

**THE 3RD INTERNATIONAL  
CONFERENCE ON  
TRANSPORTATION AND LOGISTICS  
(T-LOG 2010)**

**PROGRAM**



September 6-8, 2010  
Nishijin Plaza, Kyushu University, Fukuoka, Japan

# Schedule at a Glance

## Day 1

September 6 (Mon.)

8:00	Registration		
9:00	Plenary Session (1) Opening Address (Prof. Sumi, Prof. Fwa, Prof. Miao, Mr. Ikeda) Keynote Lecture (1) Prof. Dr. Takeshi CHISHAKI (Kyusyu University) (2) Dr. Hong-Seung ROH (Korean Transport Institute)		
10:15	coffee break		
10:30	Plenary Session (2) Panel Discussion "Logistics strategy in the era of global environment" Coordinator: Prof. Eiichi Taniguchi (Kyoto University) Panelist: Dr. Sumalee SUKDANONT, Prof. Zhongzhen YANG, Prof. Ming-Jong YAO		
12:00	Lunch		
13:00	Parallel Session (1A)	Parallel Session (1B)	/
14:30	coffee break		
14:50	Parallel Session (2A)	Parallel Session (2B)	
15:30			
16:20	coffee break		
16:40	Parallel Session (3A)	Parallel Session (3B)	
17:00			
18:10			
18:15	Welcome Party		
19:30			

## Day 2

September 7 (Tue.)

8:30	Registration		
9:00	Parallel Session (4A)	Parallel Session (4B)	/
9:45			
10:30	coffee break		
10:50	Parallel Session (5A)	Parallel Session (5B)	
11:15			
12:30	Lunch		
13:20	Parallel Session (6A)	Parallel Session (6B)	
14:50	coffee break		
15:05	Parallel Session (7A)	Parallel Session (7B)	
16:45	coffee break		
17:00	Parallel Session (8A)	Parallel Session (8B)	
18:40			

## Day 3

September 8 (Wed.)

8:30	Site Visiting Tour
12:00	

## Detail Session Schedule

### Day 1: September 6 (Monday)

#### Plenary Session (MC: Prof. Mikio TAKEBAYASHI)

##### 9:00-9:15 Opening Address

Prof. Tomonori SUMI (Kyusyu University), Prof. Tien Fang FWA (National University of Singapore)  
Prof. Lixin MIAO (Tsinghua University), Mr. Kaoru IKEDA (Fukuoka City)

##### 9:15-9:45 Keynote Lecture (1) Prof. Dr. Takeshi CHISHAKI (Kyusyu University, Japan)

“Toward the further development of regional logistics and city logistics”

##### 9:45-10:15 Keynote Lecture (2) Dr. Hong-Seung ROH (Korean Transport Institute, Korea)

“The Intermodalism and beyond - Toward Barrier-Free Transport & Logistics”

##### 10:30-12:00 Panel Discussion “Logistics strategy in the era of global environment”

Coordinator: Prof. Eiichi TANIGUCHI (Kyoto University)

Panelist: Dr. Sumalee SUK DANONT (Chulalongkorn University, Thailand)

Prof. Zhongzhen YANG (Dalian Maritime University, China)

Prof. Ming-Jong YAO (National Chiao Tung University, Taiwan)

### Parallel Sessions

Time	No.	Authors	Nation	Paper Title
13:00-14:30	<b>1A: Logistics Policies &amp; Statistics I (Chair: Shinya HANAOKA)</b>			
	P9	Takashi YAKUWA, Tsutomu SUDO, Takahiro SIGENO,	Japan	A Study of East Asian Transport Statistics Data Standardization and Commoditizing
	P2	So UMEZAKI	Indonesia	Transport Sector Cooperation in ASEAN: ASEAN Strategic Transport Plan (ASTP) 2011-2015
	P1	T. F. FWA, P. Q. BEH	Singapore	Performance of Major Ports in Europe and Implications for Ports Development in East Asia
	P11	Kazuhito HACHIYA, Sumio SUZUKI, Tatsuyuki SHISHIDO, Hiroshi MORI, Masahiro YOSHIMI, Takeshi KOKADO	Japan	Capacity and Performance Assessment of ASEAN Maritime Network Ports
	A99	Yiping LE, Hitoshi IEDA	Japan	An Analysis on Institutional Impacts on the Concentration of Container Port Systems: Cases of Japan, China and Korea
	<b>1B: City Logistics &amp; Vehicle Routing I (Chair: Tadashi YAMADA)</b>			
	A22	Sutanto SOEHODHO, Gatot F. HERTONO, Nahry YUSUF	Indonesia	The Use of Network Representation in Freight Distribution Model
	A85	Muhammad Isran RAMLI, Yoshinao OEDA, Tomonori SUMI	Japan	Study on Mode Choice Model of Trip for Daily Household Logistic based on Binomial Logit Model
	A11	Zhiyuan LIU, Qiang MENG	Singapore	A Reformulation of Truck and Trailer Routing Problem
	A66	Loo Hay LEE, Ek Peng CHEW, Yongshi Diana YU, Zhuo SUN	Singapore	Integrated Vehicle and Trailer Dispatching Algorithms

## Day 1: September 6 (Monday)

### Parallel Sessions

Time	No.	Authors	Nation	Paper Title
14:50-16:20	<b>2A: Logistics Policies &amp; Statistics II (Chair: Hong-Seung ROH)</b>			
	A57	Ghim Ping ONG	Singapore	Multimodal Freight Transportation Infrastructures in the United States: Trends, Adequacy and Future Challenges
	A52	Mariner WANG	Japan	The Rise of Container Tonnage and Port Developments in East Asia
	A7	Yasuhiro AKAKURA	Japan	Analysis for Facilitating the Efficient Use of Official Port Cargo Statistics - Case Study in Myanmar Port Cargo Statistics
	P8	Satoshi HATANAKA	Japan	Overview of Import/Export Container Cargo Movement Survey in Japan
	<b>2B: City Logistics &amp; Vehicle Routing II (Chair: Mingyao QI)</b>			
	A89	Yasukatsu HAGINO, Tetsuro HYODO, Kotaro ENDO, Ryuta NISHI	Japan	Truck Route Choice Analysis by Traffic Application Data
	P29	Antal van KOLCK, Eiichi TANIGUCHI, Ron van DUIN	Netherlands	Multi-agent Model for a Dynamic Urban Distribution Center
	A50	Hung-Jie WANG, Ching-Jung TING, Chia-Ho CHEN	Taiwan	A Threshold Accepting Algorithm for Solving Uncapacitated Single Allocation Hub Location Problem
A9	Byung Ho JUNG, Ikki KIM	Korea	Study in Location Decision of Transfer Center for Transporting Military Materials in Wartime	
16:40-18:10	<b>3A: Cross-Border Transport and Landlocked Countries (Chair: Ryuichi SHIBASAKI)</b>			
	A44	Takafumi IWATA, Hironori KATO, Ryuichi SHIBASAKI	Japan	Impact of International Transportation Infrastructure Development on a Landlocked Country: Case Study in the Greater Mekong Subregion
	P4	Atsushi SAITO	Japan	The Comprehensive Study on Logistics System in Lao PDR
	P6	Yasuo KANNAMI	Japan	Pilot Demonstration Project to Promote Trade Facilitation in the GMS Southern Economic Corridor
	A117	Sumalee SUK DANONT	Thailand	Cross-border Trade and Transport between Thailand and Laos People's Democratic Republic along the Mekong River
	P19	Satoru KUMAGAI, Toshitaka GOKAN, Ikumo ISONO, Souknilanh KEOLA, Kazunobu HAYAKAWA	Thailand	Geographical Simulation Analysis for Logistic Enhancement in East Asia
	<b>3B: City Logistics &amp; Vehicle Routing III (Chair: Loo Hay LEE)</b>			
	A101	Chih-Peng CHU, Pei-Ying LEE, Shu Hwa WU	Taiwan	An Application of City Logistics - Multiple-Trip Fleet Size and Mixed Vehicle Routing Problem in a Distribution System
	A68	Ali Gul QURESHI, Eiichi TANIGUCHI, Tadashi YAMADA	Japan	An Analysis of VRPTW Exact solutions based on Realistic Logistics Instances
	A112	Chih-peng CHU, Ching-yi CHU, Tzu-ying CHENG	Taiwan	Time Dependent Vehicle Routing Problems with Time Window and Split Delivery in City Logistics
A83	Mingyao QI, Nan LI, Jinjin ZHANG, Lixin MIAO	China	A Variable Neighborhood Search Heuristic for Large Scale Real-time Time-dependent Vehicle Routing Problem with Time Windows	

## Day 1: September 6 (Monday)

### Poster Session

Time	No.	Authors	Nation	Paper Title
15:30-17:00	<b>Poster Session I (12)</b>			
	A37	Tien-Cheng HSU, Ming-Jong YAO	Taiwan	An Effective Algorithm on Solving Serial-Type Multi-Stage Production Supply Chain Systems with Geometric Series Batch Size Shipment Policies
	A35	Ming-Jong YAO, Jia-Yen HUANG, Bai-Sheng CHEN, Ya-Ting CHANG	Taiwan	An Activity Based Costing-based Freight Adjustment Model for Third Party Logistic Providers Facing Floating Oil Prices -- A Case Study of a Taiwanese Logistics Company
	P14	Juha HINTSA, Vladlen TSIKOLENKO, Toni MÄNNISTÖ	Switzerland	Supply Chain Security Research in Europe: Two Research Projects Funded by the Framework Program 7
	P15	Juha HINTSA, Vladlen TSIKOLENKO, Juha AHOKAS, Toni MÄNNISTÖ, Jukka SAHKSTEDT	Switzerland	Feasibility Study on Supply Chain Operator Needs for a European Standard in Supply Chain Security (SCS)
	P27	JongHak KIM, HoJeung KIM	Korea	Promotion of Green Transport Mode and Effect of Air Pollution Reduction
	A100	Kyung-woo KANG, Woo-kag KOOK, Boosun CHOI	Korea	CO2 Emission Analysis for Transportation Policy Effect in Carbon-Neutral City
	P25	Hwa-Joong KIM, Jun-Gyu KANG, Paul T-W LEE, Koichiro TEZUKA	Korea	Analysis of Effects of Environmental Costs of International Container Cargo Flows on Intermodal Transport Routes
	A92	Kazuhiko ISHIGURO	Japan	The Impact of Increase in Containership Size on the Asia-Europe-North America Trade
	P18	Kei ISHIHARA, Mikio TAKEBAYASHI	Japan	Shippers' Behavior of Port Choice in the Intra-Asia Short Sea Container Transport Markets
	A43	Ken ARAMAKI, Ryuichi SHIBASAKI, Sumie KATO	Japan	Factors of choosing port to call for shipping companies based on Analytic Hierarchical Process
A14	Emrah BULUT, Okan DULU, Shigeru YOSHIDA	Japan	Management Strategy for Shipping Company: Multi-Attribute Decision Making Process in the Management Outsourcing	
P23	Joewono SOEMARDJITO, Kuncoro Harto WIDODO, Iwan PUJARIYADI, Imam MUTHOHAR, Pujo SAROYO	Indonesia	The Warehouse Optimising of Cement Distribution through Railway	

## Day 2: September 7 (Tuesday)

### Parallel Sessions

Time	No.	Authors	Nation	Paper Title
9:00-10:30	<b>4A: Intermodal, Rail, &amp; Hinterland Transport I (Chair: Hironori KATO)</b>			
	A2	Yong Sang LEE, Byung Hyun CHUNG	Korea	A Case Study on the Feasibility of a Trans-Continental Railroad - Focused on the Case of Samsung Electronics Company in Shanghai -
	P20	Shun CHOKKI, Hisafumi KOKUBUGATA, Shuichi MATSUMOTO, Hironao KAWASHIMA	Japan	A Fundamental Study on A Heuristic Solution to Multi-Modal Freight Transportation - in the Network in Vietnam
	P24	Kim HASSALL	Australia	Bi-Modal Terminals and Mid-Corridor Connect Intermodal Solutions – A New Leap in Freight Productivity
	A53	Philip LAIRD	Australia	Australian Rail Freight Productivity
	<b>4B: Mega and Large Containership (Chair: Kazuhiko ISHIGURO)</b>			
	A59	Fan ZHANG, Etsuko NISHIMURA, Yukiko YAMAKAWA, Akio IMAI	Japan	The Berth Allocation Problem for a New Container Terminal Design
	A64	Etsuko NISHIMURA, Junya SUNAGAWA	Japan	Container Storage Problem at Terminals where the Mega-containership Calls with Multiple Quay Cranes Assigned to a Feeder Ship
	A33	Chaur-Luh TSAI	Taiwan	The Influences of Ultra-Large Container Ship in Maritime Logistics
	A65	Ryuichi SHIBASAKI, Tomihiro WATANABE	Japan	How International Cargo Flow will Change by Expansion of Panama Canal? -An Approach using the World Model for International Cargo Simulation
10:50-12:30	<b>5A: Intermodal, Rail, &amp; Hinterland Transport II (Chair: Kim HASSALL)</b>			
	P26	Imam MUTHOHAR, Lilik Wachid Budi SUSILO, Heru SUTOMO, Tomonori SUMI	Japan	Travel Pattern Analysis of Freight Transport in Java Island
	A84	Clive MOTTRAM	Australia	An Alternative Approach to Transport Corridor Planning in Melbourne, Australia
	A49	Zhongzhen YANG, Jing WANG	China	The Analysis of Coupling Degree between Container Shipping Line Density and Transport Demand in the Hinterland
	A62	Hiroataka SEKIYA, Katsumi UESAKA, Shunsuke MATSUMOTO, Makoto FURUKAWA	Japan	Transport Characteristics and Road Structure Factors Influencing Container Truck Route Selection
	P22	Kenjiro HIROSE	Japan	Present Status and Action for International Physical Distribution Road Network in Kyushu Region
	<b>5B: Terminal Operation &amp; Maritime Shipping Market (Chair: Etsuko NISHIMURA)</b>			
	A29	Dong-Won JANG, Sang Hyuk YI, Kwang Ryel RYU, Kap Hwan KIM	Korea	Shuttle Operations of Containers between Vessels on a Sea and a Port on Seashore
	A67	Ek Peng CHEW, Loo Hay LEE, Hock Choon Jonathan ONG, Yuan WANG	Singapore	Real Time Dispatching Strategies for Container Terminals
	A81	Loo Hay LEE, Xinjia JIANG, Ek Peng CHEW, Yongbin HAN, Kok Choon TAN	Singapore	A Dynamic Yard Template Approach to Container Storage Management in a Transshipment Hub
A12	Okan DURU, Shigeru YOSHIDA	Japan	Seasonality Patterns in Dry Cargo Vessel Traffic of the Strait of Istanbul and Interactions with Freight Rates	
A13	Emrah BULUT, Okan DURU, Shigeru YOSHIDA	Japan	Chartering Strategy Selection in the Dry Bulk Shipping Assets: Spot vs. Period Trading	

## Day 2: September 7 (Tuesday)

### Parallel Sessions

Time	No.	Authors	Nation	Paper Title
13:20-14:50	<b>6A: Environmental Issues (Chair: Qingqing XU)</b>			
	P3	Madan B. REGMI, Shinya HANAOKA	Japan	A Framework to Evaluate Carbon Emissions from Freight Transport and Policies to Reduce CO2 Emissions through Mode Shift in Asia
	P10	Hiromi KADO, Katsuya ODA	Japan	Current Status and New Effort for Reduction of GHG Emission in Port and its Surroundings
	A60	Mikio TAKEBAYASHI	Japan	The Cost of Environmental Pollution and Change of Network Design
	P21	Jirapat PHORNPRAPHA, Atsushi FUKUDA, Mikiharu ARIMURA	Japan	Reverse Logistics Network Allocation for Second Hand/End-of-Life Motorcycles Collection in Thailand
	<b>6B: Air Transport (Chair: Kuancheng HUANG)</b>			
	A54	Daisuke WATANABE, Takahiro MAJIMA, Keiki TAKADAMA, Mitujiro KATUHARA	Japan	Analysis of Air Cargo Hub Location in East Asia
	P17	Tetsuya TAKIMOTO	Japan	Global Cold Chain Management of Air Cargo
	P16	Masahiko TAKEI, Nobuhiko HAMAGUCHI	Japan	Problems on for Airlines Distribution in Kyushu and Correspondence in the Comprehensive Study of Fukuoka Airport (Public Involvement)
	A48	Kuancheng HUANG, Jing-Yao WU	Taiwan	A Modified Ant System Algorithm for the Aircraft Landing Problem
15:05-16:45	<b>7A: ITS &amp; Supply Chain Management (Chair: Sompong SIRISOPONSILP)</b>			
	A96	Dai TAMAGAWA, Takayoshi YOKOTA	Japan	An Evaluation of Urban Road Network from a Viewpoint of Logistics by Using Probe Car Systems -A Case Study of the Keihanshin Area in Japan
	A102	Gang-Dae LEE, Oh-Keun HA, Dong-Joo PARK, Yong-Hun JO	Korea	Relation Model Describing the Effects of Introducing RFID in the Supply Chain: Evidence from the Food and Beverage Industry in Korea
	A74	Tengyue CUI, Lixin MIAO, Qingqing XU	China	Comparative Analysis of Informational Coordination Efficiency for Three Typical Supply Chain Coordination Structures with Entropy Theory
	A93	Seiki YUKIMOTO, Haruo HORAGUCHI, Ruixue LI	Japan	Creating New Parts Procurement Strategy by Japanese Automobile Manufactures: Development Process of Milk-run and Cross-dock for JIT Production System
	P12	Yasutaka OHBA, Masato KOYAMA	Japan	Investigation of Livestock Industry and Feed Grain Import in the Kyusyu Region
	<b>7B: Trade &amp; Cargo Forecasting and Modelling I (Chair: Koichiro TEZUKA)</b>			
	A27	Tsung-Chen LEE, Chia-Hsuan WU, Paul T-W LEE	Taiwan	Impacts of the ECFA on Seaborne Trade Volume and Policy Development for Shipping and Port Industry in Taiwan
	A91	Ryuichi SHIBASAKI, Tomihiro WATANABE, Hitoshi ONODERA	Japan	Forecasting Future Amount of Trade and Maritime Container Cargo Based on International Economic Scenario
	A94	Hiroyuki KOSAKA	Japan	Estimation of Container Freight Flows in North East Asia
A23	Jingci XIE	China	A System Dynamics Model for the Development of Qingdao Port Logistics	
A46	Yoshihisa TATENO	Japan	New Method of Forecasting Container Throughput	

## Day 2: September 7 (Tuesday)

### Parallel Sessions

Time	No.	Authors	Nation	Paper Title
17:00-18:40	<b>8A: Risk Assessment &amp; Management (Chair: Qiang MENG)</b>			
	A18	Andre DANTAS, Frederico FERREIRA	New Zealand	Prioritisation and Deployment of Physical and Human Resources During Disasters
	A103	Juha HINTSA, Toni MANNISTO, Ari-Pekka HAMERI, Matthias FINGER, Christopher THIBEDEAU, Jukka SAHLSTEDT, Vladlen TSIKOLENKO	Switzerland	Customs Risk Management (CRiM): A Survey with 24 Customs Administrations
	A106	Juha HINTSA, Ari-Pekka HAMERI, Toni MANNISTO, Ana-Minodora LAZARESCU, Juha AHOKAS, Jan HOLMSTROM	Switzerland	Conceptual Model for Measuring Benefits of Security in Global Supply Chains
	A45	Yukihiro OGAWA, Hironori KATO, Ryuichi SHIBASAKI	Japan	Blockade Risk of the Straits of Malacca and Singapore: Scenario Analysis with International Cargo Flow Simulation
	A51	Muhammad Marizwan ABDUL MANAN, Alvin Poi WAI HOONG	Malaysia	Safety Evaluation of Temporary Express Bus Terminal at Bukit Jalil National Stadium during 'Eid 'Ul Fitr' 2008
	<b>8B: Trade &amp; Cargo Forecasting and Modelling II (Chair: Manoj LOHATEPANONT)</b>			
	A24	Gusri YALDI, Michael A P TAYLOR, Wen Long YUE	Australia	A Robust Neural Network Approach for Commodity Flow Distribution Modelling Tool
	A98	Manoj LOHATEPANONT, Kajarin TOERAKTAKUL	Thailand	Container Liner's Revenue Management System: Key-Path Based Container Slot Allocation Model
	A97	Manoj LOHATEPANONT, Viroon KONGSERMSUP	Thailand	Ship Routing and Scheduling with Time Windows and Port Congestion Model
	A113	Kosuke YASUFUKU, Mikio TAKEBAYASHI	Japan	Measuring the Benefit of Choke Point for International Seaborne Cargo Transport Markets by Network Analyzing Method
A6	Koichi SHINTANI, Rob KONINGS	Japan	The Impact of Foldable Containers on Container Fleet Management Costs in Liner Shipping Networks	



## Day 2: September 7 (Tuesday)

### Poster Session

Time	No.	Authors	Nation	Paper Title
9:45-11:15	<b>Poster Session II (13)</b>			
	A116	Yoshihiro KAMEYAMA, Kazuhiko ISHIGURO	Japan	Effects of Transport Infrastructure Improvement on the International and Domestic Freight Flow in Japan
	P5	Baasankhuu MANDUUL	Mongolia	Statistic of Mongolian Transport Sector and Mineral's Transportation
	P7	Jifang ZHANG, Tomoya KAWASAKI, Shinya HANAOKA	Japan	Freight Transport Value of Time Estimation for Border Crossing Route ~Case Study of Tianjin Port-Ulan Bator Route
	P13	Tomoya KAWASAKI, Shinya HANAOKA	Japan	How to Choose a Route in Inland Freight Transport?
	A8	Manoj LOHATEPANONT, Ta-Chung WANG, Pasu RATPRASERT	Taiwan	Ant Colony Optimization Applied for Weekly Fleet Assignment with Time Windows Model
	A71	Ta-Yin HU, Tsai-Yun LIAO, Hwei-Yu GUO	Taiwan	A Meta-Heuristic Approach for On-line Travelling Repairman Problem - A Case Study of Signal Repair Problems
	A77	Dong ZHOU, Qiang LI, Lixin MIAO	China	Vehicle Routing Problem in Financial Escorting Service
	A28	Afshin Shariat MOHAYMANY, Elnaz IRANNEZHAD, Mohsen BABAEE	Iran	Effects of Specification of Urban Network on Optimal Fuel Distribution
	A34	Daiki KITAOKA, Shinpei OKAMOTO, Yoshinao OEDA, Tomonori SUMI	Japan	A Study on Temporal Distribution of Freight Transportation in Consideration of Daily Work-Life Cycle and Considerations on Refinement of the model
	P31	Judiantono TONNY	Indonesia	The Influence of Destination Location Factor and Transportation System Factor to Choice the Shopping Location
	A72	Jiaqi LI, Qing ZHANG, Bowei LI	China	The Quality Control in SCM
	A88	Tsai-Yun LIAO	Taiwan	Fuzzy Multiple Attribute Decision Framework for Third Party Logistics Selection
P33	Mir Alimullah FARUQUE, Md. Sabbir SHARIF	Bangladesh	Public Transport Verses Private Transport: Which Could Be the Better Option for a Mega City Dhaka?	

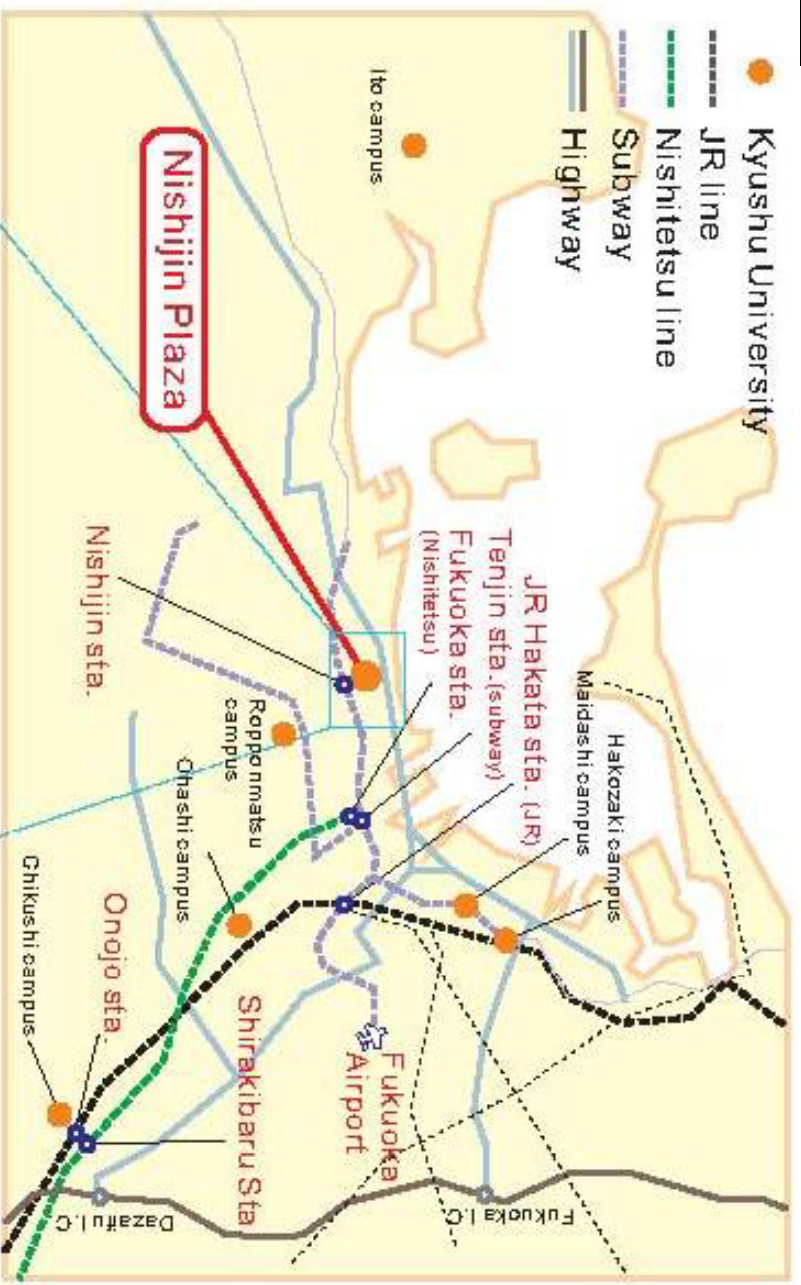
## Technical-Visiting Tour (tentative schedule)

### Day 3: September 8 (Wednesday)

- 8:00-8:15 departing Nishijin Plaza  
(or near place, the precise place and time will be announced at the conference)
- 8:30 departing Hyatt Residential Suite Fukuoka
- 9:00 Fukuoka Island City (terminal for Shanghai Super-Express, Electric RTG)  
Kashii Park Port Container Terminal
- 10:10 departing Island City
- 10:40 Fukuoka beer factory of Asahi Breweries (logistics and factory tour with tasting)
- 12:00 departing beer factory
- 12:30-14:00 (planned)  
arriving Hyatt Residential Suite Fukuoka  
via Fukuoka Airport, Hakata Railway  
Station, and Tenjin (city center)



## Venue



### Nishijin Plaza



[Route 1] (from Fukuoka Airport)  
 Fukuoka Airport -(20 min, Subway Kuko Line)-> Nishijin Sta. -(7min, walk)-> Nishijin Plaza  
 \* Take the Fukuoka City Subway going to "Meinohama", "Karatsu" or "Chikuzen-maebaru" at Fukuoka-kuko sta.

[Route 2] (from JR Hakata station)  
 Hakata sta. -(15min, Subway Kuko Line)-> Nishijin Sta. -(7min, walk)-> Nishijin Plaza  
 \* Take the Fukuoka City Subway going to "Meinohama", "Karatsu" or "Chikuzen-maebaru" at Hakata sta.

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