (3)

Chairperson: Tri TIAHJONO

- 100278 (Academic): MOTORCYCLE ACCIDENTS, ALCOHOL INTOXICATION AND FUTILE HELMET LEGISLATION IN THAILAND: HOW LONG MUST WE TOLERATE?
- Pawinee IAMTRAKUL*, Moinul HOSSAIN
- 100281 (Academic): APPLICATION OF IN-DEPTH CRASH ANALYSIS TO IMPROVE SAFETY CONDITION AROUND A COMMUNITY: A CASE STUDY IN HAT YAI, THAILAND
- Paramet LUATHEP*, Pichai TANEERANANON, Pipat THONGCHIM
- 100308 (Academic): A STUDY OF CONSTRUCTION OF THE TRAFFIC ACCIDENT AUTHENTICATION MODELS FOR TWO-VEHICLE COLLISION
- Ming Shan YEH*, Hsin Hsien LIU
- 100323 (Academic): INJURY SEVERITY SUSTAINED IN ROAD CRASH: HON KAEN, THAILAND CASE STUDY
- Wichuda KOWTANAPANICH*, Yordphol TANABORIBOON, Thaned SATIENNAM
- 100355 (Academic): MEDICAL INVESTIGATION OF MOTORCYCLE ACCIDENTS IN THAILAND
- Moinul HOSSAIN*, Pawinee IAMTRAKUL
-

Meeting Room 3: E (September 25th: 10:20-11:50)

[3E]Accident Analysis (4)

Chairperson: Lee Chi-Kang

- 100021 (Academic): DATA FUSION AND FEATURE COMPOSITION APPROACH TO SEQUENTIAL ACCIDENT DURATION FORECASTING
- Ying LEE*, Chien-Hung WEI
- 100083 (Academic): MODELING TRAFFIC ACCIDENT OCCURRENCE ON INDONESIAN TOLL ROADS
- Tri TIAHJONO*
- 100140 (Academic): PEDESTRIANS ACCIDENT RATES: ALARMING ON MIRPUR ARTERIAL IN DHAKA CITY, BANGLADESH
- Md. Mizanur RAHMAN*, Sabreena ANOWAR
- 100373 (Academic): ACCIDENT ANALYSIS AND PREVENTION FROM THE CHAIN PERSPECTIVE

Jinn-Tsai WONG, Yi-Shih CHUNG*

100414 (Academic): A BASIC STUDY ON TRAFFIC ACCIDENT DATA ANALYSIS USING SUPPORT VECTOR MACHINE

Hironobu HASEGAWA*, Masaru FUJII, Mikiharu ARIMURA, Tohru TAMURA

Meeting Room 3: F (September 25th: 13:00-14:30)

[3F]Accident Analysis (5)

Chairperson: Toru HAGIWARA

100144 (Academic): RESEARCH ON MODEL AND ALGORITHM ON DECISION TREE OF COMPLICATED RAILWAY SIGNALS MALFUNCTIONS DIAGNOSIS

Xi ZHANG*, Yu CHEN, Yaping YIN

100322 (Academic): RESEARCH ON THE DEVELOPMENT OF MALAYSIAN ROAD TRAFFIC INJURY SURVEILLANCE SYSTEM

Choy PengNG*, Dadang MOHA MADMASOEM, Hejar ABDULRAHMAN, Radin Umar RADIN SOHADI

100326 (Academic): A PROTOTYPE OF GIS-BASED TRAFFIC ACCIDENT DATABASE SYSTEM: THAILAND CASE STUDY

Wichuda KOWTAN APANICH*, Yordphol TANABORIBOON, Thai CHARNKOL

100377 (Academic): DEVELOPMENT OF EMERGENCY RESPONSE PROCEDURES BASED ON SCENARIOS OF URBAN RAILROAD INCIDENTS-FOCUSED ON FIRE ACCIDENTS

Sigon KIM*, Hwangbae KIM, Jonghae KIM, Seongeun KIM

100462 (Academic): A TIRE MARK LOCALIZATION METHOD FOR FORENSIC IMAGE ANALYSIS

Ying-Wei WANG*

Meeting Room 3: G (September 25th: 14:50-16:20)

[3G]Project Evaluation and Cost Analysis

Chairperson: Sengsavang PHANDANOUVONG

100174 (Academic): MULTI-CRITERIA DECISION MAKING FOR PUBLIC TRANSPORTATION DEVELOPMENT PROJECTS USING ANALYTIC NETWORK PROCESS (ANP)

Mintesnot GEBEYEHU*, Takano SHIN-EI

100262 (Academic): MEASURING THE PRODUCTION AND COST EFFICIENCY INTELECOMMUNICATIONS INDUSTRY: THE TAIWAN CASE

Chao-ChungKANG*

100538 (Academic): LOCATION EXTERNALITY AND ITS IMPACT ON TRANSPORTATION COST.

Ravinder KAYITHA*, Kono TATSUHIITO

100588 (Academic): DEVELOPMENT OF METHODOLOGY FOR CALCULATING ECONOMIC BENEFITS OF HIGHWAY PROJECT IN CHINA

Jiaxin LI*, Linggang CHENG

100630 (Academic): THE ECONOMIC FEASIBILITY STUDY FOR INTRODUCTION OF URBAN TRANSIT MAGLEV TRAIN

Meeting Room 3: H (September 25th: 16:40-18:10)

[3H]Efficiency and Productivity

Chairperson: Sutanto SOEHODHO

100555 (Practical):ANALYSIS ON THE CHARACTERISTICS OF TRANSPORTATION SYSTEM BETWEEN CHINA AND AMERICA BASED ON THE INPUT-OUTPUT THEORY

Xu ZHAO*, Ye-Er XU, Jing WANG, Zan YANG

100067 (Academic):PRODUCTIVITY IMPROVEMENT OF AIR TRANSPORT AND ECONOMIC EFFECT BY CAPACITY EXPANSION OF HANEDA AIRPORT

Tomoki ISHIKURA*, Kazuyuki TSUCHIYA

100287 (Academic): VERTICAL RELATIONSHIP, EFFICIENCY AND PRODUCTIVITY IN THE KOREAN AND JAPANESE RAILWAY INDUSTRIES: A STOCHASTIC FRONTIER APPROACH

Jinkyung PARK*, Sungsoo KIM

100446 (Academic):INTEGRATED DATA ENVELOPMENT ANALYSIS MODELS FOR MEASURING TRANSPORT EFFICIENCY AND EFFECTIVENESS

Yu-Chiun CHIOU*, Lawrence W.LAN, Barbara Tzu-Hui YEN

Meeting Room 3: I (September 26th: 8:30-10:00)

[3I]Travel Survey

Chairperson: Takamasa IRYO

100429 (Academic): COST-EFFECTIVENESS IN PROBE VEHICLE SYSTEMS

Kai LIU*, Toshiyuki YAMAMOTO, Qiang LI, Taka MORIKAWA

100578 (Practical): A STUDY ON THE EFFECTIVENESS AND CHARACTERISTICS OF THE INTERNET-BASED RESPONSE METHOD EMPLOYED FOR A PERSON TRIP

Hiroshi TATSUMI*, Toshihiro ENDO, Hironori TABATA, Riki KITAZONO, Yoshitaka KAJITA

100648 (Practical): WHAT DID WE HAVE EXPERIENCED AND LEARNED FROM THE HOUSEHOLD TRAVEL DAIRY SURVEY IN SEOUL, KOREA?

Ju-Yeon LEE*, Jin-Hyuk CHUNG, Hyung-Jin KIM, Il-Sub PARK

100235 (Academic): EFFICIENT ESTIMATION OF SIGNALIZED LINK TRAVEL TIME USING SMALL SIZE PROBE REPORTS

Qiang LI*, Tomio MIWA, Toshiyuki YAMAMOTO, Taka MORIKAWA

Meeting Room 3: J (September 26th: 10:20-11:50)

[3J]Travel Time Estimation

Chairperson: Agachai SUMALEE

100495 (Academic): A STUDY ON THE CONSTRUCTION OF HISTORICAL PROFILE FOR FREEWAY TRAVEL TIME FORECASTING

Dongho KIM, Dongjoo PARK*, Jeonghyeon RHO, Seungkirl BAEK, Seong NAMKOONG

100091 (Academic): USING AUTOMATIC VEHICLE IDENTIFICATION AND GLOBAL POSITIONING SYSTEM DATA FOR TRAVEL TIME ESTIMATION IN HONGKONG

Mei Lam TAM*, William H.K.LAM

100267 (Academic): OD PAIR SAMPLING METHODOLOGY FOR PROBE VEHICLE SYSTEM AND EFFECT OF PROBE INFORMATION

Tetsuhiro ISHIZAKA*, Atsushi FUKUDA

100085 (Academic): SHORT - TERM TRAVEL TIME PREDICTION USING LINEAR MODEL

Chong WEI*, Takamasa IRYO, Yasuo ASAKURA

100201 (Academic): ARTERIAL ROAD TRAVEL TIME PREDICTION

Hong-En LIN, Rocco ZITO Michael A PTAYLOR*

Meeting Room 3: K (September 26th: 13:00-14:30)

[3K]Value Analysis

Chairperson: Sun Peiting

100259 (Academic): VALUING PASSENGER VAN SERVICE IN BANGKOK BASED ON STATED PREFERENCE SURVEYING TECHNIQUES

Prapatpong UPALA*, Sorawit NARUPITI, Richard BATLEY

100361 (Academic): TASK COMPLEXITY IN MULTI-ATTRIBUTE STATED CHOICE ENVIRONMENTAL VALUATION

Michelle Gan PARUMOG*, Shoshi MIZOKAMI, Ryuji KAKIMOTO

100033 (Academic): HOW DOES THE VALUE OF TRAVEL TIME SAVING VARY OVER THE INDIVIDUAL'S INCOME?

Hironori KATO*, Makoto FUJII

100478 (Academic): A STUDY OF THE VALUE OF TIME USING STATED PREFERENCE DATA

Rahayu*, SULISTYORINI

100443 (Academic): THE VALUE OF RAIL FREIGHT TIME OF KOREA

Kyungwoo KANG*, Wookag KOOK, Jongheun KIM, Kyounghun HAN

Meeting Room 3: L (September 26th: 14:50-16:20)

[3L]Activity Analysis

Chairperson: Junyi Zhang

100053 (Academic): INCORPORATING DIFFERENCES IN MARGINAL UTILITIES OF TIME ACROSS ACTIVITIES IN A TIME ALLOCATION MODEL

Kali Prasad NEPAL*, Daisuke FUKUDA, Testuo YAI

100316 (Academic): COMPUTATION OF ADDITIONAL ACTIVITY AREA WITH REVEALED PATH CONSTRAINTS

Takahiko KUSAKABE*, Takamasa IRYO, Kayo TAKAKURA, Yasuo ASAKURA

100595 (Practical): DEVELOPMENT OF THE ACTIVITY BASED TRAVEL DEMAND MODEL IN BANGKOK: A REVIEW OF AVAILABLE DATA AND PROPOSED MODELING FRAMEWORK

Natachai WONGCHAV ALIDKUL, Mongkut PIANTANAKUL CHAI*

100214(Academic): A STUDY ON JOURNEY-TIME RELIABILITY CONTRIBUTING TO THE SUSTAINABLE
DEVELOPMENT OF RURAL AREAS

Masaru FUJII*, Hironobu HASEGAWA, Mikiharu ARIMURA, Tohru TAMURA

Meeting Room 4

Meeting Room 4: A (September 24th: 13:00-14:30)

[4A]Highway Planning & Design

Chairperson: Young-in KWON

100620 (Practical): HOW DO STREET TREES DEEPLY AFFECT ON-STREET ACTIVITIES OF PEOPLE? AN EVIDENCE FROM HANOI

Phyo ThetT het HTUN*, Hitoshi IEDA

100247 (Academic): DEVELOPMENT OF PREDICTING MODELS OF THE OPERATING SPEED CONSIDERING ON TRAFFIC FLOW

Soobeam LEE, Nobuhiro UNO, Dahee HONG*, Jangwook KIM, Doyoung JUNG, Daelyoung EOM

100390 (Academic): FORMULATION OF THE ROAD SUPPLY INDEX BASED ON THE LAND USE PATTERNS AND STREET FUNCTIONS FOR MAJOR RESIDENTIAL AREAS

Jaisung CHOI, Sangyoun KIM*, YoungsooJANG, KyungsungHWANG

100421 (Academic): DEVELOPMENT OF HIGHWAY VERTICAL ALIGNMENT ANALYSIS ALGORITHM USING THE ROAD SAFETY SURVEY AND ANALYSIS VEHICLE

Dukgeun YUN*, Junggon SUNG

100444 (Academic): DEVELOPMENT OF MECHANISTIC DESIGN PROCEDURE OF FLEXIBLE PAVEMENT FOR TROPICAL CONDITION

Bambang Sugeng SUBAGIO*, Bambang Ismanto SISWOSOEBRO, Aris WIBOWO

Meeting Room 4: B (September 24th: 14:50-16:20)

[4B]Transport Demand Analysis (1) Vehicle Ownership

Chairperson: Alexis Morales FILLONE

100073 (Academic): A STUDY ON THE MOTORCYCLE OWNERSHIP: A CASE STUDY IN PENANG STATE, MALAYSIA

Lee Vien LEONG*, Ahmad Farhan MOHD SADULLAH

100078 (Academic): CHARACTERISTICS OF PRIVATE CAR AND MOTORCYCLE OWNERSHIP ININDONESIA

Leksmono Suryo PUTRANTO*, Susan GRANT-MULLER, Frank MONTGOME RY

100273 (Academic): MOTORCYCLE OWNERSHIP MODELLING: GENERAL APPROACH AND APPLICATION TO THAILAND

Pattarathep SILLAPARCHARN*

100234 (Academic): MODELING GROUP DECISION-MAKING MECHANISMS IN HOUSEHOLD TRAVEL BEHAVIOR: THEORIES AND AN APPLICATION

Junyi ZHANG*, Akimasa FUJIWARA, Masashi KUWANO

100401(Academic): REPRESENTING HOUSEHOLD VEHICLE HOLDING DURATION WITH HETEROGENEOUS DISTRIBUTIONS BASED ON LATENT CLASS APPROACH

Masashi KUWANO*, Junyi ZHANG, Akimasa FUJIWARA

Meeting Room 4: C (September 24th: 16:40-18:10)

[4C]Transport Demand Analysis (2) Car Use & Drivers' Behavior

Chairperson: Jaehak OH

100025 (Academic): MODELING DRIVER PREFERENCE FOR IN-VEHICLE TRANSPONDER FEATURES:A CASE STUDY OF TAIWAN

Chien-Hung WEI, Kitty WU*, Ying LEE

100075 (Academic): MODELING DRIVERS' STATED ENROUTE SWITCHING BEHAVIOR UNDER VARIOUS INFORMATION SCENARIOS

Cheng-Min FENG, Yi-Wen KUO*

100167 (Academic): PSYCHOLOGICAL FACTORS INFLUENCING BEHAVIORAL INTENTION OFPRIVATE CAR USE IN FUTURE WORK TRIPS

Kasem CHOOCHAR UKUL*, Satoshi FUJII

100301(Academic): CHARACTERISTICS OF TRANSPORT BY HOUSEHOLD AND INDIVIDUAL ATTRIBUTES IN JAPANESE CITIES

Atsushi NAKANO*, Yuichi MOHRI, Mamoru TANIGUCHI

100422 (Academic): MODELING REPEATED CHOICE BEHAVIORS OF PHYSICAL DAMAGE COVERAGE FOR NEW CAR OWNERS

Chieh-Hua WEN, Ming-Jyh WANG*, Lawrence, W.LAN

Meeting Room 4: D (September 25th: 8:30-10:00)

[4D]Transport Demand Analysis (3) Policy & Modeling

Chairperson: Qiang MENG

100336 (Academic): EVALUATING ENVIRONMENTALLY SUSTAINABLE URBAN AND TRANSPORT POLICIES FOR A DEVELOPING CITY BASED ON A TRAVEL DEMAND MODEL WITH FEEDBACK MECHANISMS

Xuesong FENG*, Junyi ZHANG, Akimasa FUJIWARA, Metin SENBIL

100442 (Academic): FORECASTING TRANSPORTATION DEMAND BY BINARY LOGIT MODEL, LIGHTRAIL SYSTEM

Jaisung CHOI, Yongeun SHIN, Cheolgyu EUN*, Jaehoon OH

100498 (Academic):LONG-TERM AGGREGATE TRAVEL DEMAND ANALYSIS: A COMPARISON BETWEEN JAPAN AND TAIWAN

Ming-Hsiung HSIAO*

100594 (Practical): TRANSPORT MODELLING - THE NEW ZEALAND EXPERIENCE

Michael Grant SMITH*

Meeting Room 4: E(September 25th: 10:20-11:50)

[4E]Transport Demand Analysis (4) Integrated Modeling

Chairperson: Ofyar Z TAMIN

100104 (Academic): MAXIMAL RESERVE TRIP GENERATION FOR TRANSIT NETWORKS

Qiang MENG*, Der-Horng LEE, Lan WU

100449 (Academic): THE ESTIMATION OF COMBINED TRIP DISTRIBUTION-MODE CHOICE MODEL ESTIMATED FROM TRAFFIC COUNT UNDER EQUILIBRIUM CONDITION

Rahayu SULISTYORINI*, Ofyar TAMIN

100628 (Practical):DEVELOPMENT OF COMBINED TRIP GENERATION, TRIP DISTRIBUTION,MODE CHOICE AND ROUTE CHOICE AS SIMULTANEOUS MODEL RESEARCH REVIEW

Rahayu SULISTYORINI*, Ofyar Zainudin TAMIN

Meeting Room 4: F (September 25th: 13:00-14:30)

[4F] Transport Demand Analysis (5) Trip Generation & Distribution

Chairperson: Ofyar Z TAMIN

100228 (Academic): DEVELOPMENT OF PHILIPPINE TRIP GENERATION RATES

Jose Regin Fajardo REGIDOR*

100100 (Academic): STUDY OF TRAVEL FACTORS THROUGH STRUCTURAL EQUATION MODELING APPROACH IN BANGKOK

Pradeep Kumar SHRESTHA*, Yordphol TANABORIBOON, Shinya HANAOKA

100225 (Academic): METHODOLOGY FOR ESTIMATING TRIP PRODUCTION OF SUBDIVIDED ZONES USING SOCIO-ECONOMIC INDEXES: A CASE OF KOREA

Ho Chan KWAK*, Ki Han SONG, Sung Mo RHEE, Sung Bong CHUNG

100445 (Academic): A STUDY ON THE TRIP GENERATION CHARACTERISTICS OF BUSINESS PROCESS OUTSOURCING (BPO) COMPANIES IN THE PHILIPPINES

Jose Regin Fajardo REGIDOR*

100612 (Practical): DETERMINE A NEW OD MATRIX AS AN IMPACT OF ADDITIONAL ZONES

Muhammad ISYA*, Rizal Z. TAMIN, Ofyar Z.TAMIN, Heru PURBOYO HP

Meeting Room 4: G (September 25th: 14:50-16:20)

[4G]Transport Demand Analysis (6) Mode Choice 1

Chairperson: Chieh-Hua WEN

100035 (Academic): TRANSPORT MODE CHOICE MODELS FOR METRO MANILA AND URBAN TRANSPORT POLICY APPLICATIONS

Alexis Morales FILLONE*, Cresencio M. Jr MONTALBO, Noriel Christopher TIGLAO

100230 (Academic): PSYCHOLOGICAL DETERMINANTS OF BEHAVIORAL INTENTION TO USE TRAVEL MODES IN HO CHI MINH CITY

Hong Tan VAN*, Satoshi FUJII

100524 (Academic): STUDY ON TRAVEL MODE CHOICE OF CITIZENS BASED ON MULTI-OBJECTIVE DECISION MAKING

Shu-Guang CUI*, Sheng-RuiZ HANG, Lei MEI

100597 (Practical): FUZZY EXTENSION OF THE ANALYTIC NETWORK PROCESS FOR TRAVEL MODE-CHOICE MODELING

Niranga AMARASIN GHA, Mongkut PIANTANAKULCHAI*

100190 (Academic): A STUDY ON TRAFFIC BEHAVIOR OF HIGH INCOME PEOPLE IN ASIAN DEVELOPING COUNTRIES

Xiao LUO*, Hajime DAIMON, Akinori MORIMOTO, Hirotaka KOIKE

Meeting Room 4: H (September 25th: 16:40-18:10)

[4H]Transport Demand Analysis (7) Mode Choice 2

Chairperson: Dilum DISSANAYAKE

100039 (Academic): INVESTIGATING THE TEMPORAL TRANSFERABILITY OF TRANSPORT MODAL CHOICE MODELS: AN APPROACH BASED ON GIS DATA BASE

Katia ANDRADE*, Seiichi KAGAYA, Kenetsu UCHIDA, Andre DANTAS, Alan NICHOLSON

100288 (Academic): ANALYZING INTER-REGIONAL TRAVEL MODE CHOICE BEHAVIOR WITH MULTINESTED GENERALIZED EXTREME VALUE MODEL

Xiaoyun ZHUANG*, Daisuke FUKUDA, Tetsuo YAI

100389 (Academic): COMPETITIVE MARKETS BASED ON DYNAMIC INDIVIDUAL CHOICES AMONG HIGH-SPEED RAIL, AIR TRANSPORT, AND AUTOMOBILE ALONG A TRANSPORTATION CORRIDOR

Chaug-Ing HSU*, Yu-Chiang CHEN, Yu-Hua CHEN

100540 (Academic): TRANSPORTATION MODE CHOICE: ARE LATENT FACTORS IMPORTANT?

Md Nor NORGHANI*, Mohd Zin AHMAD, Seng-Huat TAN

100099 (Academic): MODELING MODE CHOICES DURING RAIL INCIDENT DETECTION

Syahriah BACHOK*, Wen Long YUE

Meeting Room 4: I (September 26th: 8:30-10:00)

[4I]Transport Demand Analysis (8) Traffic Dynamics

Chairperson: Qunren LI

100138 (Academic): CALIBRATION AND ESTIMATION OF DYNAMIC TRAFFIC ASSIGNMENT PROCEDURES

Ta-Yin HU*, Da-Tung LI

100183 (Academic): APPLICATION OF TIME-DEPENDENT STOCHASTIC EQUILIBRIUM ASSIGNMENT MODEL CONSIDERING ACTIVITY CHOICES TO THE NAGOYA METROPOLITAN AREA

Ryo KANAMORI*, Tomio MIWA, Takayuki MORIKAWA

100193 (Academic): TRAFFIC DYNAMICS IN PURSUIT OF EQUILIBRIUM

Jing BIE, Hong K. LO*

100399 (Academic): ANALYSES OF DAY-TO-DAY ROUTE CHOICE BEHAVIOUR USING AUTOMATIC VEHICLE IDENTIFICATION DATA

Nan LIU, William H.K.LAM, Mei Lam TAM*

100325 (Academic): IMPACT OF REAL-TIME INFORMATION ON DYNAMIC VEHICULAR FLOWS UNDER MIXED TRAFFIC CONDITIONS

Ta-Yin HU*, Li-Wen CHEN

Meeting Room 4: J (September 26th: 10:20-11:50)

[4J]Transport Demand Analysis (9) Traffic Simulation & Analysis

Chairperson: Dongjoo PARK

100251 (Academic):THE IMPACT OF PUBLIC TRANSPORT ARRIVAL RATE AND STOP TIME INMODELLING AND ANALYZING A SIGNALIZED INTERSECTION BY USING MICRO SIMULATION AND ANALYTICAL SOFTWARE

Gusri YALDI, Wen Long YUE*, Elvi Roza SYOFYAN

100254 (Academic): INVESTIGATING THE IMPACT OF LOCAL CONDITIONS IN MODELLING AND ANALYZING A SIGNALIZED INTERSECTION BY USING CUBE DYNASIM AND AASIDRA

Gusri YALDI, Wen Long YU*, Elvi Roza SYOFYAN

100362 (Academic):IDENTIFICATION OF A SUITABLE CELLULAR AUTOMATA MODEL FOR MIXED TRAFFIC

Mallikarjuna CHUNCHU, Ramachandra Rao KALAGA*

100470 (Academic):ROLLING GREY FORECASTING MODELS FOR SHORT-TERM TRAFFICS

Yu-Chiun CHIOU*, Yen-Ching CHIOU, Chia-Ming AI

100472 (Academic):EXPLORING TRAFFIC FEATURES WITH STATIONARY AND MOVING BOTTLENECKS USING REFINED CELLULAR AUTOMATA

Chih-Cheng HSU*, Zih-Shin LIN, Yu-Chiun CHIOU, Lawrence W.LAN

Meeting Room 4: K (September 26th: 13:00-14:30)

[4K]Transport Demand Analysis (10) Traffic Assignment

Chairperson: Huapu LU

100097 (Academic): STOCHASTIC MODEL FOR MULTY-PATH TRIP ASSIGNMENT WITH CONSIDERING DIVERGE PERCEIVED TRAVEL COST

R Didin KUSDIAN, Ofyar Z TAMIN*, Agus Salim RIDWAN, Ade SJAFRUDDI

100147 (Academic): AN OPTIMAL CONTRAFLOW LANE CONFIGURATION SCHEME WITH STOCHASTIC USER EQUILIBRIUM CONSTRAINTS

Hooi Ling KHOO, Qiang MENG*

100252 (Academic): MODELING TRANSIT PASSENGER TRAVEL BEHAVIORS IN CONGESTED NETWORK WITH EN-ROUTE TRANSIT INFORMATION SYSTEMS

Hualing REN, William H.K.LAM*

100318 (Academic): A PARAMETER CALIBRATION TECHNIQUE FOR TRAVEL COST FUNCTION IN TRAFFIC ASSIGNMENT

Yongtaek LIM*, Mingu KANG, Doohee NAM, ChanghoCHOI

100448 (Academic): DEVELOPMENT OF TRANSPORT PLANNING MODEL USING GEOGRAPHIC INFORMATION SYSTEM

Nindyo Cahyo KRESNANT*, Ofyar ZainudinTAMIN

Meeting Room 5

Meeting Room 5: A (September 24th: 13:00-14:30)

[5A]Land Use & Transport

Chairperson: Noriel Christopher C. TIGLAO

100459 (Academic): SOCIAL AND PUBLIC COSTS OF RESIDENTIAL URBAN SPRAWL

Stefan KLUG*, Yoshitsugu HAYASHI

100041 (Academic): DISTRIBUTING SHOPPING CENTERS TO MANAGE THE SHOPPING TRIPS IN A CHINA'S CITY

Qin FANG*, Zhongzhen YANG

100244 (Academic): AN EMPIRICAL STUDY OF LAND USE/TRANSPORT INTERACTION IN BANGKOK WITH OPERATIONAL MODEL APPLICATION

Varameth VICHENSAN*, Kazuaki MIYAMOTO, Wiroj RUJOPAKARN

100292 (Academic): PARKING DURATION OF FRINGE PARK-AND-RIDE USERS AND DELINEATION OF STATIONS CATCHMENT AREA: CASE OF THE KUALA LUMPUR CONURBATION

Norlida ABDULHAMID*, Jamilah MOHAMAD, Mohamed Rehan KARIM

100383 (Academic): POPULATION DENSITY - AUTOMOBILE USE RELATIONSHIP: RE-EXAMINATION IN ASIAN AND AMERICAN MEGA-CITIES

Takamasa SUZUKI*, Yasunori MUROMACHI

Meeting Room 5: B (September 24th: 14:50-16:20)

[5B]Regional & Urban Planning (1)

Chairperson: Crispin Emmanuel D. DIAZ

100374 (Academic): MULTI-DIMENSIONAL INTEGRATED TRANSPORT POLICIES OPTIMIZATION BASED ON GENETIC ALGORITHM

Ya-Wen CHEN*, Jin-Fa CHEN, Yu-Sheng JIANG, Chien-Hung WEI

100435 (Academic): TRANSFERABILITY OF THE EUROPEAN SUSTAINABLE TRANSPORT PLANNING PROCESS TO TRANSPORT MASTER PLAN IN THAILAND

Sittha JAENSIRISA*, Pongrid KLUNGBONKONG, Sutthipong MEEYAI

100436 (Academic): A COMPUTABLE MODEL FOR OPTIMIZING RESIDENTIAL RELOCATION BASED ON QUALITY OF LIFE AND SOCIAL COST IN BUILT-UP AREAS

Noriyasu KACHI*, Hirokazu KATO, Yoshitsugu HAYASHI

100633 (Practical): VISUALIZATION OF HIERARCHICAL SYSTEM OF CITIES IN EAST JAPAN CONSIDERING SUPPLY AND CONSUMPTION BEHAVIOR

Md. Kamrul ISLAM*, Hitoshi IED, Kerati KIJMANAWAT, Liqiang MA

Meeting Room 5: C (September 24th: 16:40-18:10)

[5C]Regional & Urban Planning (2)

Chairperson: Keiichi KITAZUME

100271 (Academic): RESIDENTIAL LOCATION CHOICE BEHAVIOR FOR DIFFERENT HOUSEHOLDS:
METHODOLOGY AND CASE STUDY

Pengpeng JIAO*, Noboru HARATA

100274 (Academic): ANALYSIS OF THE CORRELATION BETWEEN WATERFRONT DEVELOPMENT MODEL AND
URBAN DEVELOPMENT STRATEGY-A CASE

Wen-Chih HUANG, Chien-Hua CHEN*, Sung-Ken KAO, Kuang-Yu CHEN

100456 (Academic): REDEVELOPING PORT CITY WATERFRONT: AN ANALYTICAL FRAMEWORK

Wen-Chih HUANG*, Kuang Yu CHEN, Song-Ken KAO, Takeshi CHISHAKI

100457 (Academic): DISTRIBUTIVE CONTINUOUS FRACTAL ANALYSIS FOR URBAN TRANSPORTATION
NETWORK

Zhuo SUN*, Peng JIA, Hirokazu KATO, Yoshitsugu HAYASHI

100613 (Practical): REVIEW OF THE 6TH TERM HOKKAIDO DEVELOPMENT PLAN AND PRINCIPLES OF A NEW
PLAN

Yasushi TAKAMATSU, Kiyoshi TAKAHASHI*

Meeting Room 5: D (September 25th: 8:30-10:00)

[5D]Air Transport (1)

Chairperson: Kazuyuki TAKADA

100087 (Academic): THE GRAY-MARKOV MODEL FOR FORECASTING AIR TRAFFIC FLOW BASED ON RESIDUAL
CORRECTION

Shuang GUO*, Zhaoning ZHANG, Lili WANG, Yan GUO

100575 (Practical): FORECASTING THE EFFECT OF A MARKET "SHOCK" ON TRANSPORT DEMAND: CASE STUDY
OF THE TONGA AIR TRAVEL MARKET

Glen M D'ESTE*

100168 (Academic): ROUTE PERFORMANCE EVALUATION OF TAIWANESE DOMESTIC AIRLINES

Shy-Chang TSAI, Yen-Heng CHEN*

100517 (Academic): IMPROVING QUALITY OF PASSENGER SERVICE IN VIETNAM AIRLINES

Tu Anh TRINH*, Thuy Anh TRINH, Quang Hung BUI

100520 (Academic): A BI-LEVEL PROGRAMMING MODEL FOR PLANNING SCHEDULE FLIGHTS ON EXISTING OR
NEW ROUTES

Sui-Ling LI*

Meeting Room 5: E (September 25th: 10:20-11:50)

[5E]Air Transport (2)

Chairperson: Shinya HANAOKA

100548 (Practical): ALLIANCE'S INFLUENCE ON THE FOUNDATION OF INTERNATIONAL HUB AIRPORTS IN CHINA

Guihong ZHAO*, Yongliang WANG, Bo WEI

100537(Academic): APPLYING FUZZY REGRESSION FORECASTING MODEL TO PREDICT TAIWAN

INTERNATIONAL AIR CARGO VOLUME

Tsung-Yu CHOU, Tzeu-Chen HAN*, Gin-Shuh LIANG, Chia-Lun HSU

100114 (Academic): MEASURING THE SERVICE QUALITY OF AIR CARGO SECTOR: CASE OF CHINA AIRLINE

Rong-Tsu WANG*, Ta-Hui YANG

100111 (Academic): COMPETITION IN AIR TRANSPORT MARKET AND AIRFARE STRUCTURE: CASE OF US DOMESTIC MARKET

Mikio TAKEBAYASHI*, Katsuhiko KURODA, Makoto EKAWA

100547 (Practical): THE EFFECTS OF CHINESE AIRLINES'S JOINING THE GLOBAL STRATEGIC ALLIANCE ON ASIAN AIR MARKETS

Guihong ZHAO*, Yongliang WANG, Bo WEI

Meeting Room 5: F (September 25th: 13:00-14:30)

[5F]Air Transport (3)

Chairperson: Terumitsu HIRATA

100304 (Academic): SHARPENING PASSENGER SERVICE STRATEGY PLANNING BY APPLYING KANO'S QUALITY ELEMENT CLASSIFICATION: A CASE STUDY IN THE AIRLINE INDUSTRY

Yueh-Ling HSU*, Chao-Che HSU, Pei-Chi BING

100317(Academic):ASSESSMENT OF AIRCRAFT NOISE IN THE VICINITY OF THE NINOY AQUINO INTERNATIONAL AIRPORT

Ernesto ABAYA*, Ricardo SIGUA, Karl VERGEL

100464 (Academic): MODELING AIRCRAFT NOISE IN THE VICINITY OF AIRPORTS

Ricardo De Guzman SIGUA*

100564 (Practical): AN APPROACH BASED ON FUZZY OPTIMIZATION TO EVALUATE CREW HARMONY IN AIRCREW ROSTERING PROBLEM

Yannan QI*, Hong WANG, Xinglong WANG

100581(Practical): DECISION SUPPORT SYSTEM OF AIR TRAFFIC FLOW MANAGEMENT BASED ON COORDINATION THEORY

Zhaoning ZHANG, Xinhua LI*, Jiansheng HE

Meeting Room 5: G (September 25th: 14:50-16:20)

[5G]Airport Planning (1)

Chairperson: Hideyuki KITA

100032 (Academic): RESEARCH ON THE COORDINATION BETWEEN THE AIRPORT LAYOUT AND REGIONAL ECONOMY OF CHINA

Xiuyuan ZHANG, Zhijian CHEN*

100112 (Academic): COMBINING THE GRA AND TWO-STAGE DEA METHODS FOR ASSESSING THE PERFORMANCE OF AIR CARGO TERMINAL

Jui-Chang CHENG, Rong-Tsu WANG*, Meng-Fen HSIEH

- 100141 (Academic): ASSESSMENT OF RUNWAY CAPACITY FOR SHANGHAI PUDONG INTERNATIONAL AIRPORT
Pinghui GU, Zhaoning ZHANG*, Fei HONG
- 100216 (Academic): PRIVATIZATION VS. EFFICIENCY EVALUATION AND PRODUCTIVITY CHANGE: A STUDY ON
C.K.S AIR CARGO TERMINAL
Yung-Hsiang CHENG*, Huei-Wen CHEN
- 100265 (Academic): STATED PREFERENCE ANALYSIS OF AIR TRAVELERS' MULTIPLE-AIRPORT CHOICE
BEHAVIOR IN TOKYO METROPOLITAN AREA
Pradtha UDAYASEN*, Daisuke FUKUDA, Tetsuo YAI
-

Meeting Room 5: H (September 25th: 16:40-18:10)

[5H]Airport Planning (2)

Chairperson: Seock-Jin HONG

- 100011(Academic): CAPACITY EFFICIENCY OF DOMESTIC AIRPORTS IN TAIWAN USING THREE-STAGE DEA
APPROACH
Ming-Miin YU*
- 100024 (Academic): OPTIMIZATION OF NEW AIRPORT LOCATION AND AIRLINE RATE IN TERMS OF BENEFITS
FOR SUPPLY AND DEMAND SIDES
Lu WANG, Zhongzhen YANG*
- 100092 (Academic): TERMINAL AREA TRAFFIC MANAGEMENT SYSTEM BASED ON FOLLOWING THEORY
Xinhua LI*, Zhaoning ZHANG
- 100397 (Academic): THE OPTIMAL SIZES AND LOCATIONS OF AIRPORT PARKING FACILITIES CONSIDERING
DEMAND-SUPPLY INTERACTION
Chaug-Ing HSU, Fu-Shan LIN, Hui-Chieh LI*
- 100453 (Academic): THE FARE COMPETITIVENESS ANALYSIS OF MAJOR HUB AIRPORTS IN ASIA
Hyoungku YEO, Kyungwoo KANG*, Hyejin JANG
-

Meeting Room 5: I (September 26th: 8:30-10:00)

[5I]Water Transport

Chairperson: Toshikazu SHIMAZAKI

- 100155 (Academic): IMPROVING DOMESTIC SHIPPING IN THE PHILIPPINES
Ricardo DeGuzman SIGUA*
- 100211 (Academic): THE INFLUENCE OF SAFETY CLIMATE ON VESSEL ACCIDENTS IN CONTAINER SHIPPING
Chin-Shan LU*, Chaur-Luh TSAI
- 100330 (Academic): PERFORMANCE EVALUATION OF SHIPPING COMPANIES WITH FINANCIAL RATIO AND
INTELLECTUAL CAPITAL
Chao-Hung CHIANG*, Cherng-Chwan HWANG
- 100405(Academic): AN EMPIRICAL STUDY ON THE JOB SATISFACTION OF CHINESE FISHERY SEAFARERS IN THE
PENGHU ISLANDS

Taih-Cherng LIRN*

100625 (Practical): COMBINED OPTIMIZATION OF SHIP ROUTING AND ASSIGNMENT PROBLEMS IN CONTAINER FEEDERLINER

Na LI*, Xiaona SUN, Zhihong JIN

Meeting Room 5: J(September 26th: 10:20-11:50)

[5J]Port Planning & Operation (1)

Chairperson: Yang Hualong

100055 (Academic): A HYBRID FLOW SHOP SCHEDULING MODEL FOR LOADING OUTBOUND CONTAINERS IN CONTAINER TERMINALS

Qingcheng ZENG*, Zhongzhen YANG

100154 (Academic): AN OPTIMAL SLOT ALLOCATION IN INTRA ASIA SERVICE FOR LINER SHIPPING

Cheng-Min FENG*, I-Chang CHOW, Chia-Hui CHANG

100369 (Academic): THE FUNCTION OF CONTAINER PORTS - ANALYZED FROM THE CARRIER'S

Tao CHEN*

100557 (Practical): KEELUNG PORT'S STRATEGIES IN COPING WITH TAIPEI PORT'S COMPETITION IN CONTAINER TERMINAL OPERATION

Chih-Ching CHANG*, Ding-Hsun HSIAO, Kuang LIN, Yuh-Mei HWANG

100611 (Practical): MID-TERM JAPAN PORT POLICY FOR STRENGTHENING COMPETITIVE EDGE OF INDUSTRY IN JAPAN

Norio SASAKI*, Koji TAKAHASHI

Meeting Room 5: K(September 26th: 13:00-14:30)

[5K]Port Planning & Operation (2)

Chairperson: Ryuichi SHIBASAKI

100408 (Academic): A DISCRETE CHOICE MODEL OF OCEAN CARRIER CHOICE

Chieh-Hua WEN*, Jun-Yuan HUANG

100248 (Academic): EVALUATING KEY WEB SITE SERVICES IN CONTAINER SHIPPING

Chin-Shan LU, Chun-Shan YANG*

100312(Academic): AN ANALYSIS OF KEY INFLUENCE FACTORS FOR CONTAINERSHIP REGISTRATIONS IN TAIWAN

Cheng-Chi CHUNG*, Cherng-Chwan HWANG, Yu-Lin WONG

100556(Practical): RESEARCH ON SHIPPERS' CHOICE OF CONTAINER PORT BASED ON DISAGGREGATE THEORY

Xu ZHAO*, Jin-Ping LIU, Zan YANG

Meeting Room 5: L (September 26th: 14:50-16:20)

[5L]Port Planning & Operation (3)

Chairperson: Wang Jun

100089 (Academic): PRODUCTIVITY ANALYSIS OF CONTAINER PORTS IN MALAYSIA: A DEA APPROACH

Suk Fung A da NG*, Chee Xui LEE

100178 (Academic): EVALUATING THE OPERATING EFFICIENCY OF INTERNATIONAL PORTS IN ASIA:THE DEA/TOPSIS APPROACH

Chen-Huei YEH, Kuang LIN, Kee-Kuo CHEN, Ta-Shun CHO, Hsuan-Shih LEE*, Ming-Tao CHOU

100379 (Academic): EVALUATION OF OPERATION PERFORMANCE FOR CONTAINER TERMINAL FROM MICRO POINT VIEW

Wen-Chih HUANG, Tu-Cheng KUO, Ching-Tsyr WU*, Guoquan LI

100511 (Academic): ANALYZING THE IMPACT OF IMPROVING PORT FACILITIES AT TUMINDAO PORT ON THE SEAWEED INDUSTRY AND LOCAL ECONOMIC DEVELOPMENT

Crispin Emmanuel Damaso DIAZ*

Meeting Room 6

Meeting Room 6: A (September 24th: 13:00-14:30)

[6A]Pedestrian (1)

Chairperson:

100105 (Academic): EFFECT OF BUILT ENVIRONMENT ON ACTIVE TRANSPORTATION: A TAIPEI STUDY

Jen-Jia LIN*, Tsui-Ti HSIA

100166 (Academic): THE OBSTACLES OF CYCLING TO SCHOOL ~ AN EMPIRICAL STUDY OF TAIWANESE STUDENTS

Hsin-Li CHANG*, Hsin-Wen CHANG, Mei-Chen CHIU

100238 (Academic): SIMULTANEOUS ESTIMATION OF THE PEDESTRIAN ORIGIN-DESTINATION MATRIX AND PARAMETER OF THE ACTIVITY/DESTINATION CHOICE

K.S. CHAN, W.H.K. LAM*, L.Q. OUYANG, S.C. WONG

100428 (Academic): THE INTERACTION BETWEEN PEDESTRIANS AND FACILITIES IN CENTRAL BUSINESS DISTRICTS: AN EXPLORATIVE CASE STUDY

Dick SAARLOOS, Akimasa FUJIWARA, Junyi ZHANG*

100465 (Academic): CELLULAR AUTOMATA MODEL OF PEDESTRIAN'S GROUP BEHAVIOUR

Shohei SHIMOHARA*, Tsukasa WATANABE, Toshikazu SHIMAZAKI

Meeting Room 6: B (September 24th: 14:50-16:20)

[6B]Pedestrian (2)

Chairperson: William H.K. LAM

100068 (Academic): MEASURING LEVEL-OF-SERVICE FOR CYCLING OF URBAN STREETS USING PROBE BICYCLE SYSTEM

Hideo YAMANAKA*, Susumu NAMERIKAWA

100171 (Academic): A STUDY ON THE INTEREST OF CHILDREN IN THE SIDEWALK AREA

Hidekatsu HAMAOKA*, Koshiro SHIMIZU

100197 (Academic): A FUZZY-MCDM EVALUATION FRAMEWORK BASED ON HUMANITY-ORIENTED TRANSPORT FOR TRANSFORMING SCHEME OF MAJOR ARTERIAL SPACE IN TAIPEI METROPOLITAN

Jen-Te PAI*

100349 (Academic): EXPLORING ISSUES AND STRATEGIES OF DEVELOPING SKYWAY SYSTEMS: A CASE STUDY OF THE TAIPEI SHIN-YI DISTRICT

Jen-Te PAI*, Chia-Ping LEE, Jon-Jye CHENG

100396 (Academic): AN ANALYSIS OF TRAFFIC CONFLICT PHENOMENON OF BICYCLES USING SPACE OCCUPANCY INDEX

Keiichi OGAWA*

Meeting Room 6: C (September 24th: 16:40-18:10)

[6C]Public Transport (1) Operation

Chairperson: Shyue Koong CHANG

100028 (Academic): EVALUATION OF BUS LANE BENEFITS AND IMPACTS

Li SHUGUANG*, Xu HONGKE

100080 (Academic): THE OPERATIONAL CHARACTERISTICS OF THE JAKARTA BUS RAPID TRANSIT SERVICES

Leksmono Suryo PUTRANTO*

100130 (Academic): FINANCIAL OPTIONS: MANAGEMENT OF GPS-BASED DISPATCHING TAXI, A CVO DEPLOYMENT OF ITS

Kevin P.HWANG*, Jen-Tsung LIEN

100181 (Academic): DESIGN OF FREQUENCY OF BUS LINE WITH A BI-LEVEL MODEL

Bin YU*, Zhongzhen YANG, Lu WANG

Meeting Room 6: D (September 25th: 8:30-10:00)

[6D]Public Transport (2) Bus Modeling

Chairperson: Kiyoshi TAKAHASHI

100237 (Academic): INVESTIGATING THE EFFECTS OF TRANSIT INFORMATION SYSTEMS ON DIFFERENT USER GROUPS

Yalcin ALVER*, Shoshi MIZOKAMI

100279 (Academic): AN OPTIMAL TRANSIT SCHEDULING FOR PASSENGER TRANSFER VIA ANT ALGORITHM

Tang Hsien CHANG, Li Ka YANG*

100460 (Academic): A USER PREFERABLE K-SHORTEST PATH ALGORITHM FOR INTERMODAL NETWORK

Zhuo SUN*, Qionghua WU, Hirokazu KATO, Yoshitsugu HAYASHI

100579 (Practical): IMPROVING THE ROUTE BUS TRADE MODEL USING OPERATION DATA AND MARKETING

Masaru YAJIMA*, Kunihiro SAKAMOTO, Hisashi KUBOTA

Meeting Room 6: E (September 25th: 10:20-11:50)

[6E]Public Transport (3) Bus Performance

Chairperson: Yang Zhongzhen

100045 (Academic): IMPACT ASSESSMENT OF BUSWAY IMPLEMENTATION IN JAKARTA: A CASE OF CORRIDOR ONE (SUDIRMAN-THAMRIN)

Sutanto SOEHODHO*, Alvinsyah ALVINSYAH

100110 (Academic): ANALYZE OF BUS SERVICE PERFORMANCE AND PASSENGER CHARACTERISTIC (A CASE STUDY ON CITY BUS IN BANDAR LAMPUNG INDONESIA)

Rahayu SULISTYORINI*

100152 (Academic): A SYSTEMATIC APPROACH FOR QUESTIONNAIRE DESIGN ON NEW TRANSIT SYSTEM IMPLEMENTATION IN DEVELOPING COUNTRIES

Thillaiampalam SIVAKUMAR*, Toshiyuki O KAMURA, Fumihiko NAKAMURA

100187 (Academic): A STUDY OF TIME VARYING TRANSIT SERVICE AREA AND ITS INFLUENCE ON MODAL CHOICE

Hajime DAIMON*, Akinori MORIMOTO, Hirotaka KOIKE

100605 (Practical): EXPLORATION OF THE COMMUNITY DESIRES IN THE PROVISION OF ADAPTIVE BUS SERVICE IN JAPANESE RURAL AREA

Tri Basuki JOEWONO*, Masaru YAJIMA, Kenichi SUZUKI, Kunihiro SAKAMOTO, Hisashi KUBOTA

Meeting Room 6: F (September 25th: 13:00-14:30)

[6F]Public Transport (4) Planning

Chairperson: Yang Zhongzhen

100432 (Academic): MODELING PUBLIC TRANSPORT CHAINS IN DEVELOPING CITIES

Caesar Pascual RUBITE*, Yasunori MUROMACHI

100350 (Academic): POSSIBILITY AND PROBLEMS OF A COMMUNITY BASED MUSEUM BUS TO SUPPORT LOCAL CULTURE IN THE HANSHINKAN AREA

Yasuo TOMITA*, Tsutomu DOI

100513 (Academic): THE EFFECT OF FARE POLICY ON PUBLIC TRANSPORT RIDERSHIP AND PASSENGER AVERAGE TRAVELLED DISTANCE (CASE: JAKARTA BRT)

Alvinsyah ALVINSYAH*, Soehodho SUTANTO

100531 (Academic): SUGGESTING URBAN MASS TRANSIT TECHNOLOGY FOR PAKISTAN

Intikhab Ahmed QURESHI*

100624 practical) DEVELOPMENT OF SCHEDULED BUS SERVICES IN ASEAN COUNTRIES -CASE STUDIES OF CHIANG MAI, BATAM, AND SIEM REAP

Takeshi SHIMOMURA*, Satoshi OGITA, April COLETTE, Yoshiya NAKAGAWA, Chiaki KURANAMI, Hironori KATO

Meeting Room 6: G (September 25th: 14:50-16:20)

[6G]Public Transport (5) Para transit

Chairperson: Wu Chaozhong

100132 (Academic): THE MULTIGROUP ANALYSIS REGARDING USER PERCEPTION OF PARATRANSIT SERVICE

Tri Basuki JOEWONO*, Hisashi KUBOTA

100365 (Academic): DEMAND RESPONSIVE TRANSPORT AND ITS CAPABILITY IN ADDRESSING THE EMPLOYMENT NEEDS OF RURAL AREAS

Michele EASTMOND, Dilum DISSANAYAKE*

100400 (Academic): STUDY ON REGULATION OF MOTORCYCLE TAXI SERVICE IN BANGKOK

Ryosuke OSHIMA*, Atsushi FUKUDA, Tuenjai FUKUDA, Thaned SATIENNAM

100629 (Practical): URBAN TRANSPORT IN INDIA: POLICY GUIDELINES

Geetam TIWARI*

100647 (Practical): BICYCLE FACILITIES INITIATIVE IN JAKARTA

Andi RAHMAH*

Meeting Room 6: H (September 25th: 16:40-18:10)

[6H]Public Transport (6) Passenger's Behavior

Chairperson: Wu Chaozhong

100047 (Academic): PASSENGERS' BEHAVIORAL INTENTIONS FOR INTERCITY BUS SERVICE IN TAIWAN:
APPLICATION AND COMPARISON OF THE LISREL AND NEURAL NETWORKS

Kai Chieh HU*, William JEN

100206 (Academic): AN ANALYSIS USING THE AIDA MODEL TO COMPARE THE SERVICE LEVEL OF THE BUS
TRANSPORTATION SYSTEM AND TRAVEL BEHAVIOR

Kousuke MIYAZAKI*, Keishi TANIMOTO, Jun-Ichi TAKAYAMA, Takehiro KIKUCHI

100345 (Academic): MODELING THE COMFORT OF PASSENGERS IN URBAN PUBLIC TRANSPORT SYSTEM

Chao-Fu YEH*

100410 (Academic): A BEHAVIORAL ANALYSIS OF PASSENGERS' RAILWAY STATION FACILITIES VISITING
CHARACTERISTICS

Yoshihisa YAMASHITA*, Naohiko HIBINO, Hisao UCHIYAMA

Meeting Room 6: I (September 26th: 8:30-10:00)

[6I]Public Transport (7) Railway Planning

Chairperson: Naohiko HIBINO

100354 (Academic): ANALYSIS OF TRAVEL DEMAND FOR MEDAN COMMUTER RAIL DEVELOPMENT

Henry ARMIJAYA*, Bambang Budi PRASETYO, Ari Sarif MUNANDAR

100451 (Academic): RECENT DEVELOPMENT OF INDONESIA RAILWAY INSTITUTION

Harun Al-Rasyid Sorah LUBIS*, Pamungkas NURULLAH

100598 (Practical): NEW MASTER PLAN OF JABODETABEK RAILWAY

Akira NEHASHI*, Tohir KARTABRATA

100646 (Practical): THE ESTABLISHMENT OF A NEW SCHEME FOR DEVELOPMENT OF URBAN RAILWAY AND
OUTLINE OF ITS FIRST IMPROVEMENT PROJECT

Satoru KAJITA*

Meeting Room 6: J (September 26th: 10:20-11:50)

[6J]Public Transport (8) Railway Engineering

Chairperson: Zhang Tao

100600 (Practical): RESEARCH AND EXPLOITATION ON RAILWAY STATION SIGNAL CONTROL EQUIPMENT FAULT
DIAGNOSIS EXPERT SYSTEM IN CHINA

Xi ZHANG*, Cheng LU, Yu CHEN, Ying-Nan WANG

100057 (Academic): A TRAIN SERVICE PLANNING MODEL WITH DYNAMIC DEMAND FOR INTERCITY RAILWAY
SYSTEMS

Jyh-Cherng JONG*, Chian-Shan SUEN, Thsrc TAIWANHIGH SPEEDRAILCORPORATION

100413 (Academic): REFORMING CONVENTIONAL RAIL SERVICES TO COMPETE AGAINST HIGHSPEED RAIL

Chieh-Hua WEN*, Chih-Huai LIN, Sheng-Jun PENG

100568 (Practical): A STUDY ON CONTACT PROBLEM OF WHEEL/RAIL USING FINITE ELEMENT METHOD DURING PASSING THROUGH CURVED TRACK

Li Ping SUN, Jian ZHANG*, Jun ZHANG, Chang HuaWU

Meeting Room 6: K (September 26th: 13:00-14:30)

[6k]Public Transport (9) Urban Railways

Chairperson: Seiji IWAKURA

100189 (Academic): FINANCIAL SUSTAINABILITY OF RAIL TRANSIT SERVICES - CASE STUDY IN HONGKONG

Z. W. WANG, Hong K. LO*

100380 (Academic): DEVELOPMENT PLANNING FOR METRO SYSTEM IN HOCHIMINH CITY

Van Chinh TRINH*, Tu Anh TRINH

100395 (Academic): TRANSIT STATION ACCESS TRIPS AND FACTORS AFFECTING PROPENSITY TO WALK TO TRANSIT STATIONS IN BANGKOK, THAILAND

Saksith CHALERMPONG*, Sony S.WIBOWO

100415 (Academic): AN ANALYSIS ABOUT THE EFFECTS OF RAILWAY STATION ON REGIONAL ECONOMY: RELATED TO STANDARD OF LOCATION

Ho Jin CHOI*, Sun Yon HWANG, Hyo Seung KIM, Chang Ho PARK

Meeting Room 6:L(September 26th: 14:50-16:20)

[6L]Public Transport (10) Universal Transport

Chairperson: Choung Kym KIM

100236 (Academic): THE IMPLICATION OF TRANSPORT DIVERSITY FOR SUSTAINABLE URBAN TRANSPORTATION

Cheng-Min FENG, Cheng-Hsien HSIEH*

100427 (Academic): WHAT IF THE SUPPRESSED TRAVEL DEMANDS OF THE TRANSPORT DISADVANTAGED WERE RELEASED: RESULTS OF A SIMULATION

Shosh Imizokami, Yavuz DUVARCI*

100582 (Practical): AN ANALYSIS OF MOBILITY FOR ELDERLY PEOPLE LIVING IN AN ISLAND

Masato OKAYAMA*

100431 (Academic): THE OLDER DRIVER'S TRAFFIC ACCIDENTS IN KOREA

Kyungwoo KANG*, Jungtae KWON, Wookag KOOK, Jongheun KIM

Meeting Room 7

Meeting Room 7: A (September 24th: 13:00-14:30)

[7A]Logistics Policy

Chairperson: Jin Zhihong

100641(Practical):TOWARDS MULTIMODAL TRANSPORT AND LOGISTICS SERVICES FOR RISING ASIA:
PREPAREDNESS AND ACTION

Indra P.TIWARI*

100668 (Practical): EAST ASIA INTERNATIONAL COMPETITIVENESS INDEX FROM THE VIEW POINT OF INDUSTRY
Masayuki TAKASHIM, Toru AMANO, Atsushi HASEGAWA, Yasushi TSUTSUMI, Masanao FURUTA*

100425 (Academic):ROLE ESTABLISHMENT OF EACH AUTHORITY IN TRANSPORT LOGISTICS ACCORDING TO
THE GROWTH OF INFORMATION AND TECHNOLOGY

Kang Dae LEE*, Hoon JANG, KangWon LIM

100508 (Academic): THE PERSPECTIVE OF CHINA'S LOGISTICS UNDER THE WTO FRAMEWORK

Yingfeng YU*, Wen Long YUE

100593 (Practical): CHARACTERIZING LOAD LIMIT OFFENCES IN INDONESIA; A STATISTICAL APPROACH ON
OVERLOADING CASES AT WBSS

Igw Samsi GUNARTA, Idwan SANTOSO, Bambang ISMANTO, Pradono PRADONO*

Meeting Room 7: B (September 24th: 14:50-16:20)

[7B]Freight Modeling

Chairperson: Jun Taberna CASTRO

100082 (Academic): INDONESIAN DOMESTIC SEA FREIGHT MOVEMENT MODELING BASED ON STRAMINDO
DATA (2003)

Ofyar ZTAMIN*, Rusmadi SUYUTI

100185 (Academic): STUDY ON THE MODEL STRUCTURE OF THE INTEGRATED TRANSPORT NETWORK

Zhongzhen YANG*, Guoqiang MIAO, Zhi ZUO, Lu WANG

100272 (Academic): MULTIMODAL FREIGHT TRANSPORT NETWORK DESIGN FOR DEVELOPING COUNTRIES

Jun Taberna CASTRO*, Tadashi YAMADA, Bona FrazilaRUSS, Makoto IIDA

100310 (Academic): INTEGRATED LOGISTICS NETWORKS MODELING AND GENETIC ALGORITHM DEVELOPING

Yong PENG*

Meeting Room 7: C (September 24th: 16:40-18:10)

[7C]Supply Chain

Chairperson: Kyungwoo KANG

100023 (Academic): TEMPERATURE ISSUES IN FINE WINE TRANSPORTATION

Ying XIE*, Chris KISSLING

100069 (Academic): LOGIT DEMAND SUPPLY CHAIN NETWORK EQUILIBRIUM PROBLEM

Huey-Kuo CHEN*, Huey-Wen CHOU

100007 (Academic): PLANNING OF VEHICLE ROUTES FOR HANDLING MIXED PICKUP AND DELIVERY OPERATIONS WITH SIMULATED ANNEALING ALGORITHM

Shwu-Ping GUO*, Xin-Ying HUANG

100131 (Academic): EXPLORING THE FACTORS AFFECTING THE SUPPLY CHAIN OPERATIONAL MODEL FOR NOTEBOOK-COMPUTER COMPANIES

Cheng-Min FENG, Chi-Hwa CHERN*

100553 (Academic): REVERSE LOGISTICS CHAIN

Ruhe XIE*, Zhuqiang QIU, Baoxing CHEN, Yanping ZHANG

Meeting Room 7: D (September 25th: 8:30-10:00)

[7D]Road Pavement (1)

Chairperson: Kunnawee KANITPONG

100019 (Academic): A PROPOSAL TO IMPROVE THE DESIGN PROCEDURES OF WEARING COURSE MIXTURE IN INDONESIA

Iman HARYANTO*, Osamu TAKAHASHI

100095 (Academic): THE EFFECT OF FILLER AS MODIFIER IN BINDER ON ASPHALT CONCRETE PROPERTIES

Imam ASCHURI*, David WOODWARD, Alan WOODSIDE

100146 (Academic): MICRO NATURAL ROCK ASPHALT FROM BUTON ISLAND (MICRO-ASBUTON) AS STABILIZING AGENT FOR EXPANSIVE SOILS

BambangIsmanto SISWOSOE BROTHO*, Noertjahjo WIDODO

100530 (Academic): PROPERTIES OF CEMENTITIOUS GROUTS USING POZZOLANIC MATERIALS

Roshni AFATIMAH*, Mohamed Rehan KARIM, Hilmi MAHMUD

100614 (Practical): THE PERFORMANCE OF ASPHALT MIX CONTAINING SLAG AGGREGATES FOR HEAVY TRAFFICKED ROADS

Eri Susanto HARIYADI*, Leksmi NINGSIH, BambangIsmanto SISWOSOE BROTHO

Meeting Room 7: E (September 25th: 10:20-11:50)

[7E]Road Pavement (2)

Chairperson: Kunnawee KANITPONG

100018 (Academic): NEW STABILITY INDEX INDICATING RUTTING RESISTANCE OF ASPHALT MIXTURE

Iman HARYANTO*, Osamu TAKAHASHI

100020 (Academic): USE OF SPHERICAL AGGREGATES ASSEMBLY MODELS FOR THE ASSESSMENT OF DILATANCY AND RUTTING OF ASPHALT MIXTURE

Iman HARYANTO*, Osamu TAKAHASHI

100060 (Academic): DYNAMIC TIME DOMAIN BACKCALCULATION OF LTPP TEST SITES

Ming-Lou LIU*, Hsiao-Yuan LIAO, Jui-Chang CHUANG

100061 (Academic): PLASTIC DEFORMATION CHARACTERISTICS AND STIFFNESS MODULUS OF HOT ROLLED

SHEET (HRS) CONTAINING BUTON ASPHALT (ASBUTON)

Bambang Sugeng SUBAGIO*, Harmein RAHMAN, Harry FITRIADI, Lusyana LUSYANA

100500 (Academic): RUTTING CHARACTERISTICS OF BITUMINOUS MIXES REINFORCED WITH GLASSFIBER

Abdelaziz MAHREZ*, Mohamed REHAN KARIM

Meeting Room 7: F (September 25th: 13:00-14:30)

[7F]Road Pavement (3)

Chairperson: Zhao Yinghua

100037 (Academic): SENSITIVITY ANALYSIS OF STRAINS AND STRESSES FOR LONG-LIFE ASPHALT PAVEMENT

Hongyan SUN*, Chuanchao ZHENG

100048 (Academic): RESISTANCE TO OVERCOMPACTION OF SINGLE LAYER AND DOUBLE LAYER POROUS ASPHALTS

Meor Othman HAMZAH*, Hardiman M.YATIM

100059 (Academic): DYNAMIC RESPONSE OF PAVEMENT WITH ABSORBING ELEMENT

Ming-Lou LIU*, Zhi-Qiang LIN, Jui-Chang CHUANG

100063 (Academic): NEUTRAL PLANE ANALYSIS OF TWO-LAYER BONDED CONCRETE SLAB ON WINKLER FOUNDATION

Chuanchao ZHENG*, Xucan YU

Meeting Room 7: G (September 25th: 14:50-16:20)

[7G]Road Pavement (4)

Chairperson: Zhao Jing

100077 (Academic): THE NONLINEAR BACKCALCULATION FOR LTPP TEST SECTIONS

Ming-Lou LIU*, Hsiao-Yuan LIAO, Jui-Chang CHUANG

100295(Academic):APPLICATION OF RELIABILITY-BASED SAFETY FACTORS TO MECHANISTIC-EMPIRICAL FLEXIBLE PAVEMENT DESIGN

Hyung Bae KIM*, Namho KIM

100439 (Academic): INFLUENCE OF SUPERPLASTICIZER ON PROPERTIES OF CEMENTITIOUS GROUT FOR SEMI-RIGID PAVEMENT

Roshni AFATIMAH*, Mohamed Rehan KARIM, Hilmi MAHMUD

100481 (Academic): INFLUENCE OF SUPERPLASTICIZER TYPE AND DOSAGE ON THE WORKABILITY AND STRENGTH OF CEMENTITIOUS GROUT FOR SEMI-FLEXIBLE PAVEMENT APPLICATION

Suhana KOTING*, Hilmi MAHMUD, Mohamed Rehan

100482 (Academic): THE PROPERTIES OF BITUMINOUS MIXTURES FOR SEMI-FLEXIBLE PAVEMENT

Suhana KOTING*, Mohamed Rehan KARIM, Hilmi MAHMUD

Meeting Room 7: H (September 25th: 16:40-18:10)

[7H]Road Pavement (5)

Chairperson: Jian-Shiuh CHEN

100043 (Academic): RURAL ROAD SURFACING RESEARCH FOR SUSTAINABLE ACCESS

Giang TA VAN*, Duc NGUYENHUU, Robert PETT

100120 (Academic): A STUDY ON THE RHEOLOGICAL PROPERTIES OF POLYMER MODIFIED BITUMINOUS BINDER

Md. Shamsul HOQUE*, Md. Abdullah AIHOSSAIN

100375 (Academic): STRENGTH EVALUATION FOR SUBGRADE AND SUBBASE USING HISTORICAL TIME DATA OF PORTABLE FWD

Yoshio TATSUMI*, Osamu TAKAHASHI

100549 (Practical): DOUBLE LAYER POROUS ASPHALT IN THE NETHERLANDS AND FIELD MONITORING IN BELGIUM

Meor Othman HAMZAH*

100658 (Practical): EVALUATION OF BONDING CONDITION BETWEEN ASPHALT PAVEMENT LAYERS

Eri Susanto HARIYADI*, BambangIsmanto SISWOSOEBRO

BambangSugeng SUBAGIO, Djunaedi KOSASIH

Meeting Room 7: I (September 26th: 8:30-10:00)

[7I]Road Maintenance (1)

Chairperson: Zhao Yinghua

100046 (Academic): A STUDY OF FACTORS INFLUENCING VEHICLE HYDROPLANING SPEED

Ghim Ping ONG, Tien Fang FWA*

100065 (Academic): EXPERIMENTAL STUDY ON FATIGUE CRACK GROWTH IN BOTH PLAIN AND REINFORCED ASPHALT CONCRETES

Chuanchao ZHENG*, Aysar NAJD

100109 (Academic): MAINTENANCE SELECTION FOR HIGHWAY NETWORK IN VIETNAM

Dinh Tuan HAI*, Nguyen Xuan DAO

100220 (Academic): EVALUATION METHOD OF THE PAVEMENT RUTTING BASED ON THE VEHICLE DYNAMICS

Kazuya TOMIYAMA*, Akira KAWAMURA, Yiming ALIMUJIANG,

Tateki ISHIDA, Shigenori NAKAJIMA, TakashiNAKATSUJI

100632(Practical): DEVELOPMENT OF PAVEMENT DISTRESS IDENTIFICATION MANUAL FOR MOTORWAY (M-2) PAKISTAN

Kamran Muzaffar KHAN*

Meeting Room 7: J (September 26th: 10:20-11:50)

[7J]Road Maintenance (2)

Chairperson: Chuanchao ZHENG

100002 (Academic): FUNDAMENTAL CHARACTERIZATION OF ASPHALT BINDERS FOR PAVEMENT PERFORMANCE

Jian-Shiuh CHEN, Poyen CHU*, Chien-Chung HUANG, Kui-Yi LIN

100016 (Academic): PRELIMINARY STUDY ON FLEXIBLE PAVEMENT PERFORMANCE A CASE STUDY JAGORAWI TOLL ROAD WESTJAWA, INDONESIA

Aloysius TJAN*

100546 (Practical): SIMPLE PERFORMANCE TEST AND PERFORMANCE INDICES AS A STEP TOWARD PERFORMANCE BASED SPECIFICATION OF ASPHALT PAVEMENT

Iman HARYANTO*

100603 (Practical): THE RETROREFLECTIVE PERFORMANCE OF THE ROAD MARKINGS IN KOREA Jewon KIM, Soohyung LEE, Inkyoon YOO*

Meeting Room 7: K (September 26th: 13:00-14:30)

[7k] Road Maintenance (3)

Chairperson: Zheng Chuanchao

100058 (Academic): REQUIRED LUMINOUS INTENSITY OF LED ROADWAY DELINEATORS UNDER FOGGY CONDITIONS

Kazunori MUNEHIRO*, Roberto A. TOKUNAGA

Motoki ASANO, Toru HAGIWARA

100233 (Academic): A METHOD FOR URBAN ROAD MAINTENANCE MANAGEMENT

Indra Alfitri MAIZIR*

100519 (Academic): TECHNOLOGY ACCEPTANCE FOR FIELD WORKERS WITH PORTABLE DEVICES AND THE EFFECT OF PERCEIVED BEHAVIORAL CONTROL

Shih-Hung HSU*, William JEN

100610 (Academic): NEW APPROACH TO PAVEMENT MANAGEMENT SYSTEM IN THAILAND

Nara KHOMNAMOOL*, Pichai TANEERANANON, Surachai SRILENAWAT, Pipat THONGCHIM

100638 (Practical): CREATING ROAD IMAGE ON DRIVING SIMULATOR

Yiming ALIMUJIANG*, Akira KAWAMURA, Kazuya TOMIYAMA

Meeting Room 7: L (September 26th: 14:50-16:20)

[7L] Risk Management

Chairperson: Shengchuan ZHAO

100094 (Academic): COMPUTATION OF SEPARATION STANDARD IN A GIVEN SAFETY LEVEL ON THE PARALLEL ROUTE

Zhaoning ZHANG, Xiuhui ZHANG*, Lili WANG, Jinjin GUO

100126 (Academic): TRANSPORTATION NEED OF EMERGENCY MEDICAL SERVICE: AN OCCURRENCE RATE ANALYSIS

Kevin P. HWANG, Ching-Han WU*

100212 (Academic): DEVELOPMENT OF SEISMIC RISK ASSESSMENT METHODOLOGY FOR HIGH SPEED RAILWAYS

Makoto SHIMAMURA, Yayoi MISU*

100403 (Academic): RELIABILITY OF MOUNTAIN ROAD NETWORK AND A GIS BASED SLOPE RISK
MANAGEMENT APPROACH: A CASE STUDY OF NEPALESE NATIONAL

Bhoj Raj PANTHA*, Kiyoharu HIROTA, Netra Prakash BHANDARY, Ryuchi YATABE

100165 (Practical): DEVELOPMENT OF DECISION SUPPORT SYSTEM FOR AN UNSCHEDULED EVENT: A CASE IN
KOREA

SeongkwanMark LEE, Jong Sung LEE*, TschanghoJohn KIM

Meeting Room 8

Meeting Room 8: A (September 24th: 13:00-14:30)

[8A]Traffic Signal

Chairperson: Jose Regin F. REGIDOR

100076 (Academic): TRAFFIC SIGNAL EVALUATION USING A MODIFIED PASSENGER CAR EQUIVALENT UNIT

Xuan Ha NGUYEN*, Wen Long YUE

100121 (Academic): TRAFFIC SIGNAL DESIGN FOR NON-LANE BASED HETEROGENEOUS ROAD TRAFFIC CONDITION

Md. Asif IMRAN*, Md. Shamsul HOQUE

100306 (Academic): COMBINED SIGNAL CONTROL AND BOUNDEDLY RATIONAL TRAFFIC ASSIGNMENT BASED ON CA AND HGA

Shoufeng LU*, Ximin LIU

100321 (Academic): ANALYSIS OF CHANGES ON THE INTERSECTION EFFICIENCY ON INTRODUCING A NEAR-SIDE TRAFFIC SIGNAL

Song Su SON*, Kyung Soo CHON

100363 (Academic): THE NEED FOR TRAFFIC SIGNALIZATION FROM THE PERSPECTIVE OF LOCAL GOVERNMENT UNITS OUTSIDE METRO MANILA: AN ASSESSMENT

Franklyn AMISTAD*, Jose Regin REGIDOR

Meeting Room 8: B (September 24th: 14:50-16:20)

[8B]Traffic Flow Analysis (1)

Chairperson: Karl N. VERGEL

100134 (Academic): THE CHARACTERISTICS OF TEMPORAL TRAFFIC FLOW DYNAMICS

Lawrence W.LAN, Juih-Biing SHEU, Yi-San HUANG*

100163 (Academic): EXAMINING TRAVEL TIME RELIABILITY ON HAN-SHIN EXPRESSWAY NETWORK

Ravi Sekhar CHALUMUR*, Toshihiko KITAZAWA, Jun TANABE, Yoshiki SUGA, Yasuo ASAKURA

100256 (Academic): AVERAGE FREEWAY LINK TRAVEL TIME PREDICTIONS USING DATA FROM FIXED SENSORS

Kittichai THANASUPSIN*, Viroat SRISURAPANON

100270 (Academic): PREDICTION OF SHORT-INTERVAL TRAFFIC DYNAMICS IN MULTIDIMENSIONAL SPACES

Lawrence W.LAN, Juih-Biing SHEU, Yi-San HUANG*

Meeting Room 8: C (September 24th: 16:40-18:10)

[8C]Traffic Flow Analysis (2)

Chairperson: Atsushi FUKUDA

100042 (Academic): INCIDENT DETECTION MODELS TO DETECT BOTH LANE-BLOCKING AND SHOULDER INCIDENTS

Kittichai THANASUPSIN*, Sarosh KHAN

100204 (Academic): THE EFFECTS OF OFFSETTING AND WEDGING CELL LATTICES IN THE ON-RAMP SYSTEM

Wei HUA*, Peng SHEN, Fengyan ZHOU

100333 (Academic): THE BEHAVIOR OF PEDESTRIANS AT CROSSWALKS IN NANJING

Jianmei LI*, Haruo ISHIDA, Naohisa OKAMOTO, Morito TSUTSUMI

100339(Academic): PATTERNS OF DISCHARGE FLOW AT TRAFFIC SIGNALS AND IMPLICATIONS IN MOTORCYCLE TRAFFIC

Hien Quoc NGUYEN*, Frank MONTGOMER

100402(Academic):PRESENTATION OF NEW DIAGRAM FOR INCIDENT DETECTION CONSIDERING SPEED VARIABLE

Sangu KIM, Youngchun KIM*

Meeting Room 8: D(September 25th: 8:30-10:00)

[8D]Highway Capacity and Quality of Service

Chairperson: Zheng Chuanchao

100009 (Academic): PCE OF U-TURN TRAFFIC AND LANE UTILIZATION AT U-TURN SECTION WITHOUT AUXILIARY LANE

Terdsak RONGVIRIYAPANICH*, Teerapon LADALALITSAKUL

100331 (Academic): ESTIMATING CRITICAL GAP ACCEPTANCE FOR UNSIGNALISED T-INTERSECTION UNDER MIXED TRAFFIC FLOW CONDITION

Wan Hashim WAN IBRAHIM*, Mohd Erwan SANIK

100512 (Academic): INFLUENCE OF HEAVY VEHICLES ON JAPAN TWO-LANE HIGHWAY SPEED AND FOLLOWER FLOW CHARACTERISTICS

Jerome Lejano CATBAGAN*, Hideki NAKAMURA

100573 (Academic): DEVELOPMENT OF THE TRAFFIC CONGESTION INDEX FOR FREEWAY CORRIDORS IN SOUTH KOREA

Jaisung CHOI*, Chungwon LEE, Seungjun LEE, Juseong YU

Meeting Room 8: E (September 25th: 10:20-11:50)

[8E]Transport Network (1)

Chairperson: Feng Fenling

100176 (Academic): INCORPORATING NETWORK IMPACT ANALYSIS INTO ROAD ALIGNMENT OPTIMIZATION

Peng JIA*, Zhuo SUN, Hirokazu KATO, Yoshitsugu HAYASHI

100074 (Academic): PERFORMANCE EVALUATION OF ADVANCED TRAFFIC CONTROL SYSTEMS IN DEFERENT ROAD NETWORK TYPOLOGIES

Acaroline SUTANDI*, Wimpy SANTOSA

100191 (Academic): INTEGRATED TOLLING AND CAPACITY EXPANSION SCHEDULE FOR TRANSPORTATION NETWORK MANAGEMENT

Barbara W.Y.SIU, Hong K.LO*

100645 (Practical): EVALUATION OF ROADS NETWORK IN JAPAN FROM VIEWPOINT OF DRIVABILITY

Yukihiro TSUKADA, Tadashi OKUTANI, Shinji ITSUBO, Jun TANABE*

Meeting Room 8: F (September 25th: 13:00-14:30)

[8F]Transport Network (2)

Chairperson: Liu Changyou

100184 (Academic): ROAD NETWORK ACCESSIBILITY ISSUES AND IMPACTS ON REGIONAL AUSTRALIA

Sekhar V C SOMENAHALLI*, Michael A PTAYLOR

100029 (Academic): DYNAMIC TRAFFIC NETWORK MODEL WITH COMBINED MODE IN CONGESTED NETWORKS

Li SHUGUANG*, Xu HONGKE

100101 (Academic): AIR-RAIL INTER-MODAL NETWORK DESIGN UNDER HUB CAPACITY CONSTRAINT

Makoto OKUMURA*, Makoto TSUKAI

100202 (Academic): AN INTEGRATED MODEL OF RURAL INFRASTRUCTURE DESIGN IN DEVELOPING COUNTRIES

Salpiseth HENG*, Yasuhiro HIROBATA, Hitomi NAKANISHI

100296 (Academic): MODELLING THE EFFECTS OF MULTI-MODAL TRAVELER INFORMATION SYSTEMS

Zhijia TAN, William H.K.LAM, Zhichun LI, Agachai SUMALEE*

Meeting Room 8: G (September 25th: 14:50-16:20)

[8G]Traffic Control

Chairperson: S. C. WONG

100027 (Academic): EFFECT OF SPEED REDUCTION DEVICES ON THROUGH TRAFFIC: AN ANALYTICAL MODEL AND SCENARIO ANALYSIS

Kuan-Zu CHEN*, Juey-Fu CHENG, Kevin P. HWANG

100423 (Academic): TRAFFIC MANAGEMENT OF A MAJOR ARTERIAL WITH THE LANE USE CONTROL IN A LARGE URBAN AREA

Jaisung CHOI*, Heungsoon CHOI, Sangyoun KIM, Seungyong LEE

100467 (Academic): TRAFFIC CONTROL ON TWO WAY TWO LANE ROADS WORK ZONES: A CASE STUDY IN INDONESIA

Endang WIDAJANTI, Tri TJAHJONO*, Sutanto SOEHODHO

Meeting Room 8: H (September 25th: 16:40-18:10)

[8H]Intersection

Chairperson: Youngchan KIM

100003 (Academic): ANALYSIS OF BICYCLE BEHAVIOR IN SIGNALIZED INTERSECTION BY STATISTICS

Xinglai GONG*, Xiuyuan, Hongxia YE

100334 (Academic): PERFORMANCE EVALUATION OF ROUNDABOUTS CONSIDERING TRAFFIC CONFLICTS

Nakamura HIDEKI, Mabuchi TAIKI*

100434 (Academic): A COMPARATIVE STUDY ON TRAFFIC CHARACTERISTICS AND DRIVER BEHAVIOR AT SIGNALIZED INTERSECTIONS IN GERMANY AND JAPAN

Keshuang TANG*, Hideki NAKAMURA

100585 (Academic): TRAFFIC STUDY IN AN URBAN AREA: THE CASE OF UNSIGNALIZED INTERSECTION ALONG NATIONAL HIGHWAY IN URDANETA CITY, PANGASINAN PHILIPPINES

Franklyn Tinaza AMISTAD*, Jose Regin REGIDOR

100621(Practical):A GUIDELINE FOR SIGNALIZED INTERSECTION DESIGN CONSIDERING PEDESTRIANS'PSYCHOLOGY

Kiichiro HATOYAMA*, Masao KENZAKI

Meeting Room 8: I (September 26th: 8:30-10:00)

[8I]Traffic Safety (1)

Chairperson: Jeremy WOOLLEY

100038 (Academic): SUPPORTING APPRAISAL FOR INNOVATIVE TRAFFIC CONTROL DEVICES:AN APPLICATION OF FAHP

Kevin P.HWANG*, Chi-Chung WANG

100136 (Academic): HOW DO THE TRAFFIC POLICE PERCEIVE THEIR ABILITY FOR RED LIGHT RUNNING ENFORCEMENT?-AN APPLICATION OF THE RASCH MEASURE

Hsin-Li CHANG, Chang-Ku SHIH*

100243 (Academic): ROAD SAFETY IN VIETNAM: THE CAUSES AND SOLUTIONS

Ha Huu NGUYEN*

100366 (Academic): EVALUATION OF SPEED LIMIT ON HOKKAIDO ROADS

Suthipun THANESUE*, Seiichi KAGAYA, Ken-Etsu UCHIDA, Toru HAGIWARA

100535 (Academic): CAUSES OF ROAD ACCIDENTS IN PAKISTAN AND THEIR PREVENTIVE MEASURES

MumtazAhmed KAMAL*, Imran HAFEEZ

Meeting Room 8: J (September 26th: 10:20-11:50)

[8J]Traffic Safety (2)

Chairperson: Nguyen Xuan DAO

100463 (Academic): IMPACT OF GARMENT INDUSTRIES ON ROAD SAFETY IN METROPOLITAN DHAKA

Md. Shamsul HOQUE*, Ashim Kumar DEBNATH, S.M. Sohel MAHMUD

100079 (Academic): RED LIGH VIOLATION BY MOTORCYCLISTS AT A SIGNALIZED INTERSECTION IN JAKARTA

LeksmonoSuryo PUTRANTO*, Robby SUCIPTO

100182 (Academic): VR ANALYSIS OF MULTI-VEHICLE ACCIDENTS IN UNDERGROUND URBAN EXPRESSWAY

Terumitsu HIRATA*, Kunihiro YAMAGUCHI, Tetsuo YAI

100475 (Academic): A STUDY ABOUT PSYCHOLOGICAL CAUSE OF SPEED REDUCTION ON HIGHWAY TUNNEL SECTION

Ki-Jung KUM, Seung-Neo SON*, Yun-Mi LEE, Yi-Wan WANG, Jae-Woong JOO

100486 (Academic): TRAFFIC SAFETY AS A PRE-REQUISITE FOR SUSTAINABLE URBAN TRANSPORT:AN
INTERNATIONAL ANALYSIS

Dinesh MOHAN*

Meeting Room 8: K (September 26th: 13:00-14:30)

[8K]ITS (1)

Chairperson: Sorawit NARUPITI

100081 (Academic): THE ADVANCED INTELLIGENT ENFORCEMENT SYSTEM

Cheng-Min FENG, Pei-Ju WU*

100253 (Academic): DEVELOPMENT OF NATIONAL HIGHWAY ITS FACILITY MANAGEMENT SYSTEM UTILIZING
RFID TECHNOLOGY IN UBIQUITOUS ENVIRONMENTS

Hyun Suk PARK*, Young Chan KIM, Hak Yong MOON

100359 (Academic): A STUDY ON THE PERFORMANCE EVALUATION AND ADEQUATE USAGE OF DEICING
MATERIALS

Dukgeun YUN*, Junhwa JEONG

100488 (Academic): DEVELOPMENT OF TRAFFIC DATA QUALITY EVALUATION METHOD AND COMPUTER
PROGRAM

Seungjin SHIN, Dongjoo PARK*, Hansoo KIM, Seungkir Lbaek, Seong NAMKOONG

100559 (Practical): DEPLOYMENT OF THE ROAD MARKING SYSTEM SYNCHRONIZING WITH IT

Makoto KITAYAMA*, Tadashi YOSHIDA, Yasuhiro NAKAMURA

Meeting Room 8: L (September 26th: 14:50-16:20)

[8L]ITS (2)

Chairperson: Hidekatsu HAMAOKA

100106 (Academic): APPLICATION OF A VEHICLE TRACKING SYSTEM TO RIGHT TURNINGBEHAVIOR FOR
INTERSECTION COLLISION ANALYSIS

Masanori MATSUDA*, Shoji MATSUMOTO

100412 (Academic): A DATA MODEL FOR THE INTEGRATED TRANSPORTATION SYSTEM

Thanh Hung NGUYEN, Hideto IKEDA, Lin ZIN, Nikolaos VOGIATZIS*

100474 (Academic): RESEARCH OF THE PERFORMANCE IMPROVEMENT IN TRAFFIC ACCIDENT DETECTING
SYSTEM WITHIN THE CROSS ROAD

Sungjun YOO*, Youngchan KIM, Dongyoung LEE, Won Ho KIM

100584 (Practical): ORGANIC TRANSPORTATION: IOT, GLOBAL STRATEGY - LOCAL TACTICS

Nikolaos VOGIATZIS*, Kun ZHANG, Michael A P TAYLOR

100615 (Practical): MORE EFFICIENT WINTER ROAD MANAGEMENT WITH ITS TECHNOLOGY

Hirai SETSUO*, Hatakenaka HIDE TO, Yamazaki ISAO

Meeting Room 9

Meeting Room 9: A (September 26th: 13:00-14:30)

[9A]Project Management

Chairperson: Kazuaki MIYAMOTO

100419 (Academic): WHERE IS THE STATE? THE CASE OF THE BOT PROJECT FOR TAIWAN'S HIGH-SPEED RAILROAD

Chien-Hung TUNG*

100208 (Academic): PROJECT RISK MANAGEMENT IN TRANSPORT PROJECTS IN VIETNAM

Anh Thuy TRINH*, Anh Tu TRINH, Hai Thanh TRAN, Quang Hung BUI

100387 (Academic): THE BUDGET ALLOCATION OF TRANSPORTATION CONSTRUCTION PROJECTS BY FUZZY MULTICRITERIA GRADE CLASSIFICATION MODEL

Junn-Yuan TENG, Ron-Chuen YEH, Maw-Cherng LIN*, Wen-Chih HUANG

100666 (Practical): IMPROVEMENT OF ROADWORK SCHEDULING USING THE CALENDAR SYSTEM TO RESTRICT PEAK TRAFFIC DAY WORK

Shuntaro KAWAHARA, Masahiro OOE*, Yutaka SUZUKI, Hidenori YODA

Meeting Room 9: B (September 24th: 14:50-16:20)

[9B]Public Management

Chairperson: Trinh Van CHINH

100644 (Practical): STRENGTHENING COORDINATION AND COOPERATION ON SUSTAINABLE URBAN TRANSPORTATION ACTIVITIES IN ASIA FOR CLEANER AIR AND REDUCED CLIMATE CHANGE IMPACT

Cornie HUIZENGA, Herbert FABIAN*, Aurora ABLES

100622 (Practical): CONCEPTS OF THE COLLABORATIVE INFRASTRUCTURE MANAGEMENT METHOD AND ITS APPLICATION IN HOKKAIDO

Akihiro IZUMI*, Daisuke SUNAGA, Tatsurou HAYASHI

Hiroyuki SENOU, Taira ENDOU, Hitoshi IEDA

100623 (Practical): IMPLEMENTATION OF COLLABORATIVE INFRASTRUCTURE MANAGEMENT-THE CASE OF THE WORKSHOPS IN SHIRETOKO,

Kiyoshi TAKAHASHI*, Kouji SANJHOU, Mitsutaka SAWA, Kiminori NAKAMURA, Mikiharu ARIMURA, Hitoshi IEDA

100626 (Practical): PERFORMANCE INDICATOR FOR TRANSPORTATION SECTOR A CASE STUDY ON INDONESIA TRANSPORTATION SYSTEM

Dail Umamil ASRI*

Meeting Room 9: C (September 24th: 16:40-18:10)

[9C]Public Involvement

Chairperson: Shintaro TERABE

100227 (Academic): EVALUATION OF ROAD PLANNING PROCESS: CASE STUDY OF YOKOHAMA NORTH-WEST CORRIDOR

Chunyan SHAN*, Tetsuo YAI, Takanori SAKAI

100480 (Academic): REQUIREMENTS FOR THE SUBSTANTIVE PUBLIC INVOLVEMENT IN TRANSPORTATION
INFRASTRUCTURE DEVELOPMENT: ANALYSIS OF CAUSES

Hiromitsu YAJIMA*, Atsushi SUZUKI, Sonoko ENDO

100501 (Academic): PLANNING THROUGH ASSISTED NEGOTIATION: CONSENSUS BUILDING FOR TRAFFIC
SAFETY

Masahiro MATSUURA*, Yamanaka HIDEO

100635 (Practical): MAKING PUBLIC INVOLVEMENT PART OF THE HIGHWAY PLANNING PROCESS IN KOREA

Erik Edward CEMPEL*, Young-In KWON, Taewan KIM, Ji-Hong PARK

Poster Session

Sep 25 13:00-14:30

- 10012 (Academic): EFFECT OF RETRO-REFLECTING PERFORMANCE FOR TRAFFIC SIGNS BY DRIVING VISIBILITY EVALUATION UNDER FOGGY CONDITIONS
Kazunori MUNEHIRO *, Roberto A. TOKUNAGA, Motoki ASANO, Toru HAGIWARA (* denotes the presenter)
- 10017 (Academic): THAILAND SAFE-FOLLOWING DISTANCES BASED ON SPEED-DENSITY RELATIONSHIP
Pichit JAMNONGPIPAKUL, Ponlathep LERTWORAWANICH*, Mongkol TAWECHAITOSAPOL
- 100098 (Academic): TIME-DEPENDENT DISCRETE NETWORK DESIGN PROBLEM
Liam O'BRIEN, Wai Yuen SZETO*, Margaret O'MAHONY
- 100117 (Academic): SAFETY DESIGN CONSIDERATION OF VEHICLE TO AVOID ACCIDENT
Swapan Kumar BAGUI*, Ambarish Ghosh GHOSH
- 100135 (Academic): DRIVING ENVIRONMENT COMPLEXITY OF MIXED TRAFFIC FLOW: ITS MEASUREMENT AND CHARACTERISTICS
Sheng-Hsiung CHANG*, Dong-Yang LEE
- 100170 (Academic): BEHAVIOR AND CONSCIOUSNESS ANALYSES ON EFFECT OF TRAFFIC SIGNALS INCLUDING COUNTDOWN DEVICE
Motohiro FUJITA, Koji SUZUKI*, Cihat YILMAZ
- 100179 (Academic): THE INVESTIGATION OF FREEWAY TOLL PLAZA TRAFFIC DELAY AFTER ETC IMPLEMENTATION WITH DRIVER OPTIMISTIC TRAFFIC SIMULATION MODEL
Che-Hung KUNG*, Kuo-Liang TING, Ta-Yin HU
- 100186 (Academic): ESTIMATION OF DAILY TRAFFIC FROM SHORT COUNTS USING ARTIFICIAL NEURAL NETWORK
Md. Saiful Alam SIDDIQUEE*, Md. Shamsul HOQUE, Hamid-Uz ZAMAN
- 100215 (Academic): A NEW PARTICLE SWARM ALGORITHM BASED COMPREHENSIVE LEARNING SYSTEM IN TRAFFIC SIGNAL COORDINATION
Huixian HUANG, Wen Long YUE*
- 100258 (Academic): THE DEVELOPMENT OF EVALUATION CRITERIA FOR DRIVER SERVICE QUALITY IN URBAN ROADWAYS
Soobeom LEE, Sooil LEE, Jangwook KIM, Juntae PARK*
- 100283 (Academic): A STUDY ON THE EFFECTS OF AGGRESSIVE DRIVING BEHAVIORS - USING DRIVING SIMULATOR
Chul Hyun PARK*, Young Ihn LEE
- 100286 (Academic): DEVELOPMENT OF ROAD SAFETY ESTIMATION METHOD BASED ON HUMAN ENGINEERING
Soobeom LEE, Jangwook KIM*, Sooil LEE, Wonkeun KIM
- 100289 (Academic): EXPLORING THE RELATED FACTORS THAT INFLUENCE THE COMPREHENSION AND RESPONSE WHILE READING DIRECTIONAL SIGN ON FREEWAY
Chia-Ming AI, Chun-Zin YANG*
- 100340 (Academic): TRAFFIC ACCIDENT ANALYSIS ON HIGHWAYS USING RISK INDICES
Seunglim KANG*, Seongkwan Mark LEE
- 100348 (Academic): PERFORMANCE EVALUATION OF HIGHWAY SEGMENTS USING TRAVEL TIME BASED

PERFORMANCE MEASURES

Babak MEHRAN*, Hideki NAKAMURA

100372 (Academic): THE INFLUENCE OF URBAN LAND USE ON PEDESTRIANS ACCIDENTS DURING CONGESTED AND UNCONGESTED PERIODS

Dewa Made Priyantha WEDAGAMA*, Roger BIRD, Dilum DISSANAYAKE

100426 (Academic): A STUDY ON PILOT SERVICE BEHAVIOUR IN KAOHSIUNG HARBOR AN APPLICATION OF PRINCIPLE COMPONENT ANALYSIS

Ming-Tao CHOU*, His-Ching CHEN, Chien-Chang CHOU, Hsuan-Shih LEE

100479 (Academic): CHAOS ANALYSIS OF MIXED TRAFFIC FLOW WITH MOTORCYCLE

Tien-Pen HSU, Pei-Jung LI*

100489 (Academic): PERFORMANCE EVALUATION OF DELINEATION SYSTEM USING DETECTION DISTANCE AND LATERAL PLACEMENT

Woo Hoon JEON, Hye-Jin CHO*

100542 (Practical): FINANCIAL ANALYSIS FOR PROVIDING ANTI GLARE SCREEN

Swapn Kumar BAGUI, Ambarish GHOSH

100571 (Practical): A STUDY ON HIGHWAY PROJECT PROCUREMENT THROUGH EVALUATION OF ALTERNATIVE PUBLIC-PRIVATE PARTNERSHIP APPROACHES

Aye Aye MAW, Fumihiko NAKAMURA*, Toshiyuki OKAMURA

100604 (Practical): ANALYSIS OF THE EFFECTS OF ACCELERATION LANE LENGTH AT MERGING SECTIONS BY USING MICRO-SIMULATIONS

Xingju WANG*, Toshihiko MIYAGI, Akiyoshi TAKAGI, Jiangqian YING

100606 (Practical): PARAMETER CALIBRATION AND VALIDATION OF PARAMICS FOR FREEWAY

Zhe LI*, Ming CAI, Zhaocheng HE, Ningning CHEN

100659 (Practical): EFFECTS OF SURFACE NANOCRYSTALLIZATION METHODS AND SURFACE STATES ON FATIGUE STRENGTH OF TA2

Ailing WEN, Shengwu WANG*, Ruiming REN, Junyong YANG

100662 (Practical): THE RESEARCH OF PROCESSING TECHNIQUE FOR DIE-PRESSING BASED ON FEA

Shengwu WANG*, Huairui ZHAO, Ailing WEN

Sep 25 14:50-16:20

100001 (Academic): A STUDY ON THE BENEFIT CAUSED BY THE IMPROVEMENT OF THE PUNCTUALITY OF THE LOCAL BUS SERVICE

Kazushi SANO*, Yumiko SUGA, Pairoj RAOTHANACHONKUN, Wisinee WISITJINDAWAT, Shoji MATSUMOTO

100044 (Academic): ANALYSIS OF EQUIVALENT ELASTIC MODULUS FOR TWO-LAYER ELASTIC SYSTEM UNDER RIGID BEARING PLATE

Xucan YU*, Chuanchao ZHENG

100064 (Academic): LOW TEMPERATURE CRACKING BEHAVIOR OF ASPHALT PAVEMENT WITH CRACKED BASE COURSE

Chuanchao ZHENG*, Yu CHEN

100066 (Academic): A NEW FORM OF GENERAL SOLUTION FOR ASPHALT PAVEMENT STRESS ANALYSIS

- Chuanchao ZHENG*, Ya WANG
- 100090 (Academic): APPLICATION PROCESS OF HYDRATED LIME TO RESIST MOISTURE DAMAGE AND RUTTING IN ASPHALT MIXTURE
Tebid Joshua ATUD, Kunnawee KANITPONG*, Wilfung MARTONO
- 100108 (Academic): URBAN PLANNING FOR LOCATION OF PEDESTRIAN BRIDGE IN HOCHIMINH CITY, VIETNAM
Manh Tien PHUNG*, Ba Dien TRAN CUONG
- 100128 (Academic): SYSTEM SIMULATION OF CAPACITY FOR CONTAINER TERMINAL BASED ON STOCHASTIC PETRI NET
Xiangqun SONG, Chen TANG, Zijian GUO*
- 100217 (Academic): EXTENDED DIAMOND INTERCHANGES WITH ROUNDABOUTS INCLUDING LOCAL ROADS FOR RURAL CROSSINGS
Hyoungsoo KIM*, Taehyung KIM, David LOVELL
- 100264 (Academic): CO2 REDUCTION EFFECT AND ECONOMIC EVALUATION OF ROAD TRANSPORT POLICY CONTRIBUTING TO PREVENTION OF GLOBAL WARMING
Hideaki SHIMADA*, Akio KONDO, Akiko KONDO, Qi CHENG
- 100269 (Academic): DEA-BASED MPI MEASURE OF OPERATING EFFICIENCIES: NEW INSIGHTS WITH AN APPLICATION TO CONTAINER PORTS
Boxin FU, Xiangqun SONG, Zijian GUO*
- 100314 (Academic): MODELING LEVEL OF SERVICE ON PEDESTRIAN ENVIRONMENT
T. H. HUANG*, Chen-Jr CHIUN
- 100388 (Academic): DEVELOPMENT OF CROSS SECTION DATA COLLECTION AND ANALYSIS METHOD
Dukgeun YUN*, Junggon SUNG
- 100391 (Academic): REPRODUCING THE HOURLY TRAFFIC DEMAND FLUCTUATION THROUGHOUT A YEAR FOR THE EVALUATION OF HIGHWAY CROSS-SECTION DESIGN Hideki NAKAMURA
Taisuke UTSUMI*, Masamitsu WATANABE
- 100420 (Academic): TRANSIT TRAVEL TIME FORECASTS FOR LOCATION-BASED QUERIES: IMPLEMENTATION AND EVALUATION
Shin Hyoung PARK*, Yeon Jeong JEONG, Tschangho John KIM
- 100433 (Academic): THE PRACTICAL WAYS OF THE SPACE UNDER OVER-PASS RAILWAY
Mi-Jeong JO*, Dong-Kyu OH, Yong-Gwan LEE, Sung-Mo RHEE
- 100473 (Academic): DETERMINATION OF TARGET BINDER CONTENT FOR RUBBERISED POROUS ASPHALT
Mohd Rasdan IBRAHIM, Herda Yati KATMAN*, Mohamed Rehan KARIM
- 100541 (Practical): ON THE STRATEGY FOR HARBOR'S SUSTAINABLE DEVELOPMENT
Yong HUANG*, Baohua MAO
- 100544 (Practical): SELECTION OF PANEL SIZE OF RIGID CONCRETE PAVEMENT FOR RURAL ROAD PROJECT
Swapan Kumar BAGUI*
- 100589 (Practical): DESIGN THERMAL GRADIENTS FOR STRADDLE TRACK GIRDERS
Tao ZHANG*
- 100590 (Practical): ENVIRONMENTAL MANAGEMENT PRACTICES AT TAIWANESE AIRPORTS

Cherie LU*, John BLACK

100608 (Practical): IATA OPERATION SAFETY AUDIT (IOSA)-A PRACTICAL TOOL FOR THE AIR TRANSPORT INDUSTRY

Jyh-Shyan CHOU, Yueh-Ling HSU, Chao-Che HSU*

100634 (Practical): A STUDY REGARDING HOW EXPERIMENTAL SCENARIOS AFFECT READING COMPREHENSION OF DIRECTIONAL SIGNS ON FREEWAY

Chiaming AI, Chunzin YANG*

100636 (Practical): EXPLORING THE EFFECTS OF EXPERIMENTAL READING SCENARIOS ON COMPREHENSION OF DIRECTIONAL SIGNS ON FREEWAYS BY MARKET SEGMENTATION

Chiaming AI, Chunzin YANG*

100639 (Practical): KRESNANTO THE DEVELOPMENT OF MULTIMODAL TRANSPORT AND LOGISTICS IN THAILAND: PLAN AND ACTIONS

Nindyo Cahyo KRESNANTO*, Ofyar Zainudin TAMIN

100653 (Practical): AN ANALYSIS ON THE INTER-INDUSTRIAL DIFFUSION STRUCTURE OF FOSSIL RESOURCE CONSUMPTION

Kazuaki OKUBO*, Hajime INAMURA, Tetsuya GOMI, Shigemi KAGAWA

Sep 25 16:40-18:10

100013 (Academic): FORECASTING AUTOMOBILE DEMAND TOWARD SUSTAINABILITY: A SIMULTANEOUS-EQUATIONS MODELS FOR TAIWAN

Chi-Chung WANG, Kevin P. HWANG*, Ya-Yun CHENG

100153 (Academic): MULTINOMIAL LOGIT MODEL OF MOTORCYCLE OWNERSHIP AND CAR OWNERSHIP IN TAIWAN

Tien-Pen HSU, Yu-Jui LIN*

100169 (Academic): A STUDY ON THE VALUE OF TRAVEL TIME FOR USERS OF TOLL ROADS USING MARKET SEGMENTATION IN KOREA

Lim YOUNGTAE*, Lee HUNKI, Ko YONGSEOK

100209 (Academic): A STUDY ON THE INFLUENCE OF NETWORK ATTRIBUTES ON THE ROUTE CHOICE BEHAVIOR

Sideney SCHREINER*, Tetsuro HYODO, Yoji TAKAHASHI

100224 (Academic): THE ALGORITHM FINDING OPTIMAL ROAD SECTIONS FOR THE INVESTMENT AGAINST DISASTERS UNDER THE BUDGET CONSTRAINT: A CASE OF ULSAN CITY IN SOUTH KOREA

Ki Han SONG*, Joo Hyun BAEK, Sung Bong CHUNG, Sung Mo RHEE, Sung Mo RHEE

100226 (Academic): SIMULATION ANALYSIS OF OPERATION CAPACITY AT COLD CHAIN HOME DELIVERY TERMINAL

Ying-Wei WANG*, Tzeu-Chen HAN, Huan-Chen KANG

100260 (Academic): CCFI FORECASTING BASED ON RBF NEURAL NETWORKS

Xiangqun SONG, Na LIU, Zijian GUO*

100268 (Academic): AN OPTIMIZATION MODEL FOR CONTAINER MARINE TRANSPORT NETWORK WITH IA APPROACH

Xiangqun SONG, Jun HUANG, Zijian GUO*

100280 (Academic): DESIGN OF OPTIMAL MARSHALLING YARD LOCATION MODEL CONSIDERING RAIL FREIGHT HUB NETWORK PROPERTIES

Jin Su LEE*, Dong Kyu KIM, Kyung Soo CHON

- 100297 (Academic): THE PERFORMANCE INDICES FOR SHIPPING ALLIANCE
Ming-Tao CHOU*, Hsuan-Shih LEE
- 100298 (Academic): INCORPORATING PSYCHOMETRIC ATTRIBUTES AND INERTIA EFFECT INTO STATED PREFERENCE MODEL
Chih-Wen YANG*
- 100313 (Academic): A MULTI-USER CLASSES EMERGENCY EVACUATION NETWORK RECONSTRUCTION MODEL FOR LARGE-SCALE NATURAL DISASTERS
Chung-Yung WANG*, Shou-Ren HU
- 100346 (Academic): ESTIMATION OF TRUCK ORIGIN-DESTINATION BASED ON COMMODITY FLOWS
Pairaj RAO THANACHONKUN*, Kazushi SANO, Shoji MATSUMOTO
- 100382 (Academic): COMPARATIVE ANALYSIS OF HOUSEHOLD CAR AND MOTORCYCLE OWNERSHIP CHARACTERISTICS
Tien-Pen HSU, Cha-Cha TSAI*, Yu-Jui LIN
- 100452 (Academic): A CASE STUDY ON THE ELECTRONIC TOLL COLLECTION (ETC) SYSTEM IN THE KLANG VALLEY
Mohd Rasdan IBRAHIM, Mohamed Rehan KARIM*, Nadiyah HUSAIN, Herda Yati KATMAN
- 100461 (Academic): BENEFIT EVALUATION OF ROAD REHABILITATION AT 9 PROVINCES IN INDONESIA
Tonny JUDIANTONO*, Ofyar Z TAMIN
- 100485 (Academic): APPLICATION OF PROSPECT THEORY TO DISCRETE CHOICE MODELLING FOR UNCERTAIN TRAFFIC INFORMATION
Hye-Jin CHO*, Kang-Soo KIM
- 100492 (Academic): MODELING THE WORKING MODE CHOICE, OWNERSHIP AND USAGE OF CAR AND MOTORCYCLE IN TAIWAN
Wen-Tai LAI*, Jin-Long LU
- 100502 (Academic): REDUCED VISIBILITY AND SPEEDS VARIATION IN NATIONAL HIGHWAYS
Hye-Jin CHO*, Eunmi PARK
- 100543 (Practical): FINANCIAL ANALYSIS FOR SELECTION OF FUTURE WIDENING SCHEME TO AVOID GLARE
Swapn Kumar BAGUI*, Ambarish GHOSH
- 100563 (Practical): THE SUBCONTRACTOR SELECTION OF THE INTERNATIONAL MULTI-MODAL TRANSPORT OPERATOR
Jiaqing SUN*, Zhihong JIN, Pinghua REN, Xin ZHAO
- 100567 (Practical): COMPARATIVE RESEARCH AND REVELATION ON DOMESTIC AIR FARE BETWEEN CHINA AND FOREIGN COUNTRIES
Xiao-Jin LI*, Jing-Hong LI, Bin WANG, Yan-Juan ZHAI
- 100599 (Practical): ANALYSIS AND DEVELOPMENT FORECAST OF CHINA, JAPAN, SOUTH KOREA LOGISTICS COOPERATION
Fanhui XING*, Jun SUN, Zan YANG, Guosong CHANG
- 100619 (Practical): TRIP GENERATION MODEL FROM SHOPPING CENTER
Tonny JUDIANTONO*, Ofyar Z TAMIN
- 100642 (Practical): ASSESSING THE COSTS OF THE PEDESTRIANIZATION OF AVENIDA IN THE CITY OF MANILA
Konstantine C. KOH*, Hussein S. LIDASAN, Crispin E. DIAZ

Technical Tours

Technical tours to some transportation related sites in Dalian have been arranged for delegates to provide you with an opportunity to see how the transportation systems, especially the transit and port systems, have been developing in Dalian.

Delegates may choose to visit one of the three different sites for the technical programs which will take place on Thursday, September 27, 2007. The number of participants per visit is strictly limited. The organizers reserve the right to cancel any visit to a technical program if the number of participants is 20 or less. Reservations will be made on a 'first come, first served' basis. Please fill in the corresponding section of the Registration Form. Participants are required to reconfirm their reservations at the Technical Tours Counter located onsite before Wednesday, September 26, 2007.

1) LRT and Tram System

Duration of Visit: Three hours

Departure: 8.45 a.m.

Meeting place: at the lobby of the venue.

The first tram line in the north-east area of China was constructed in Dalian. It opened on September 9th, 1909, and it was about 2.45 km in length. Since 1950, tram lines in the busy streets of Dalian have gradually been removed except for three operating trams which symbolize our historical beginnings. Riding them does not only get you to your destination, but gives you a sightseeing experience of the living and cultural moods of Dalian. A few years ago, Dalian realized that a rail system was necessary to handle the urban population growth and industry development so rail lines were actively constructed. As the result, in May of 2003, Dalian opened a 45 km long LRT line to connect the old city with the new city. More recently, in 2005, an extension has been started to extend this LRT line.

For your trip, a bus will drive you to Donghai Park Station, and there you will board the tram line and ride to the Railway Station. Here you will change to the Light Rail Transit (LRT) system and ride the LRT to the resort area called Jinshi Beach. Our buses will pick you up at the Jinshi Beach LRT Station and drive you back.

2) New Port Area

Duration of Visit: Three hours

Departure: 08.45 a.m.

Meeting place: at the lobby of the venue.

Dalian Port has a history of over one hundred years. It is a large and busy sea port. For example, in 2006, the throughput of import and export goods was 2 hundred million tons. Before the production berths of the Dalian port were located in the center of Dalian City. The development of the port played a significant role in encouraging and promoting the development of the city. With the growth of the port, Dalian as city grew too. It could be said that the port and the city encouraged and complemented each other and this promoted mutual growth and development. However, recently, with the rapid growth of the economy and the population, it is very difficult for the port to obtain more land for expansion. Moreover, transport demand generated by the port worsened the service level of urban road network. In order to offer port a large amount of needed land and solve urban transportation problem in some extent, Dalian government decided to move the main production function of Dalian port out of city center. At present, a new group of ports have been constructed at the new urban area which is about 25 km far from the center of the City.

On your trip, you will take the shuttle bus to visit the Dalian Port Authority and see the old port. You will also be able to see the land re-development of the old port area. The staff of our Dalian Port Authority will tell you about the progress and layout of the new port. Then you will take a shuttle bus which will take you to the new port area. There you will see the newly-built port which includes a crude oil dock, container terminals and automobile terminals. When this part of the tour is over, you will take the LRT line from the new development zone back to Dalian Railway Station.

3) Dalian Locomotive Manufacturer and BRT Construction Site

Duration of Visit: Four hours

Departure: 08.30 a.m.

Meeting place: at the lobby of the venue.

Dalian Locomotive Manufacturer, a State-level Size Enterprise, was established in 1899. It manufactures the different series of internal combustion locomotives, electric power locomotives, urban rail vehicles, railcars, diesel engines and various locomotive parts and fittings. It has the annual capacity of producing 500 locomotives, 150 urban rail vehicles, 2000 railcars and repairing 1000 internal combustion locomotives.

This manufacturer has a history of more than 20 years of sustaining technical cooperation with advanced enterprises, such as Ricardo (Britain), General Electric (USA), Siemens (German) and the Southwest Research Institute (USA). In 2002, it signed a joint venture contract with TOSHIBA Co. Ltd. to establish “Dalian-TOSHIBA Locomotive & Wiring Ltd”. Now that it has strengthened its technical cooperation with TOSHIBA, it will develop and manufacture AC drive freight locomotives capable of speeds to 120 km/h which are urgently needed in China.

In 2006, the Dalian government planned the Bus Rapid Transit network and decided to build No.1 route in 2007. This route has 12 stops and covers a length of 14 kilometers and the projected investment is about 300 million RMB. It starts at Xinggong Street, passing Dalian Locomotive Manufacturer, Chunliu, Liujiqiao, Zhoushuizi, ..., and ends at Zhangqian Road in Paoai which is a large-scale residential area. The new BRT route serves the traffic demands of citizens in Paoai residential area and of the citizens living along Huabei Road. After visiting the Dalian Locomotive Manufacturer, you will visit some site along the route, such as Xinggong Street stop, Zhangqian Road Stop, Zhoushuiqian Stop and Youyi Street Overpass Bridge so you can see the construction sites along the BRT No.1 Route.

Daily Sightseeing Program

A tourism desk will be set at the lobby of the venue and the followings are some typical tours. Some other tours can also be offered. You can get more information in the tourism desk.

1) Two day tour to Bing Yu Valley

It takes three-hours by bus to travel from Dalian to Bing Yu Valley. After lunch, you will enjoy seeing the beautiful scenery of Cloud and Water Ferry, Saint Ferry, Lovers Island, Guest-greeting Pine, Pillar Rock in Midstream, Lover's Stone, Double Stone Collection, Buddha's Hand Stone, and Lucky Stone sculpture. Further, we will also enjoy some scenery by boat such as Ying Na Lake, Guilin in South Liaoning, beauty stone, single-leaf stone, Worship Mountain, Ethic Culture park, Amusement Park, Holy-water Temple, etc.



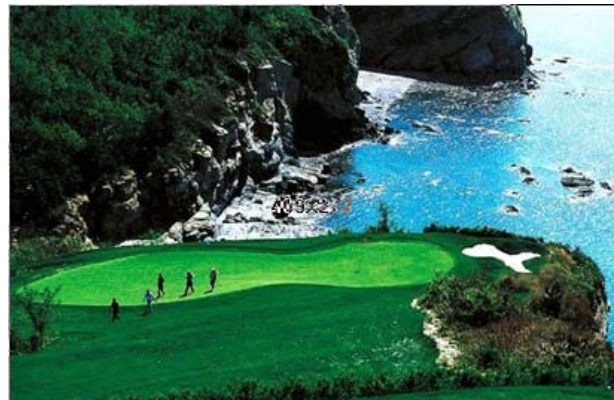
2) One day tour in Dalian-Lushun (only for domestic delegates)

You will take a bus to Lushun, which has a museum showing some of the artifacts of wars in more modern times. Our guide will introduce the scenery along the way. Upon arrival, you will enjoy Bai Yu Mountain, from which you can see the whole Lushun tiger-tail like island and the Bai Yu tower. You will see the landing place where Japan invaded us during the war. You will tour Lushun harbor and visit the Lushun war museum. After you finish visiting these places, you will be driven back to Dalian and you will be given a tour of some of the interesting places in Dalian City. You will see the: Xinghai Square, ornamental columns, Century Curve, Binhai Road, Sino-Japanese Bridge, Swallow Nest mountain peak, Curve of Tiger Group of Islands, Wooden Club Island, Harbor Square, Friendship Square, Zhongshan Square and Peoples Square.



3) One day tour in Dalian and Golden Pebble Beach

You will visit a National 4A level Scenic Area - Golden Pebble Beach. You will enjoy seeing an area of strange stones, golf grounds and a hunting place. You will see natural and artificial landscapes such as a portrait of Beethoven, some dinosaurs on a cliff, the sea, a flying rock, a sea turtle searching for children, a rose garden, and a stone monkey watching the sea. After viewing these, you will take a tour of the City of Dalian. You will see the: People's Square, Zhongshan Square, Friendship Square, Wooden Club Island, Binhai Road, Tigers Curve, Sino-Japanese Bridge, Swallow Nest mountain peak, Xinghai Square, Century Curve and ornamental columns.



General Information

Badges

All participants, delegates, accompanying persons, exhibitors, visitors and VIP/Committee members are kindly requested to wear their name badges during all conference events. Admission to the conference sessions is restricted to delegates and VIP/Committee members only.

Internet Service

A room (Room 306) equipped with four computers, which can access internet, is arranged for the delegates to use the internet without charge.

Connecting Test Room

Room 209 is for connecting test with LCD projector and screen.

Conference Language

All presentations will be delivered in English.

Coffee & Tea

During the conference, coffee and tea will be served free of charge to delegates and VIP/Committee members wearing their name badges. Coffee and Tea will be served in second and third floors.

Exhibition Hours

24-26 all days

Information Desk

EASTS 2007 information desk is located at the lobby of the venue. Also there is information desk in the airport 22-24 Sept.

First Aid

First Aid is available at the lobby of the venue, 24-26 Sept. 07:30-18:30.

Organizers Office

EASTS 2007 Organizers Room is located inside the Organizers' Office at Room 211.

Lost and Found

For lost and found objects, please approach the Organizers inside the Organizers' Office at Room 211.

Poster Session

The site of poster session is located at the second floor of the venue. The size of post paper should be 1240 mm (high) × 800mm(wide).

Temperature of Dalian

Generally, the temperature of Dalian in September 23-27 is between 16- 24℃.

Registration Desk

The registration desk is located at the lobby of the venue and also in the airport. The registration desk in the airport is opened from 9:00-17:00, 22&23 Sept. The registration desk at the congress venue will be open as follows:

22&23 Sept.	14:00-17:00	Delegates, Accompanying Person, VIP/Committee Registration
24 Sept.	07:00-08:30	Delegates, Accompanying Person, VIP/Committee member and Press Registration
		Note: The registration counters will be closed from 08:30-12:00 during the Opening Ceremony
	12:00-17:00	Delegates, Accompanying Person, VIP/Committee member and Press Registration
25&26 Sept.	07:30-15:30	Delegates, Accompanying Person, VIP/Committee member and Press Registration

Tour Desk

You may get tour information offered by the Tours Desks, located at the lobby of the venue.

Technical Tours Desk

Participants are required to reconfirm their reservations at the Technical Tours Counter located at the lobby of the venue before Wednesday, September 26, 2007. The number of participants per visit is strictly limited. The organizers reserve the right to cancel any visit to a technical program if the number of participants is 20 or less. Reservations will be made on a 'first come, first served' basis. Please fill in the corresponding section of the Registration Form.

Access and Hotel Map



General Information

Transportation

To Dalian

There are four major access points that the delegates can take to come to Dalian. They are the Dalian International Airport, the Dalian railway station, the Dalian port and the Shen-Da expressway.

The airport is located within the city and is about 14km to the Venue and about 11km to downtown. Both the railway station and port are located in the downtown area.

When you arrive at the airport, you can find our staff at an information desk. Our staff will guide you to a taxi or bus which will take you to your hotels or to the venue. Generally, in the day time it will cost you about 3.5 US Dollars to go to the venue or to the downtown area by taxi. There are limousines available at the airport that go to the downtown area and to some of the main hotels. There are no shuttle buses or city buses from the airport to the venue or to downtown area.

Within Dalian

Travel within the city is easy and travelers are offered several options. They may take metered taxis or numbered buses (including trams). Taxi fares in Dalian are very cheap and provide a good service.

Most taxi trips within the city will cost less than 4 USD. There are two tram lines in the city and one of the tram lines passes in front of the venue (DMU) and there is a tram station within walking distance of DMU. Shuttle buses have been arranged between the hotels and the venues during the morning and evening hours.

Map of Congress Venue and DMU

Map of Dalian Maritime University (DMU)



Map of Congress Venue

