



Pan Pacific Association of Input-Output Studies The 26th Conference

Conference Program

Venue: Meiji University Surugadai Campus

Organized by Pan Pacific Association of

Input-Output Studies

The detailed program of the 26th conference of the Pan Pacific Association of Input-Output Studies is provided below. We are looking forward to seeing many of our colleagues and having many sessions on empirical and theoretical research outputs there!

1. Date

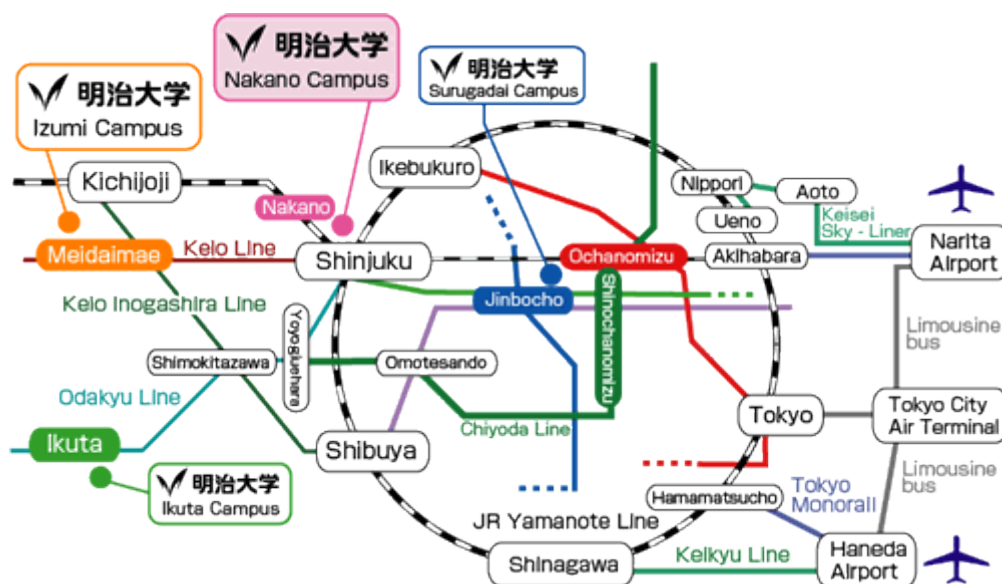
Pre-Event: October 30, 2015

Conference: October 31, 2015 - November 1, 2015

2. Venue

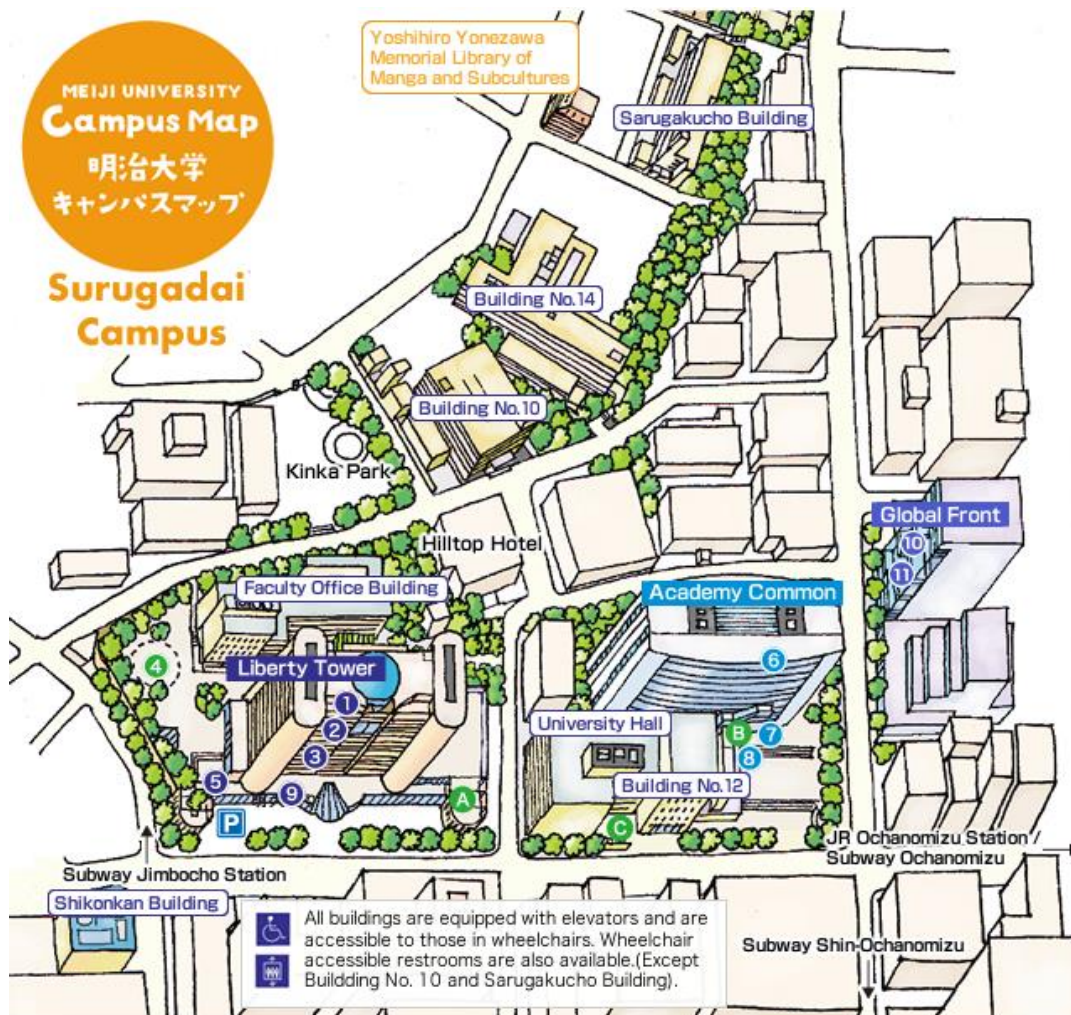
Liberty Tower, Meiji University (Surugadai Campus)

1-1 Kanda-surugadai, Chiyoda-ku, Tokyo



Source: <http://www.meiji.ac.jp/cip/english/about/campus/index.html>

Route map to Meiji University (Surugadai Campus)

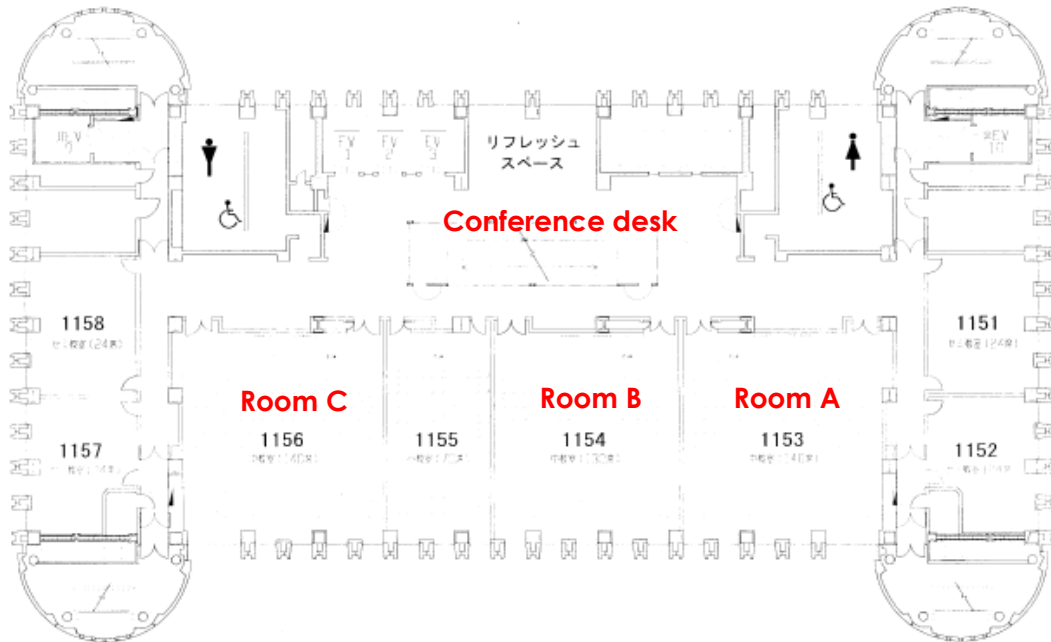


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|---|---|
| ① Kishimoto Tatsuo HALL [23F] | ⑧ Meiji University Museum / AKU YOU Memorial Museum [B1F] |
| ② Dining Hall (Sky Lounge Akatsuki) [17F] | ⑨ Shikon Hall [1F] |
| ③ Classroom | ⑩ International Student Office [2F] |
| ④ Hidamari Plaza | ⑪ International Lounge [2F] |
| ⑤ Central Library [1F—B3F] | A Lounge Marronnier |
| ⑥ Liberty Academy | B Café Pensée |
| ⑦ Portrait relief of the founders of Meiji University | C Meidai Mart |

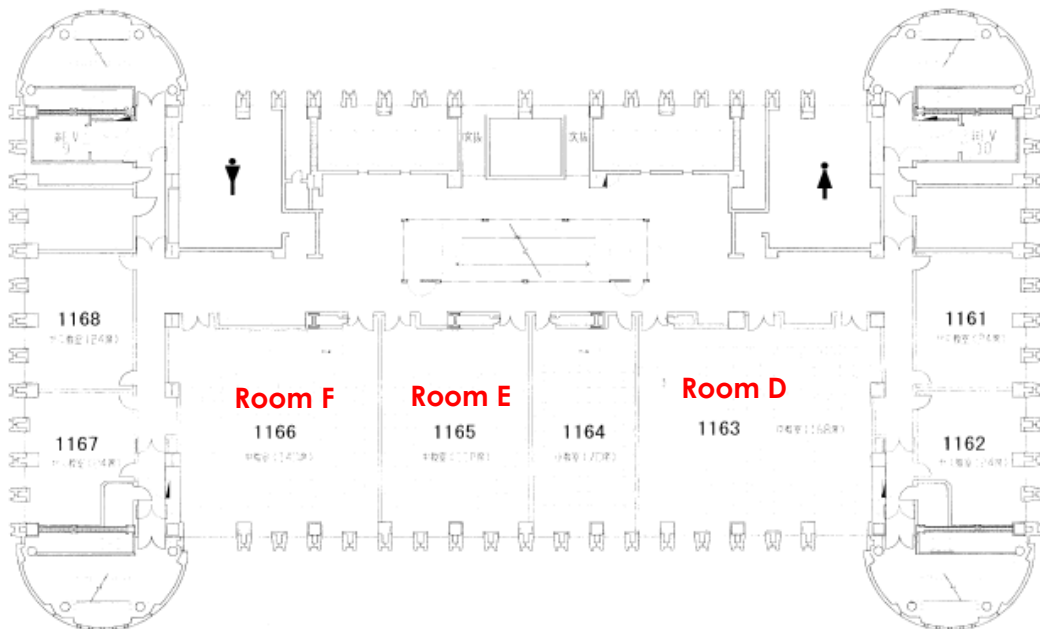
Source: http://www.meiji.ac.jp/cip/english/about/campus/su_campus.html

Surugadai Campus Map

3. Presentation Rooms at the Liberty Tower



15th floor at the Liberty Tower



16th floor at the Liberty Tower

4. Local organizing committee member and scientific program committee members

Chair of the local organizing committee

Takashi YAGI (Meiji University)

Chair of the scientific program committee

Shigemi KAGAWA (Kyushu University)

Scientific program committee members

Sachiyo ASAHU (Mie University)

Taku ISHIRO (Yokohama National University)

Mikio SUGA (Hosei University)

Makiko TSUKUI (Tokyo International University)

Junji NAKAZAWA (Kochi University)

Keisuke NANSU (National Institute for Environmental Studies)

Koji NOMURA (Keio University)

Takatoshi WATANABE (Aichi Gakuin University)

5. Conference office

Local organizing committee

School of Political Science and Economics, Meiji University

Takashi YAGI

Email: papaos2015@ml.meiji.ac.jp

Conference web: <http://www.gakkai.ne.jp/papaos/conf/index.html>

6. Supporting Organizations

- Department of Economics, School of Political Science and Economics, Meiji University
- Economic Research Center, Graduate School of Economics, Nagoya University
- Institute of Developing Economies, JETRO

7. Program at a Glance

Room name		Reception place	Room A	Room B	Room C	Room D	Room E	Room F
Room number		Kishimoto Hall at 23rd floor of Liberty tower	Room no.1153	Room no.1154	Room no.1156	Room no.1163	Room no.1165	Room no.1166
October 30, 2015 (Fri)	14:00-15:10							Introduction of the Japanese Regional Input-Output Tables (in Japanese)
	15:20-16:30							Compilation of the Japanese IO Table (in Japanese)
	17:00-19:00							Young IO Researchers Workshop (in English)
October 31, 2015 (Sat)	9:00-11:00		Seminar on Input-Output Analysis using Scilab (in Japanese)	Seminar on Input-Output Analysis using Excel-VBA (in Japanese)				
	12:00-14:00		Regional Analysis and Regional Economy (Japanese session)	Environment, Resource and Energy I (Japanese session)	Compilation of IO Table, SNA and SAM I (Japanese session)	EIOA and WIOA in China and Japan (English session)	International Trade and Comparison I (English session)	Input-Output Analyses for Low-carbon Societies I (English session)
	14:10-16:10		Input-Output Theory (Japanese session)	Environment, Resource and Energy II (Japanese session)		Environment, Resource and Energy (English session)	International Trade and Comparison II (English session)	Input-Output Analyses for Low-carbon Societies II (English session)
	16:15-16:45					General assembly		
	16:45-17:45					PAPAIOS Presidential Address		
	18:00-20:00	Reception						
November 1, 2015 (Sun)	10:00-12:00		New International Input-Output Table (YNU-GIO) (Japanese session)	Environment, Resource and Energy III (Japanese session)	Compilation of IO Table, SNA and SAM I (Japanese session)	Economics of Energy Markets (English session)	Input-Output Theory I (English session)	Global Value Chains Analysis (English session)
	13:30-15:30		International Economy and Development Economy (Japanese session)	Environment, Resource and Energy IV (Japanese session)		National and Regional Economic Accounts (English session)	Input-Output Theory II (English session)	

8. Pre-Event and Conference Program

Friday afternoon, October 30th

Room F (Room no.1166) 14:00-15:10

Introduction of the Japanese Regional Input-Output Tables (in Japanese)
Kozo Miyagawa (Rissho University)

Room F (Room no.1166) 15:20-16:30

Compilation of the Japanese 2011 IO Table (in Japanese)
Yoshikazu UEMATSU (Ministry of Internal Affairs and Communications)

Room F (Room no.1166) 17:00-19:00

Young IO Researchers Workshop

Organizers: Keiichiro KANEMOTO (Kyushu University), Chen LIN (Shandong University)
and Shunsuke OKAMOTO (Onomichi City University)
Keynote Lecture by Bart Los (University of Groningen)

Saturday morning, October 31st

Room A (Room no.1153) 9:00-11:00

Seminar on Input-Output Analysis using Scilab (in Japanese)
Lecturers: Taiji HAGIWARA (Kobe University), Seiji YAMADA (Kobe University)

Room B (Room no.1154) 9:00-11:00

Seminar on Input-Output Analysis using Excel-VBA (in Japanese)
Lecturers: Mitsuru SHIMODA (Applied Research Institute),
Kiyoshi FUJIKAWA (Nagoya University)
Takatoshi WATANABE (Aichi Gakuin University)

Saturday afternoon, October 31st

Regional Analysis and Regional Economy (Japanese session)

Room A (Room no.1153) 12: 00-14: 00
Chair: Sachiyo ASAHII (Mie University)

The Impact of Production and Infrastructure Shocks to the Japanese Inter-regional
Economy: A Hypothetical Regional Extraction Approach
Michiya NOZAKI (Gifu Keizai University)
Discussant: Takaaki OKUDA (Nanzan University)

An Empirical Study on the Overtime Changes of Regional Production Structure in Chubu
—Based on the Interregional Input-Output Tables for Chubu Region—
Yantian CHEN (Chubu Region Institute for Social and Economic Research), Xuemei SHEN
(Chubu Region Institute for Social and Economic Research) and Mitsuo YAMADA (Chukyo
University)
Discussant: Nobuhiro OKAMOTO (Daito Bunka University)

A Productivity Analysis of Resource Accumulations in the Japanese Prefectures
Shogo EGUCHI (Kyushu University), Keijiro OKUOKA (Nagoya University) and Shigemi
KAGAWA (Kyushu University)
Discussant: Hidemichi FUJII (Nagasaki University)

Environment, Resource and Energy I (Japanese session)

Room B (Room no.1154) 12: 00-14: 00
Chair: Ayu WASHIZU (Waseda University)

Structural Path Analysis of Air Pollutants Generated in Asian Countries
Fumiya NAGASHIMA (Kyushu University), Shigemi KAGAWA (Kyushu University) and
Keisuke NANSAI (National Institute for Environmental Studies)
Discussant: Ayu WASHIZU (Waseda University)

CO₂ Emissions Embodied Responsibility Distribution in the China-Japan Trade
Jihong JIN (Donghua University)
Discussant: Tsubasa SHIBATA (Institute of Developing Economies, JETRO)

Influence of the Changes in Material Input Structure on Life-cycle CO₂ Emissions
Kayoko SHIRONITTA (Kyushu University), Shigemi KAGAWA (Kyushu University) and
Keisuke NANSAI (National Institute for Environmental Studies)
Discussant: Satoshi NAKANO (The Japan Institute for Labour Policy Training)

Compilation of IO Table, SNA and SAM I (Japanese session)

Room C (Room no.1156) 12: 00-14: 00
Chair: Junji NAKAZAWA (Kochi University)

The Construction of Small Regional Input-Output Table by Non-Survey Method and Analysis
of Economic Effects of Recycled Pottery
Hideya KATO (Nanzan University) and Yoshifumi ISHIKAWA (Nanzan University)
Discussant: Junji NAKAZAWA (Kochi University)

The Simplified Estimation of Input Output Table of All Municipalities in Japan
Mikio SUGA (Hosei University)
Discussant: Taiji HAGIWARA (Kobe University)

The Influence That Head Office Section Gives to an Inter-regional Input-Output Table
Sonoe ARAI (Research Institute of Economy, Trade and Industry)
Discussant: Mikio SUGA (Hosei University)

Proposed session: EIOA and WIOA in China and Japan (English session)

Room D (Room no.1163) 12: 00-14: 00
Chair: Makiko TSUKUI (Tokyo International University)

CHIOT: Estimating Historical Environmentally Extended Input-Output Tables of China
Chen LIN (Shandong University), Lei SHI (Tsinghua University), Qian WEI (Shandong
University) and Yiming LIU (Shandong University)

Environmental Loads Embodied International Trade between China and Japan:
China-Japan WIO Analysis
Makiko TSUKUI (Tokyo International University), Chen LIN (Shandong University), Kaiyan JI
(Shandong University) and Xiaoliang LANG (Shandong University)

A Spatial Structural Decomposition Analysis of the Carbon Footprint based on Multi-Region Input-Output Model for Japanese Regions

Ryoji HASEGAWA (Osaka International University), Shigemi KAGAWA (Kyushu University), Yasushi KONDO (Waseda University) and Makiko TSUKUI (Tokyo International University)

Does Income Distribution Affect Environmental Emissions in China?

Jing LI (Nanchang University) and Chen LIN (Shandong University)

International Trade and Comparison I (English session)

Room E (Room no.1165) 12: 00-14: 00

Chair: Masaaki KUBONIWA (Hitotsubashi University)

A Comparative Study on the Environmental Goods and Services Sector in Japan, Korea and China using Input-Output Analysis

Xin ZHOU (Institute for Global Environmental Strategies) • Mustafa MOINUDDIN (Institute for Global Environmental Strategies)

Discussant: Taku ISHIRO (Yokohama National University)

The Value-Added Analysis of Trade on Taiwan: A Study on Global Value Chains Analysis

Hsing-Chun LIN (National Chiayi University) • Shih-Hsun HSU (National Taiwan University) • Li-Chen CHOU (National Chengchi University)

Discussant: Masaaki KUBONIWA (Hitotsubashi University)

The Value-Added Analysis of Tea Industry on Taiwan

Hsing-Chun LIN (National Chiayi University) • Shih-Hsun HSU (National Taiwan University) • Li-Chen CHOU (National Chengchi University)

Discussant: Nagendra SHRESTHA (Yokohama National University)

Proposed session:

Input-Output Analyses for Low-carbon Societies I (English session)

(Co-organized by Institute of Developing Economies, JETRO, Economic Research Center, Graduate School of Economics, Nagoya University and Pan Pacific Association of Input-Output Studies)

Room F (Room no.1166) 12: 00-14: 00

Chair: Satoshi INOMATA (Institute of Developing Economies, JETRO)

Carbon Footprint Profiles of US Households

Klaus HUBACEK (University of Maryland)

The Impact of Firm Heterogeneity in Measuring China's Carbon Emissions

Yu LIU (Chinese Academy of Sciences)

Outsourcing Slowdown and Trade Reform in China: A Quantitative Estimation of the Emissions Impact

Jiansuo PEI (University of International Business and Economics)

The Relative Positions of Countries in the Regional Supply Chains of East Asia: "Sobbing Curve" and its Implication for Carbon Emissions

Satoshi INOMATA (Institute of Developing Economies, JETRO)

Input-Output Theory (Japanese session)

Room A (Room no.1153) 14:10-16:10

Chair: Kazuhiko NISHIMURA (Nihon Fukushi University)

Visualization of IO-tables of Chiba City by using Network Theory.

Yasuyuki MURADATE (University of Tokyo)

Discussant: Keiichiro KANEMOTO (Kyushu University)

How to Choose Thresholds for Graph Sparsification in Input Output Network Analysis

Teshu HANAKA (Kyushu University), Hirotaka ONO (Kyushu University) and Shigemi

KAGAWA (Kyushu University)

Discussant: Ryoko MORIOKA (National Institute for Environmental Studies)

A System of Multi-stage Multi-factor CES Production Functions and its Application to the Analysis of Structural Propagation

Kazuhiko NISHIMURA (Nihon Fukushi University) and Satoshi NAKANO (The Japan Institute for Labour Policy Training)

Discussant: Jiro NEMOTO (Nagoya University)

Environment, Resource and Energy II (Japanese session)

Room B (Room no.1154) 14:10-16:10

Chair: Ryoji HASEGAWA (Osaka International University)

Impacts of the Changes in Product Lifetime and Energy Efficiency of Air Conditioners on Life-cycle CO₂ Emissions

Daisuke NISHIJIMA (Kyushu University) and Shigemi KAGAWA (Kyushu University)

Discussant: Masahiro OGUCHI (National Institute for Environmental Studies)

Input-Output Table for Analysis of Next-generation Energy System

Ayu WASHIZU (Waseda University), Satoshi NAKANO (The Japan Institute for Labour Policy Training), Sonoe ARAI (Research Institute of Economy, Trade and Industry), Masatoshi YOKOHASHI (Applied Research Institute) and Kaori TSUYUKI (Applied Research Institute)

Discussant: Makoto KASAHARA (Ministry of Economy, Trade and Industry)

Environment, Resource and Energy (English session)

Room D (Room no.1163) 14:10-16:10

Chair: Yasushi KONDO (Waseda University)

Finding Robust CO₂ Emission Clusters in the World Supply-chain Networks

Omar RIFKI (Kyushu University), Hirotaka ONO (Kyushu University) and

Shigemi KAGAWA (Kyushu University)

Discussant: Hiroshi TAGUCHI (Central Research Institute of Electric Power)

Optimal Electricity Rationing Strategy during Summer Season: A Linear Programming

Input-Output Model for Taiwan

Huey-Lin LEE (National Chengchi University)

Discussant: Yasushi KONDO (Waseda University)

Environmental and Resource Implications of Meeting the 2 degree

Celsius Target: An Application of Multi-regional Input-Output Analysis

Sangwon SUH (University of California, Santa Barbara), Joseph BERGESEN (University of California, Santa Barbara), Thomas GIBON (Norwegian University of Science and

Technology) and Edgar HERTWICH (Yale University)

Discussant: Shunsuke MORI (Tokyo University of Science)

International Trade and Comparison II (English session)

Room E (Room no.1165)14:10-16:10

Chair: Takashi OMORI (Tokyo City University)

Empirical Analysis of China-Bangladesh Bilateral Trade Contribution to Bangladesh's Economic Growth

Li TING (Donghua University) and Zhang XIA (Donghua University)

Discussant: Takashi OMORI (Tokyo City University)

The Making and Application of Thailand Industrial Input-Output Table

Nattaya KLAIRUANG (Kasetsart University), Nutpol SIRISAWANG (L P Laikhum Co.,Ltd) and Kanokwan KINGPADUNG (Silpakorn University)

Discussant: Kiyoshi FUJIKAWA (Nagoya University)

Proposed session

Input-Output Analyses for Low-carbon Societies II (English session)

(Co-organized by Institute of Developing Economies, JETRO, Economic Research Center, Graduate School of Economics, Nagoya University and Pan Pacific Association of Input-Output Studies)

Room F (Room no.1166) 14:10-16:10

Chair: Satoshi INOMATA (Institute of Developing Economies, JETRO)

Genuine Output and Genuine Productivity of China's Provinces: A Big Data Based Interregional Input-Output Accounting

Yuning GAO (Tsinghua University)

China is a Global Carbon Hub

Robbie ANDREW (Center for International Climate and Environmental Research – Oslo)

Panel Discussion with the Invited Panelists

Moderator: Satoshi INOMATA (Institute of Developing Economies, JETRO)

General assembly

Room D (Room no.1163) 16:15-16:45

PAPAIOS Presidential Address

Room D (Room no.1163) 16:45-17:45

Development and Future Issues of Input-Output Tables in Japan

Mistuo Yamada (Chukyo University)

Reception

Kishimoto Hall, 23rd floor, Liberty Tower 18:00-20:00

Sunday morning, November 1st

Proposed session

New International Input-Output Table (YNU-GIO) (Japanese session)

Room A (Room no. 1153) 10:00-12:00

Chair: Yuichi HASEBE (Yokohama National University)

Discussant: Takeo IHARA (Chubu Region Institute for Social and Economic Research)

New Global Input-Outputs Table in Asian Perspective

Nagendra SHRESTHA (Yokohama National University), Kiyotaka SATO (Yokohama National University) and Yuichi HASEBE (Yokohama National University)

Structural Changes of the International Interdependence in East Asia with a Focus on Viet Nam- A Time Series Analysis by using the Global Input Output Tables of Yokohama National University-

Hoang phuong thao NGUYEN (Yokohama National University)

Progress of the International Interdependence in East Asia

Dan JIN (Tokyo University of Science) and Shunsuke MORI (Tokyo University of Science)

Environment, Resource and Energy III (Japanese session)

Room B (Room no.1154) 10:00-12:00

Chair: Yasushi KONDO (Waseda University)

Analyzing Clusters in Minor Metal international Trade: A Case Study of Platinum Primary Product

Syohei TOKITO (Kyushu University), Shigemi KAGAWA (Kyushu University) and Keisuke NANSAI (Kyushu University)

Discussant: Hajime ONO (Yale University)

Development of Metal Network with IO based MFA

Hajime ONO (Yale University), Weiqiang CHEN (Yale University), Philip NUSS (Yale University) and Thomas GRAEDEL (Yale University)

Discussant: Keisuke NANSAI (National Institute for Environmental Studies)

Estimation of Global Flows of Critical Metals Using a Gravity Model

Yosuke SHIGETOMI (Kyoto University), Keisuke NANSAI (National Institute for Environmental Studies), Shigemi KAGAWA (Kyushu University) and Susumu TOHNO (Kyoto University)

Discussant: Tetsuya TURUMI (Nanzan University)

Compilation of IO Table, SNA and SAM II (Japanese session)

Room C (Room no.1156) 10:00-12:00

Chair: Itsuo SAKUMA (Senshu University)

Progress of Outsourcing and its Treatment in Input-Output Table

Shinji TAHARA (Cabinet Office, Government of Japan)

Discussant: Sonoe ARAI (Research Institute of Economy, Trade and Industry)

Funds-Flow Method of National Accounting

Masako TSUJIMURA (Keio University) and Kazusuke TSUJIMURA (Keio University)

Discussant: Itsuo SAKUMA (Senshu University)

Proposed session

Economics of Energy Markets (English session)

Room D (Room no.1163 教室) 10: 00-12: 00

Chair: Isamu MATSUKAWA (Musashi University)

Effectiveness of Feed-in Tariff and Renewable Portfolio Standard under Strategic Pricing in Network Access

Yukihide KURAKAWA (Waseda University) and Akira HIBIKI (Tohoku University)

Re-examining a Role of Electricity Retailers
Eiji SAWADA (Kyushu Sangyo University)

How Long Do People Keep Reducing Electricity Consumption after Public Pressures?
Shigeharu OKAJIMA (Waseda University)

Input-Output Theory I (English session)

Room E (Room no.1165) 10:00-12:00
Chair: Euijune KIM (Seoul National University)

A Closed Inoperability Input-Output Model for Modeling Disaster Impact through Labor Supply Disruption
Krista Danielle S. YU (De La Salle University), Kathleen B. AVISA (De La Salle University), Marites M. TIONGCO (De La Salle University), Michael Angelo B. PROMENTILLA (De La Salle University), Joost R. SANTOS (The George Washington University), Yasuhide OKUYAMA (The University of Kitakyushu) and Raymond R. TAN (De La Salle University)
Discussant: Shigemi KAGAWA (Kyushu University)

Development of Financial CGE Model for Economic Analysis of Transportation Investments
Euijune KIM (Seoul National University), Geoffrey J.D. HEWINGS (University of Illinois at Urbana-Champaign) and Hidayat AMIR (Ministry of Finance, Indonesia)
Discussant: Kazuhiko NISHIMURA (Nihon Fukushi University)

Study on Development of KIET Macro-Industry Short-term Projection Model
Jin-Myon Lee (Korea Institute for Industrial Economics & Trade), Youngho Lee (Korea Institute for Industrial Economics & Trade) and Jeajin Kim (Korea Institute for Industrial Economics & Trade)
Discussant: Bart LOS (University of Groningen)

The Transatlantic Trade and Investment Partnership (TTIP) between the EU and the U.S. and Its Economic Impact: A CGE Approach
Jong-Hwan Ko (Pukyong National University)
Discussant: Euijune KIM (Seoul National University)

Proposed session
Global Value Chains Analysis (English session)

Room F (Room no.1166) 10:00-12:00
Chair: Norihiko YAMANO (OECD)

World Input-Output model with Trade Heterogeneity: Method and Bias
Cuihong YANG (Chinese Academy of Science)

The Impact of GVC on Asia-Pacific Economies' Competitiveness and Industrial Structure Change

Yaxiong ZHANG (State Information Center) and Jianqin YUAN (State Information Center)

Measuring Non-cross Border Activities in Inter-country I-O Framework

Norihiko YAMANO (OECD)

Sunday afternoon, November 1st

International Economy and Development Economy (Japanese session)

Room A (Room no.1153) 13:30-15:30

Chair: Mitsuo YAMADA (Chukyo University)

Tracking Value-added and Double-accounting in Foreign Trade between China and the US

Masaaki KUBONIWA (Hitotsubashi University)

Discussant: Yasushi NAKAMURA (Yokohama National University)

Cross-Border Transaction in International Input-Output Table: an Extension of Average Propagation Length

Taiji HAGIWARA (Kobe University)

Discussant: Mitsuo YAMADA (Chukyo University)

Regional Economic Interdependence between Japan and China

Tsubasa SHIBATA (Institute of Developing Economies, JETRO)

Discussant: Takaaki KANAZAWA (Wakayama University)

Environment, Resource and Energy IV (Japanese session)

Room B (Room no.1154) 13:30-15:30

Chair: Keisuke NANSAI (National Institute for Environmental Studies)

LCA Boundary Decisions Based on Industrial Clustering Techniques using Input-Output Analysis

Shunsuke OKAMOTO (Onomichi City University)

Discussant: Makiko TSUKUI (Tokyo International University)

Supply Risks on Critical Metals of Japanese Economy from the Viewpoint of Market Concentration of International Trade

Keisuke NANSAI (National Institute for Environmental Studies), Kenichi NAKAJIMA (National Institute for Environmental Studies), Shigemi KAGAWA (Kyushu University) and Yasushi KONDO (Waseda University)

Discussant: Hiroki HATAYAMA (National Institute of Advanced Industrial Science and Technology)

MaTrace Global: Tracing the Fate of Materials across Regions over Time in Open-loop Recycling

Yasushi KONDO (Waseda University)

Discussant: Ichiro DAIGO (University of Tokyo)

National and Regional Economic Accounts (English session)

Room D (Room no.1163) 13:30-15:30

Chair: Mikio SUGA (Hosei University)

Application of an Established Methodology to Compile an Expanded 2010 Green SAM and Employment/Environment Accounts for Indonesia

Xin ZHOU (Institute for Global Environment Strategies) and Mustafa MOINUDDIN (Institute for Global Environment Strategies)

Discussant: Yoshihiro MAKINO (Shizuoka Sangyo University)

Policy Evaluations: Using Flow-of-Funds Accounts

Jiyoung KIM (Institute of Developing Economies, JETRO)

Discussant: Shigeru NISHIYAMA (Kobe Gakuin University)

What Can the Discrepancy Between Chinese National and Regional Input-Output Tables Tell Us?

Harry X. WU (Hitotsubashi University), Zhan LI (Hitotsubashi University) and Bo MENG (Institute of Development Economics, JETRO)

Discussant: Yoshifumi ISHIKAWA (Nanzan University)

Updating the Supply and Use Tables for Asia

Eileen CAPILIT (Asian Development Bank) and Rhea Ann BAUTISTA (Asian Development Bank)

Discussant: Mikio SUGA (Hosei University)

Input-Output Theory II (English session)

Room E (Room no.1165) 13:30-15:30

Chair: Rajas PARCHURE (Gokhale Institute of Politics & Economics)

Money and General Disequilibrium: Part I

Rajas PARCHURE (Gokhale Institute of Politics and Economics)

Discussant: Takashi YAGI (Meiji University)

Inventory Adjustment and Aggregate Fluctuations

Naoto YAGI (Niigata Sangyo University)

Discussant: Toichiro ASADA (Chuo University)

Total Factor Productivity: A New Theoretical Approach

Takashi YAGI (Meiji University)

Discussant: Rajas PARCHURE (Gokhale Institute of Politics & Economics)