



# ICES 2026

**10<sup>th</sup> International Conference on Economic Structures**

**PAPAIOS**



**Pan Pacific Association of Input-Output Studies**



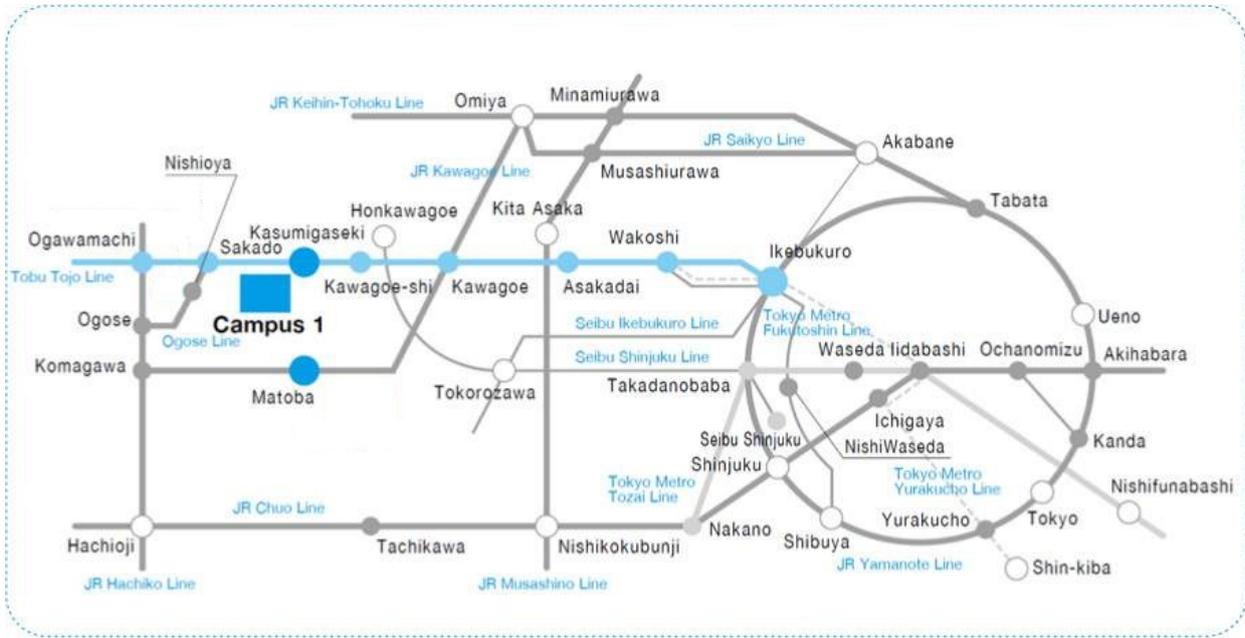
## **March 6-7, 2026**

### **at Tokyo International University**

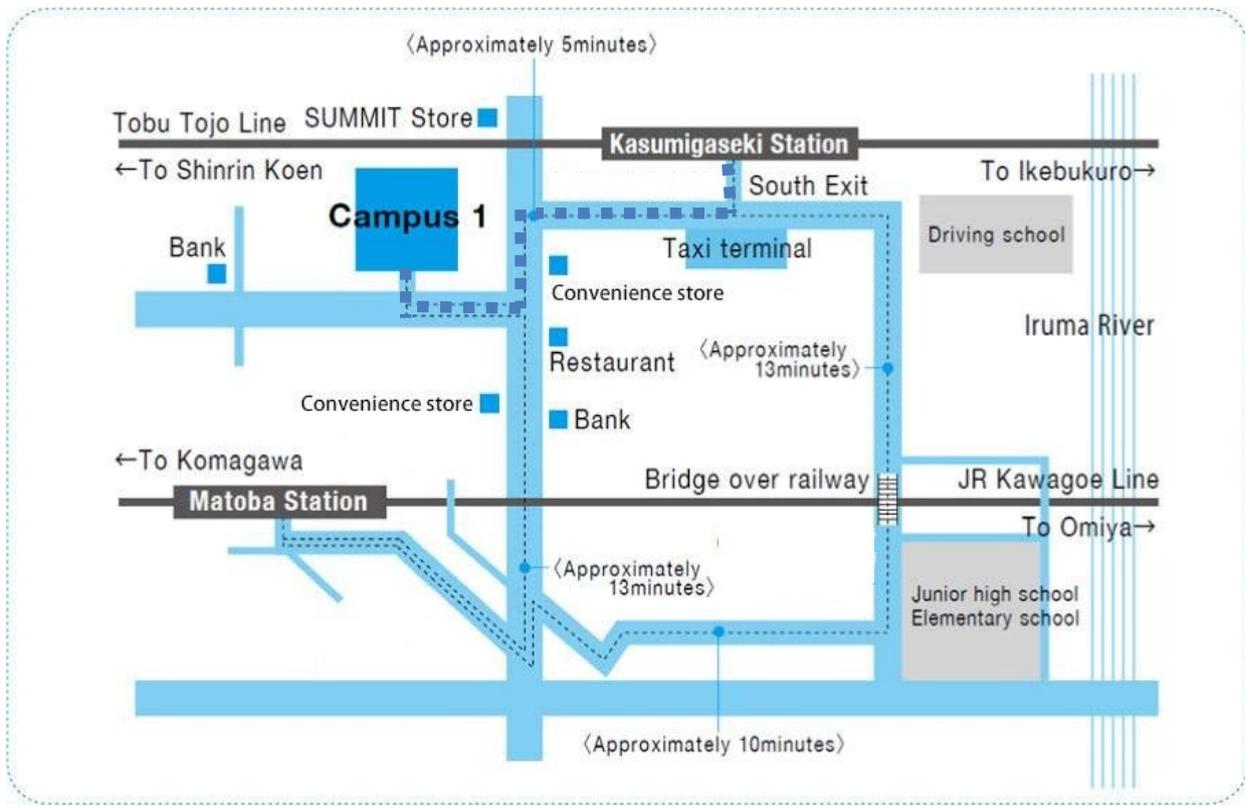
**(Address: 1-13-1 Matoba-Kita, Kawagoe-shi, Saitama,  
350-1197, Japan )**

- ◆ Chair of the Organizing Committee:  
TSUKUI Makiko (Tokyo International University, Japan)
- ◆ Chair of the Scientific Program Committee:  
ISHIRO Taku (Yokohama National University, Japan)
- ◆ Website: <http://www.gakkai.ne.jp/papaios/en/conference.html>
- ◆ Contact: [ICES\\_PAPAIOS@ml.gakkai.ne.jp](mailto:ICES_PAPAIOS@ml.gakkai.ne.jp)
- ◆ Organized by the Pan Pacific Association of Input-Output Studies (PAPAIOS)

## Access Map



## Area Map

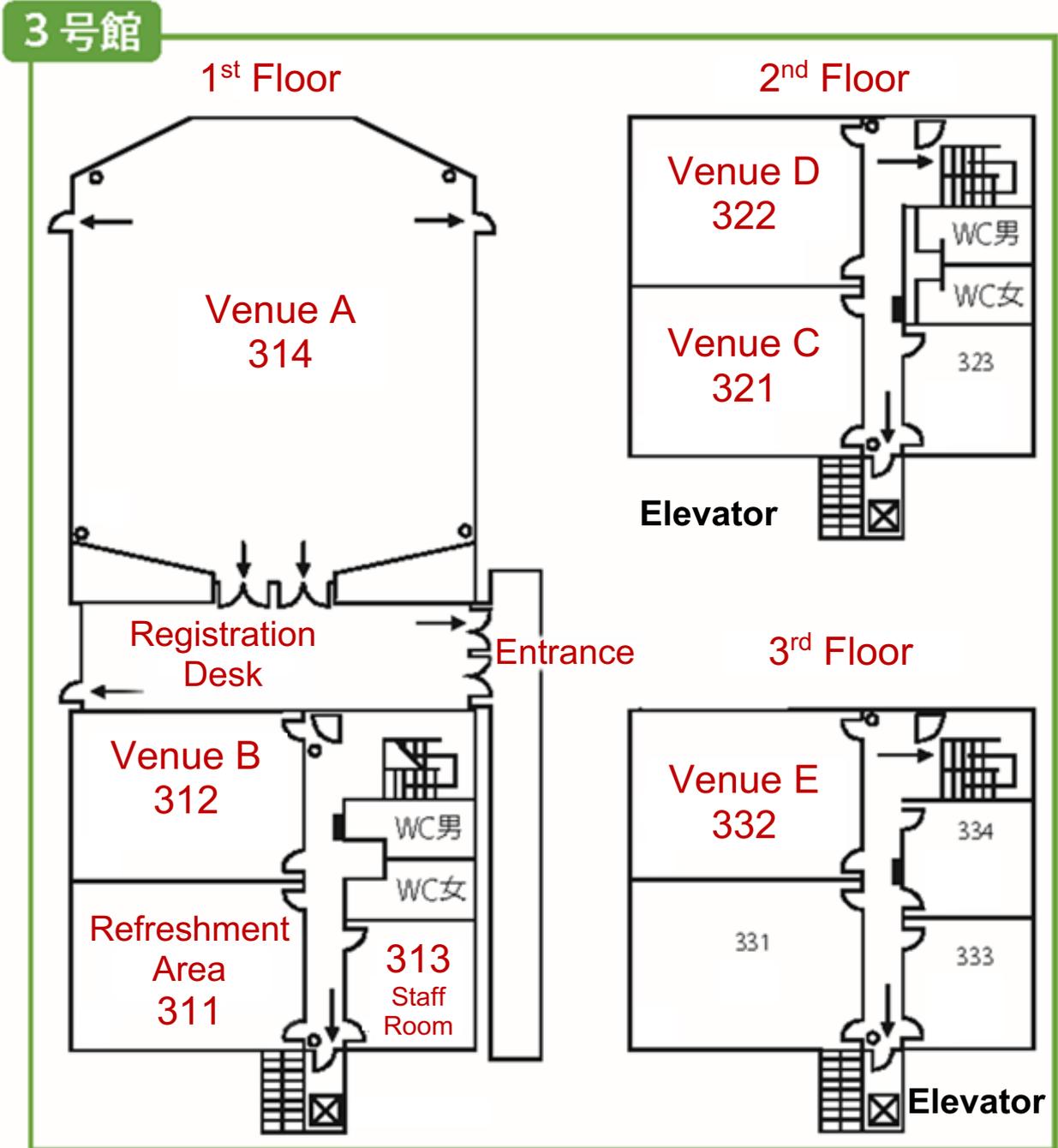


- **Tokyo International University, Kawagoe Campus 1**  
**From Kasumigaseki Station:** Approximately 5 minutes on foot. If using the Tobu Tojo Line (express), Kasumigaseki Station is approximately 36 minutes from Ikebukuro Station. If using the Subway Yurakucho Line, it is easiest to change trains at Wakoshi Station to the Tobu Tojo Line (rapid).
- **From Matoba Station:** Approximately 13 minutes by foot. If using the JR Kawagoe line (via the Saikyo Line), Matoba Station is approximately 31 minutes from Omiya Station.
- **Address: 1-13-1 Matoba-Kita, Kawagoe-shi, Saitama, 350-1197 Tel.049-232- 1111**

## Campus Map



# Floor Map (Building No.3)



## Conference Program Overview

Conference Program Overview							
		Venue A (314)	Venue B (312)	Venue C (321)	Venue D (322)	Venue E (332)	
6 March	9:30-9:50		Opening Session (Building 3)				
	10:00-12:00		4: Regional Input- Output Analysis	2: Compilation of Input- Output Table or SUT 6: Digital Economy and AI	8: Environment, Resource and Energy (1)	5: International Economy and International Development (1)	
	12:00-13:30	Lunch					
	13:30-15:30		Organized session: Applications of Input- Output Analysis in Korea: Policy Evaluation and Structural Change	3: Macroeconomic Modeling and CGE (1)	8: Environment, Resource and Energy (2)	5: International Economy and International Development (2)	
	15:50-17:20		11: Other Topics(1)	3: Macroeconomic Modeling and CGE (2)	9: The Effect of Disaster and Pandemic to Economy	5: International Economy and International Development (3)	
	17:40-17:50	Greetings to Related Academic Societies					
	17:50-18:40	Keynote					
	18:50-20:00	Social gathering (Building 7, Cafe Lounge, 2nd Floor)					
7 March	10:00-12:00		11: Other Topics(2)	1: Theory of Input- Output Techniques	8: Environment, Resource and Energy (3)		
	13:30-15:30		7: Productivity	10: Finance, Monetary Policy	8: Environment, Resource and Energy (4)		

# Instructions for Speakers

## Presentation Equipment

Speakers may use either their own laptop or the **Windows-based computer provided by the conference** for presentations.

Connection is primarily available via **HDMI**.

USB Type-C connection may also be used using adapters provided by the conference; however, compatibility issues may occur depending on the device.

Speakers are therefore advised to bring a backup copy of their presentation on a USB flash drive (Type-A or Type-C), so that it can be presented using the conference computer if necessary.

A conference laptop will be available in each session room.

This computer has been checked and secured with up-to-date antivirus protection.

## Laser Pointers

The conference does not provide laser pointers.

Speakers who wish to use one are requested to bring their own device.

## Time Allocation for Presentations

Each presentation slot is 30 minutes (including discussion).

As a general guideline, time signals are given as follows:

- 20 minutes – Bell once (end of presentation)
- 25 minutes – Bell twice (5 minutes remaining)
- 30 minutes – Bell three times (end of session)

Please follow the instructions of the session chair, who has final discretion over time management.

## Day 1 Events

Friday 6 March 9:30-9:50		Venue B(312)
Chair:	<b>Opening Session</b> Yoshifumi Ishikawa	( Nanzan University )
Speaker	Yoshifumi Ishikawa (President of PAPAIOS)	( Nanzan University )
Chair:	<b>Young Researchers' Introductions</b> Jiyoung Kim	( Okayama University )
6 March 10:00-12:00		Venue B (312)
	<b>Regional Input-Output Analysis</b>	
Chair:	Mitsuo Yamada	( Chukyo University )
Title	Myanmar's Economic Growth Patterns after 1988 Political Crisis	
Author	Ei Ei Thein	( Ritsumeikan University )
Co-author	Kazuo Inaba	( Ritsumeikan University )
Title	Domestic Value Added in Bangladesh's Textile Exports: A Destination-Specific Decomposition, 2007–2023	
Author	Mohammad Sayedur Rahman	( Yokohama National University )
Co-author1	Kazuo Inaba	( Ritsumeikan University )
Co-author2	Taku Ishiro	( Yokohama National University )
Title	Structural Analysis of Regional Economic Circulation and Interregional Leakage	
Author	Naoki Inoda	( Yokohama National University )
Co-author1	Taku Ishiro	( Yokohama National University )
6 March 10:00-12:00		Venue C (321)
	<b>Compilation of Input-Output Table or SUT and Digital AI</b>	
Chair:	Mikio Suga	( Hosei University )
Title	Robot Adoption and Export Structure in Developing Economies	
Author	Karamat Nurillaev	( Hokkaido University )
Title	Compiling China's 2023 Digital Supply and Use Table with International Comparative Analysis	
Author	Yumeng Xue	( Beijing Normal University )
Co-author1	Yafei Wang	( Beijing Normal University )
Co-author2	Jiajing Zhang	( Beijing Normal University )
Title	Does Financial Literature Boost the Impact of Mobile Money Adoption on Female-Owned Informal Enterprises?	
Author	Usman Alhassan	( Ritsumeikan University )
Co-author1	Kimty Seng	( Institute of International Studies and Public Policy, Royal University of Phnom Penh, Cambodia )
Co-author2	Sachiko Miyata	( College of Business Administration, Ritsumeikan University )
6 March 10:00-12:00		Venue D (322)
	<b>Environment, Resource and Energy(1)</b>	
Chair:	Taku Ishiro	( Yokohama National University )
Title	Research on Electricity Footprint of China's Industrial Sectors Based on Input-Output Analysis	
Author	Taku Ishiro	( Yokohama national university )
Co-author1	Liu Xie	( Wuhan Donghu University )
Co-author2	Yuxuan Sun	( Yokohama national university )
Co-author3	Jianzhong Xiao	( China University of Geosciences )
Title	CO2 Emission Reduction Effect of CCS in China:	
Author	Zuoyi Ye	( Okinawa International University )
Co-author1	Takatoshi Watanabe	( Aichi Gakuin University )
Co-author2	Kiyoshi Fujikawa	( Aichi Gakuin University )
Title	Toward an Industrial Structure Analysis of a Triple Sustainability Society	
Author	Ayu Washizu	( Waseda University )
Co-author1	Sayaka Ita	( Tohoku-Gakuin University )

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**6 March 10:00-12:00****Venue E (332)****International Economy and International Development(1)**

Chair:	Nobuhiro Okamoto	( Daito Bunka University )
Title	Capital and Capital Goods in Trade Theory: A Primer	
Author	Neha Dhanawade	( Gokhale Institute of Politics and Economics )
Co-author1	Rajas Parchure	( Gokhale Institute of Politics and Economics )
Title	Measuring Tariff-Shock Effects with an Endogenous Cross-Country Production Network: A Reconstructed Intercountry Input–Output Model	
Author	Qi Su	( University of Chinese Academy of Sciences )
Co-author1	Jian Xu	( University of Chinese Academy of Sciences )
Title	Labor Value and Exploitation between China and the United States	
Author	Ningxin Zhu	( Ritsumeikan University )
Co-author1	Takahiro Hashimoto	( Ritsumeikan University )

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**6 March 13:30-15:30****Venue B (312)****Organized session 1:“Applications of Input-Output Analysis in Korea: Policy Evaluation and Structural Change**

Chair:	Jinmyon Lee	( Korea Institute for Industrial Economics and Trade, KIET )
Title	Compilation and Analysis of the 2020 Regional IOTs of Korea	
Speaker	Seongwoon Lim	( Bank of Korea )
Title	Estimation Results and Key Features of the EV Sector in the Korean IO Table	
Speaker	Eunjee Noh	( Bank of Korea )
Title	Development of a Machine-Learning-Based MRIO Nowcasting Model	
Speaker	Junseok Choi	( Korea Institute for Industrial Economics & Trade, KIET )

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**6 March 13:30-15:30****Venue C (321)****Macroeconomic Modeling and CGE(1)**

Chair:	Shih-Hsun Hsu	( National Taiwan University )
Title	An Analysis of the Impacts of Protectionist Trade Policy on the Energy-Economy Structures	
Speaker	Shunsuke Mori	( Tokyo University of Science )
Title	A Study on the Macroeconomic and Sectoral Impacts of AI Adoption in Taiwan: A Computable General Equilibrium Approach	
Speaker	Shih-Hsun Hsu	( National Taiwan University )
Co-author1	Ching-Cheng Chang	( Institute of Economics, Academia Sinica )
Co-author2	Min-Long Chen	( Institute of Economics, Academia Sinica )
Title	An Economy-wide Impact Analysis of U.S. Reciprocal Tariffs on Taiwan	
Speaker	Ching-Cheng Chang	( Academia Sinica )
Co-author1	Sin Yee Tan	( National Taiwan Ocean University )
Co-author2	Min-Long Chen	( Academia Sinica )

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**6 March 13:30-15:30****Venue D (322)****Environment, Resource and Energy(2)**

Chair:	Takahiro Hashimoto	( Ritsumeikan University )
Title	Research on the Variation Effects of China's Water Resources and Energy Consumption Before and After the Implementation of RCEP (2020 - 2024) Based on the Input - Output Model	
Speaker	Yuxuan Sun	( Yokohama National University )
Co-author1	Taku Ishiro	( Yokohama National University )
Title	The Impact of Converting Fossil Fuel Taxes to Pure Carbon Tax on Household Expenditure in Japan	
Speaker	Koki Yada	( Graduate school, Nagoya University )
Title	THE ILLUSION OF DECARBONIZATION: PRODUCTION-CONSUMPTION ASYMMETRIES IN THE GLOBAL AUTOMOTIVE TRADE (2017–2023)	
Speaker	Shreedhar Gautam	( Yokohama National University )

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**6 March 13:30-15:30****Venue E (332)****International Economy and International Development(2)**

Chair:	Zuoyi Ye	( Okinawa Interantional University )
Title	Measuring the High-Quality Development of China–ASEAN Emerging High-Tech Product Trade	

Speaker	Suppakorn Khonkhlong	( School of Economic and Management, Wuhan University )
Co-author1	Yongming Huang	( China Institute of Development Strategy and Planning, Wuhan University )
Title	Panel Data Analyses on the Relationships between Changes in GDP and GVCs using OECD ICIO2025 and ADB MRIO2025	
Author	Masaaki Kuboniwa	( Hitotsubashi University )
Co-author1	Yusuke Nakatani	( Bunri University )
Title	ASSESSING THE REGIONAL IMPACTS OF TOURISM EXPANSION IN CANADA: AN INTERPROVINCIAL INPUT-OUTPUT APPROACH	
Speaker	Kakali Mukhopadhyay	( McGill University )
Co-author1	Vishnu S. Prabhu	( McGill University )
<b>6 March 15:50-17:20</b>		<b>Venue B (312)</b>
<b>Other Topics(1)</b>		
Chair:	Masaru Ichihashi	( Hiroshima University )
Title	Can Creative Industries Drive Regional Growth?	
Author	Takeshi Nagamune	( Niimi university )
Title	Remittances, Credit Access and Household Resilience to Shocks: Evidence from Rural Vietnam	
Author	Hue Vu Thi My	( Hiroshima University )
Title	Tax Evasion and Economic Growth: Evidence from South Asian Economies	
Author	Asma Humayun	( Ritsumeikan University BKC Campus )
Co-author1	Xuemei Shen	( Ritsumeikan University )
Co-author2	Waheed Abdul	( Kyoto University )
<b>6 March 15:50-17:20</b>		<b>Venue C (321)</b>
<b>Macroeconomic Modeling and CGE(2)</b>		
Chair:	Shunsuke Mori	( Tokyo University of Science )
Title	Can Megaregions Balance Regional Development? A Spatial CGE Assessment of South Korea	
Author	Euijune Kim	( Seoul National University )
Co-author1	Seulki Kim	( Seoul National University )
Title	How Digital Technologies Mediate the Trade-Growth Nexus through Skill Upgrading in Central America and the Caribbean	
Author	Roxanna Shawn Pena	( Ritsumeikan University )
Co-author1	Inaba Kazuo	( Ritsumeikan University )
Title	How Narrowing the School Gap Unleashes Consumption? —Based on a Nash Equilibrium Model	
Author	Zhuo Liu	( Beijing Normal University )
Co-author1	Nan Zhao	( Beijing Normal University )
Co-author2	Hanzhao Fu	( Beijing Normal University )
<b>6 March 15:50-17:20</b>		<b>Venue D (322)</b>
<b>The Effect of Disaster and Pandemic to Economy</b>		
Chair:	Tsutomu Yoshioka	( Aichi Gakuin University )
Title	Comparing Lockdown and Non-Lockdown Economies during COVID-19: Evidence from Multi-Regional Input-Output Analysis	
Author	Bui Xuan Hong	( SmaSo, Hiroshima University )
Co-author1	Masaru Ichihashi	( Hiroshima University )
Title	Natural disasters, covid 19 and the internationalization of Vietnam's labor force: A resilience framework approach	
Author	Dung Thi Thuy Mai	( Ritsumeikan University )
Title	Integrating Input–Output Structural Decomposition with Firm-Level Transaction Networks	
Author	Kiyotaka Ishikawa	( Surugadai University )
<b>6 March 15:50-17:20</b>		<b>Venue E (332)</b>
<b>International Economy and International Development(3)</b>		
Chair:	Shrestha Nagendra	( Yokohama National University )
Title	Measuring Indirect Value-Added via Third Countries: A Path Decomposition Analysis under the US-China Trade War	
Author	Yuxiang Huang	( Ritsumeikan University )
Title	Cash or Machinery? A Theory of Migrant-Driven Technology Diffusion	
Author	Mishael Joy Barrera	( BKC Research Organization of Social Sciences, Ritsumeikan University )
Co-author1	Jean-Claude Maswana	( Ritsumeikan University )
<b>Greetings to Related Academic Societies 17:40-17:50</b>		<b>Venue A(314)</b>
Speaker	Jinmyon Lee	( Korea Institute for Industrial Economics and Trade, KIET )
	President, The Korean Association of Economic Systems Research Analysis (KESRA)	

Speaker Ching-Cheng Chang ( Academia Sinica )  
(President, Taiwan Association of Input-Output Studies (TAIOS))

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**Keynotespeaker 17:50-18:40**

**Venue A(314)**

Chair Taku Ishiro ( Yokohama National University )

Speaker Jinmyon Lee  
Senior Research Fellow, Institute for Industrial Economics & Trade (KIET)  
President, The Korean Association of Economic Systems Research Analysis (KESRA)

Title Compilation and Applications of Input-Output Tables in Korea

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**7 March 10:00-12:00**

**Venue B (312)**

**Other Topics(2)**

Chair: Kazuo Inaba ( Ritsumeikan University )

Title Estimating Interregional Trade Flows with Limited Data: An Optimization Approach

Author Thi Bich Thao Dang ( University of Tokyo )

Co-author1 Morito Tsutsumi ( University of Tsukuba )

Co-author2 Lam Anh Duong Tran ( University of Tsukuba )

Title A Simulation Analysis of International Food Supply Risks and Their Impacts on Japan's Food System

Author Katsuhiro Saito ( Sophia University )

Title Changes of Sectoral Linkages and Income Multipliers in Bangladesh: Evidence from Social Accounting Matrices, 2017-2022

Author Jahan Mashrat ( Sophia University )

Co-author1 Cardenete Flores Manuel Alejandro ( Universidad Loyola Andalucia, Spain )

Co-author2 Tetsuya Horie ( Department of Economics, Sophia University )

Co-author3 Beltran Jaimes Luz Dary ( Department of Economics, Universidad Loyola Andalucia, Spain )

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**7 March 10:00-12:00**

**Venue C (321)**

**Theory of Input-Output Techniques**

Chair: Satoru Hagino ( Reitaku University )

Title Exploring the Feasible Solutions of Generalized Product Balance Equation within Various Identifying Assumptions

Author Vladimir Motorin ( Higher School of Economics )

Title Multiplier Decomposition of Multi-Regional Effects

Author Jun Omata ( Graduate School of Meiji University )

Title An interregional input-output analysis with agglomeration economies: Isard meets Krugman

Author Ryo Itoh ( Tohoku University )

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**7 March 10:00-12:00**

**Venue D (322)**

**Environment, Resource and Energy(3)**

Chair: Xuemei Shen ( Ritsumeikan University )

Title Input-output analysis on the life-cycle CO2 circulation of direct air capture and methanation by using the OECD-ICIO database

Author Mitsuo Yamada ( Chukyo University )

Co-author1 Keiko Nakayama ( Chukyo University )

Co-author2 Soichiro Masuda ( Toho Gas Co., Ltd. )

Co-author3 Koyo Norinaga ( Graduate School of Engineering, Nagoya University )

Title Assessing Water Footprints in Drought-Vulnerable Small Islands Region: Case of East Nusa Tenggara, Indonesia

Author Muhammad Fikruzzaman Rahawarin ( Center for National Development and Knowledge )

Title Asia-Pacific's Transition: Emissions, Social Cost of Carbon, and GVC Positions in Heavy Industry

Author Shuning Chen ( Hiroshima University )

Co-author1 Masaru Kagatsume ( Kyoto University )

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**7 March 13:30-15:30**

**Venue B (312)**

**Productivity**

Chair: Jiyoung Kim ( Okayama University )

Title Is Brand Marketing Assets or Human Capital?

Author	Satoru Hagino	( Reitaku University )
Title	Multinational Enterprises and Productivity Spillovers: Evidence from Selected Services in India	
Author	Pooja Dinesh Thakur	( Gokhale Institute of Politics and Economics )
Co-author1	Shivani Bankar	( Gokhale Institute of Politics and Economics )
Title	The Impact of Social Security Expenditure on Economic Growth in China: The Role of Human Capital Investment	
Author	Chung Khain Wye	( Universiti Kebangsaan Malaysia )
Co-author1	Yonglan Yan	( Guangzhou College of Technology and Business, China )
Co-author2	Hazrul Shahiri	( Faculty of Economics and Management, Universiti Kebangsaan Malaysia )

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**7 March 13:30-15:30**
**Venue C (321)**
**Finance, Monetary Policy**

Chair:	Kiyoshi Yonemoto	( Takasaki City University of Economics )
Title	Employee Engagement as the Mediator of Digital Transformation Adoption: An Extended UTAUT Model in the Laotian Banking Sector	
Author	Soulita Tiengmany	( Yamaguchi University )
Co-author1	Huu Phuc Nguyen	( Yamaguchi University )
Title	Bank-Based Technology Finance Services and Innovative Entrepreneurship	
Author	Hanzhao Fu	( Beijing Normal University )
Co-author1	Nan Zhao	( Beijing Normal University )
Co-author2	Liu Zhao	( Beijing Normal University )
Title	Policy Responses and Market Liquidity in Six Major Economies during Crises	
Author	Junhuan Zhang	( Graduate School of Economics, Ritsumeikan University )

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**7 March 13:30-15:30**
**Venue D (322)**
**Environment, Resource and Energy(4)**

Chair:	Ayu Washizu	( Waseda University )
Title	Does Education Stipend Program Steer Energy Ladder Pattern? The Case of Bangladesh	
Author	Md Ubaydullah	( Ritsumeikan University )
Title	THE RELATIONSHIP BETWEEN CORPORATE ENVIRONMENTAL ACTIVITIES AND FINANCIAL PERFORMANCE	
Author	Pham Thu Thao	( Ritsumeikan University )
Co-author1	Izumi Inasawa	( Ritsumeikan University BKC Campus )
Co-author2	Xuemei Shen	( Ritsumeikan University )
Title	China's Manufacturing Transfer to Vietnam: A Sectoral Input–Output Assessment (1995–2022)	
Author	Thi Ngoc Anh Phung	( Wuhan University )
Co-author1	Yongming Huang	( Wuhan University )

**Friday, March 6**

## **The Keynote Speaker**



### **Jinmyon Lee**

Senior Research Fellow,  
Korea Institute for Industrial Economics & Trade  
(KIET)

Dr. Jinmyon Lee is a Senior Research Fellow at the KIET and a leading expert in industrial economics and input–output analysis. With more than three decades of experience in policy-oriented research and academia, he has conducted extensive empirical studies on industrial structure and economy-wide spillover effects.

His research focuses on the use of input–output tables and multi-regional input–output (MRIO) models to analyze structural change, economic growth, and inter-industry linkages in trade and services. He has made significant contributions to the quantitative evaluation of industrial and macroeconomic policies through analysis of inter-industry and inter-regional linkages.

Dr. Lee has held senior research positions at major Korean policy research institutions, including the Korea Development Institute (KDI) and KIET, and has served as a visiting researcher and visiting professor in Japan and China. He has also played leading roles in academic communities and currently serves as an advisory member of the Input–Output Team at the Bank of Korea, as well as an editorial board member of the *Journal of Economic Structures*.

In his keynote address, Dr. Lee will discuss the evolution, compilation systems, and applications of various types of input–output tables in Korea, and present perspectives on future development directions of Korea’s input–output framework.



**International Conference on Economic Structures 2026 Tokyo  
International University, Japan, March 6-7, 2026**

**Organizing Committee**

**Chair:** TSUKUI Makiko, Tokyo International University, Japan  
MATSUMURA Atsuko, Tokyo International University, Japan  
KANO Sakugi, Okinawa International University, Japan  
ISHIRO Taku, Yokohama National University, Japan  
ISHIKAWA Yoshifumi, Nanzan University, Japan

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ICHIHASHI Masaru, Hiroshima University, Japan  
OKAMOTO Nobuhiro, Daito Bunka University, Japan  
KIM Jiyoun, Okayama University, Japan

Organized by the Pan Pacific Association of Input-Output Studies (PAPAIOS)

Contact: ICES\_PAPAIOS@ml.gakkai.ne.jp

Web site: <https://www.gakkai.ne.jp/papaios/en/conference.html>