

Tuesday, July 25						
18:00 - 20:00	Registration (3F)					
Wednesday morning, July 26						
8:00-8:50	Registration (3F)					
	Room 7 (3F: Crystal)					
9:00-9:10	Opening Speech: Hajime Inamura (Tohoku University, Japan)					
9:10-9:25	Welcome Speech by the President of PAPAIOS: Mitsuo Ezaki (Nagoya University, Japan)					
9:25-9:35	Welcome Speech by the President of Tohoku University: Takashi Yoshimoto					
9:35-9:45	Welcome Speech by the Mayor of Sendai City: Katsuhiko Umehara					
9:45-10:00	Plenary Speech by the President of IIOA: Faye Duchin (Rensselaer Polytechnic Institute, USA)					
10:00-10:30	Leontief Video from St. Petersburg: Masaaki Kuboniwa (Hitotsubashi University, Japan)					
	Coffee Break					
	Room 1 (1F:Rose)	Room 2 (1F: Pearl)	Room 3 (2F:Aoba)	Room 4 (2F: Hirose)	Room 5 (2F: Hanano-en)	Room 6 (5F: Cattleya)
11:00-12:30	<p>Session 1A: Environmental Accounting 1 Organizers and Chair: Ole G. Pedersen and Noritoshi Ariyoshi</p> <p>Sjoerd Schenau The Dutch energy accounts</p> <p>Noritoshi Ariyoshi The development of Japanese system for integrated environmental and economic accounting: Japanese SEEA and Japanese NAMEA</p> <p>Emilio Farid Matuk Castro Peru's population & housing censuses and environmental accounting</p>	<p>Session 1B: Environmental Impacts 1 Chair: Klaus Hubacek</p> <p>Carsten Nathani Materials use and induced energy demand: an input-output analysis</p> <p>Yue Wang and Xiao Li Environmental impact of the mobile communication industry in China</p> <p>Garry McDonald and Murray G. Patterson Lifecycle assessment of ecosystem services in the Auckland region economy</p>	<p>Session 1C: Policy Issues in CGE Models Chair: Antonio Manresa</p> <p>Shaun Ferguson Public and quasi-public expenditure and economic sustainability in the high-risk Palestinian economy</p> <p>Keshab Bhattarai Capital accumulation and growth: multisectoral analysis</p> <p>Taly Kanfi and Michael L. Lahr The effects of a rise in the minimum wage on labor market vacancies in New Jersey: a CGE analysis</p>	<p>Session 1D: Allocative Efficiency and Productivity Organizer and Chair: Thijs ten Raa</p> <p>Thijs ten Raa and Victoria Shestalova Alternative measures of total factor productivity growth</p> <p>Ngoc Q. Pham, Bui Trinh, and Thanh D. Nguyen Structural change and economic performance of Vietnam 1986-2000: evidence from the Vietnam input-output tables</p> <p>Thijs ten Raa The theory of benchmarking and the measurement of industrial organization</p>	<p>Session 1E: Tourism in Input-Output Analysis Organizer and Chair: Mikio Suga Raa</p> <p>Annemieke M. van de Steeg and Albert E. Steenge Surveys, tourism satellite accounts and input-output modeling: a comparative study of a small island economy (Aruba) and a big industrial nation (The Netherlands)</p> <p>Helmi Mkouar The compilation of Tunisia's tourism satellite accounts</p> <p>Satoshi Kondo, Takashi Ukon and Jiro Nemoto Measuring the economic impacts of the 2005 World Exposition, Aichi, Japan</p>	
	Conference Lunch (Room 7, Crystal)					

Wednesday afternoon, July 26						
	Room 1 (1F:Rose)	Room 2 (1F: Pearl)	Room 3 (2F:Aoba)	Room 4 (2F: Hirose)	Room 5 (2F: Hanano-en)	Room 6 (5F: Cattleya)
14:00-15:30	<p>Session 2A: Environmental Accounting 2 Organizers and Chair: Ole G. Pedersen and Noritoshi Ariyoshi</p> <p>Peter J. Stauvermann and Albert E. Steenge Input-output based environmental modeling and accounting: international discussions as reflected in developments in the Netherlands</p> <p>Anders Wadeskog Expanding the environmental accounts with social data – the Swedish experience</p> <p>Dabo Guan and Klaus Hubacek A hydro-economic accounting and analytical framework for water resource consumption in China</p>	<p>Session 2B: Environmental Impacts 2 Chair: Manfred Lenzen</p> <p>Jose A. Scaramucci and Marcelo P. Cunha Bioethanol as basis for regional development in Brazil: an input-output model with mixed technologies</p> <p>Giovanni Baiocchi, Jan Minx, John Barrett and Tommy Wiedmann The impact of social factors and consumer behavior on the environment – an input-output approach for the UK</p> <p>Takashi Homma, Shunsuke Mori, Keigo Akimoto, Toshimasa Tomoda and Yasuhiro Murota Evaluation of global warming mitigation policies considering changes in industrial structures and IT penetration</p>	<p>Session 2C: SAM and CGE-Modeling Organizer and Chair: Yuzuru Miyata</p> <p>Yuzuru Miyata and Hiroyuki Shibusawa Does a decrease in the population prevent a sustainable growth of a compact city? A comparison of cases of decreasing and increasing populations of Obihiro Metropolitan Area, Japan, by an intertemporal CGE-modeling approach</p> <p>Takayuki Hatano and Takaaki Okuda Water resource allocation in the Yellow River Basin, China, applying a CGE model</p> <p>Hiroyuki Shibusawa, Yoshiro Higano and Yuzuru Miyata Evaluating the regional economy and transportation networks in Japan: a dynamic interregional CGE modeling approach</p>	<p>Session 2D: Innovation and Input-Output Organizer and Chair: Pierre Mohnen</p> <p>Sadao Nagaoka Assessing the relatedness of corporate diversification of Japanese manufacturing firms</p> <p>Julio M. Rosa and Pierre Mohnen The structure and organization of networks for Canadian R&D performers</p> <p>Shandre M. Thangavelu and Mun Heng Toh Singapore Information Sector: A Study using Input-Output Tables</p>	<p>Session 2E: Asian Economic Integration Organizer: Tadashi Hayashi Chair: Takatoshi Watanabe</p> <p>Sungin Na Economic growth and carbon-dioxide emissions in the East Asian region</p> <p>Kiyoshi Fujikawa and Qingzhu Yin A quantitative analysis on free trade agreement using East Asia linked CGE model</p> <p>Jun-Ho Jeong and Jin-Myon Lee Identifying industrial clusters in Korea</p>	
Coffee Break						
16:00-17:30	<p>Session 3A: Input-Output Approaches to Waste and MFA Organizer and Chair: Shinichiro Nakamura</p> <p>Yuichi Moriguchi, Keisuke Nansai, Seiji Hashimoto, Shinsuke Murakami, Shigekazu Matsui and Shigesada Takagi Material flow of solid wastes and other residues described in physical input-output tables</p> <p>Shinichiro Nakamura and Kenichi Nakajima Toward physical waste IO and its relationship to MFA</p> <p>Kenichi Nakajima and Shinichiro Nakamura Application of waste input-output material flow analysis of metals: iron and steel material cycle in the Japanese economy</p>	<p>Session 3B: Supply and Use Tables and Input-Output Organizer and Chair: Joerg Beutel</p> <p>Liv Hobbelstad Simpson Compilation of supply and use tables in different countries - Norway, Eastern Europe, Africa</p> <p>Sake de Boer, Jan van Dalen, Taeke Takema and Piet Verbiest Supply and use tables: a multipurpose framework</p> <p>Axel Schaffer and Jan Minx Gender-specific input-output table for Germany</p>	<p>Session 3C: Multicountry Databases and Applications Chair: Shigemi Kagawa</p> <p>Satoshi Inomata, Nobuhiro Okamoto, Hiroshi Kuwamori and Bo Meng Introduction to the 2000 Asian International Input-output Table</p> <p>Wilairat Tongsiri and Hiroyuki Kosaka Analysis of Japan-Thailand free trade agreement using Asian international input-output model</p> <p>Norihiko Yamano and Colin Webb The OECD input-output database harmonised tables for international analyses, 2006 edition</p>	<p>Session 3D: Productivity Analysis and Growth Accounting Organizer and Chair: Marcel Timmer</p> <p>Dale W. Jorgenson, Mun S. Ho and Kevin J. Stiroh Growth of U.S. industries and investments in information technology and higher education</p> <p>Dale W. Jorgenson and Koji Nomura The industry origins of Japanese economic growth</p> <p>Robert Inklaar and Marcel Timmer Comparing productivity levels: a KLEMS approach using supply- and use tables</p>	<p>Session 3E: Describing and Visualizing Economic Structure Chair: Albert E. Steenge</p> <p>Umit Senesen Presentation of findings with the input-output model: some suggestions</p> <p>Kenjiro Uda An extended skyline analysis for international input-output table</p> <p>Fidel Aroche Structural desintegration, exports and growth. The important coefficients as indicators of the level of integration</p>	
18:00-20:00	Welcome Reception (Room 7, Crystal)					

Thursday morning, July 27

Room 7 (3F: Crystal)

9:00-9:45	Keynote Speech: Robert U. Ayres and Daniel Dias (INSEAD, France) Some thoughts on a hybrid materials-process input-output model at the firm level	Chair: Faye Duchin (Rensselaer Polytechnic Institute, USA)
9:45-10:30	Keynote Speech: Masahiro Kuroda (Economic and Social Research Institute, Government of Japan, Japan) TBA	Chair: Masahisa Fujita (Kyoto University, Japan)

Coffee Break

	Room 1 (1F:Rose)	Room 2 (1F: Pearl)	Room 3 (2F:Aoba)	Room 4 (2F: Hirose)	Room 5 (2F: Hanano-en)	Room 6 (5F: Cattleya)
11:00-12:30	<p>Session 4A: Environmental Aspects of Trade Organizer and Chair: Harry C. Wilting</p> <p>Kakali Mukhopadhyay Does pollution haven matter for Thailand?</p> <p>Umed Temurshoev Pollution haven hypothesis or factor endowment hypothesis: an empirical examination for the US and China</p> <p>Harry Wilting, Rutger Hoekstra and Sjoerd Schenau Trade and emissions: an empirical examination for the Netherlands</p>	<p>Session 4B: Waste Treatment and Recycling Chair: Yuichi Moriguchi</p> <p>Kazuyo Yokoyama and Shigemi Kagawa Relationship between economic growth and waste management: dynamic waste input-output approach</p> <p>Masaaki Fuse, Hiroshi Yagita and Atsushi Inaba Evaluation of automobile global recycling using input-output analysis</p> <p>Pongsun Bunditsakulchai, Hajime Inamura, Shigemi Kagawa and Masato Yamada Price-endogenized inter-industry approach with goods and bads</p>	<p>Session 4C: Economic Modeling of Disaster Impacts 1 Organizer and Chair: Yasuhide Okuyama</p> <p>Yoshifumi Ishikawa and Toshitaka Katada Analysis of the economic impacts of a natural disaster by using interregional input-output tables for the struck region: a case study of the 2000 Tokai flood in Japan</p> <p>Geoffrey J.D. Hewings The impact of hurricane Katrina on regional economic modeling</p> <p>Atsushi Koike, Taka Ueda and Mark Thissen Economic damage assessment of a catastrophe: shocks to physical and social capital in a spatial CGE analysis</p>	<p>Session 4D: Income Distribution and Inequality Organizer and Chair: Gülay Günlük-Senesen</p> <p>Myung-Jin Jun Economic impacts of Seoul's decentralization: building a metropolitan input-output model and its application</p> <p>Joaquim Guilhoto, Carlos Azzoni, Fernando Silveira, Tatiane Menezes, Marcos M. Hasegawa and Eduardo Haddad International price changes of agricultural commodities and their impacts on income distribution and poverty in Brazil</p>	<p>Session 4E: Decomposition Analyses Chair: Erik Dietzenbacher</p> <p>Socia Prihawantoro and Suhasil Nazara The contribution of technology in an economy: the decomposition of output differentials in 1995-2000 Indonesian IRSAM</p> <p>Paul de Boer Structural decomposition analysis and the index number problem: a proposed solution</p> <p>Maurizio Ciaschini, Rosita Pretaroli and Claudio Socci A "convenient" policy control through the macro multiplier approach</p>	

Conference Lunch (Room 7, Crystal)

Thursday afternoon, July 27

	Room 1 (1F:Rose)	Room 2 (1F: Pearl)	Room 3 (2F:Aoba)	Room 4 (2F: Hirose)	Room 5 (2F: Hanano-en)	Room 6 (5F: Cattleya)
14:00-15:30	<p>Session 5A: Physical Information in Input-Output Analysis: Accounting Framework Organizers and Chair: Helga Weisz and Sangwon Suh</p> <p>Jan Minx, Axel Schaffer, Carsten Stahmer and Heinrich Tschochohei New ways of integrated accounting – socio-economic input-output tables for Germany</p> <p>Garry McDonald, Murray Patterson and Megan Willcox Towards a physical input-output table of the New Zealand economy</p> <p>Manfred Lenzen Sustainability accounting for business – a new international software based on input-output tables</p>	<p>Session 5B: Enterprise Input-Output and Supply Chain Management Organizer and Chair: Vito Albino</p> <p>Lilian Cristina Anefalos, José Vicente Caixeta Filho and Joaquim José M. Guilhoto Input-output model for economic evaluation of the supply chain: the case of cut flowers exportation</p> <p>Vito Albino, Silvana Küntz and Antonio Messeni Petruzzelli Analysing logistics flows in industrial clusters using an enterprise input-output model</p> <p>Erik Dietzenbacher Transfer pricing in an enterprise input-output model</p>	<p>Session 5C: Economic Modeling of Disaster Impacts 2 Organizer and Chair: Yasuhide Okuyama</p> <p>Christopher W. Anderson, Joost R. Santos and Yacov Y. Haimes A risk-based input-output methodology for measuring the effects of the August 2003 Northeast blackout</p> <p>Albert E. Steenge and Marija Bočkarjova Thinking about imbalances and rigidities in post-catastrophe economies: an input-output based proposition</p> <p>Yasuhide Okuyama Sequential interindustry model and inventory function: sensitivity analysis</p>	<p>Session 5D: Agricultural Aspects Chair:</p> <p>Edoardo Pizzoli Economic sustainable development and agriculture in industrialized countries: an input-output scenario and a confrontation for the Italian case</p> <p>Evgenia Zakharova The Russian agricultural outlook for 1995-2001 using input-output tables</p> <p>Poonsri Sakhornrad Assessment of trade agreements of Thailand: income distribution perspective</p>	<p>Session 5E: Economic Theory and Input-Output Chair:</p> <p>Enrico Bellino Switching of techniques along the wage-profit frontier: a more general framework</p> <p>Amanar Akhabbar Leontief and Samuelson on the non-substitution theorem: some methodological remarks</p> <p>Hengqing Tong, Chuanmei Wang, Yu Chao and Pingxi Cai The optimal direction for adjusting industry structure</p>	<p>Session 5F: Miscellaneous Papers Rafael Bouchain Galicia and Fernando García Green A Proposal for the Calculation of the Private Consumption Using the Surveys of the Households: The Case of Mexico in 2003</p> <p>Armenak S. Gasparyan Matrix Network Models to Input-Output Systems</p> <p>Mizanur Rahman Sarker and Bai HU Productivity of Integrated Rice-Fish Farming of the Floodprone Ecosystems in Bangladesh</p> <p>Bertha Vallejo and Wladimir Raymond Manufacturing Productivity Analysis. A panel analysis to the Mexican Manufacturing Sector</p>
Coffee Break						
16:00-17:30	<p>Session 6A: Physical Information in Input-Output Analysis: Methodology Organizers and Chair: Helga Weisz and Sangwon Suh</p> <p>Sangwon Suh Make and use framework, imputation and physical information in input-output analysis: an allocation perspective</p> <p>Lucia Oetjen and Susanne Kytzia Using vintage models for material stocks in input-output economics: scenarios for the economic and ecological impact of the built environment</p> <p>James A. Lennox and Robbie Andrew Reforming water use rights in Canterbury: a shared responsibilities perspective</p>	<p>Session 6B: Sustainable Consumption Organizer and Chair: Ayu Washizu</p> <p>Satoshi Nakano, Ayu Washizu and Miki Shinozaki On the lifestyle appropriate for sustainable society: a simulation analysis using the demand function in LES and environmental input-output table</p> <p>Koji Takase, Yasushi Kondo and Ayu Washizu Environmental impacts of income and time use: evaluating alternative consumption "technologies" by the waste input-output model</p> <p>Keisuke Nansai, Shigemi Kagawa and Yuichi Moriguchi Proposing a new environmental indicator for consumption growth and technological changes: "eco-velocity"</p>	<p>Session 6C: Multi- and Inter-Regional Analyses Chair: Michael L Lahr</p> <p>Oliver Fritz, Erwin Kolleritsch and Gerhard Streicher Building a multiregional input-output table for Austria: compilation methods and results</p> <p>Bart Los and Jan Oosterhaven Structural change in intermediate, consumption and capital goods trade patterns during economic integration: the EU experience</p> <p>Takashi Morioka The economic effect of a local professional baseball team, Hiroshima Carp</p>	<p>Session 6D: Applications of the INFORUM approach Organizer and Chair: Toshiaki Hasegawa</p> <p>Mariusz Plich and Marcin Ponewczynski Estimation and testing a system of PCE equations for the Inforum-type model of the Polish economy</p> <p>Toshiaki Hasegawa How to create time series data of Japanese capital stock by sector – "cascaded leaky buckets" in the INFORUM approach</p> <p>Kenichi Shiraishi Influence of indirect tax change on domestic price by industry in the JIDEA dynamic model</p>	<p>Session 6E: Estimation and Updating Techniques Chair: Mun Heng Toh</p> <p>Carsten Nathani and Marcel Wickart Estimation of a Swiss input-output table from incomplete and uncertain data sources</p> <p>Manfred Lenzen, Richard Wood and Blanca Gallego RAS matrix balancing under conflicting information</p>	
18:00-21:00	Conference Dinner (Room 7, Crystal)					

Friday morning, July 28

	Room 1 (1F:Rose)	Room 2 (1F: Pearl)	Room 3 (2F:Aoba)	Room 4 (2F: Hirose)	Room 5 (2F: Hanano-en)	Room 6 (5F: Cattleya)
9:00-10:30	<p>Session 7A: Physical Information in Input-Output Analysis: Applications Organizers and Chair: Helga Weisz and Sangwon Suh</p> <p>Yasushi Kondo Waste input-output analysis: its accounting system, analytical models, and applications</p> <p>Stefan Zandl and Helga Weisz Input-output analysis and international trade. An Austrian case study to detect embodied energy and CO2</p> <p>Pablo Muñoz Jaramillo Trade, economic growth and environmental pressure in Chile: an input-output approach</p>	<p>Session 7B: Energy and Environment Organizer: Kiyoshi Fujikawa Chair: Tadashi Hayashi</p> <p>Yoonkyung Kim Transition of energy consumption structure in Korea, using 90-95-2000 link IO table for the analysis of energy and environment</p> <p>Kiyoshi Fujikawa, Yoshihisa Inada, Mitsuru Shimoda and Takatoshi Watanabe A comparative study on resource saving technology based on the OECD IO database</p> <p>Kazuhiko Ueta, Yoshihisa Inada, Kiyoshi Fujikawa, Sungin Na, Tadashi Hayashi, Mitsuru Shimoda and Akihisa Mori, Site location of CDM projects: an input-output analysis</p>	<p>Session 7C: Spatial CGE Models and Transportation Chair: Jan Oosterhaven</p> <p>Toshihiko Miyagi Evaluation of economic impacts from the accessibility-change by transportation investment: an SCGE modeling approach</p> <p>Makoto Mizutani, Kazuyuki Tsuchiya, Seiji Akiyoshi, Atsushi Koike and Yoshifumi Ishikawa International freight transport demand forecasting by SCGE model</p> <p>Cristela Goce-Dakila and Shoshi Mizokami A SAM-based general equilibrium model of the impact of impedance factor in transport on regional economies in the Philippines</p>	<p>Session 7D: Input-Output Economics for Analyzing Technology Spillovers Organizer and Chair: Bart Verspagen</p> <p>Bart Verspagen Assessing the technological potential of sectors in an input-output model of patent citations</p> <p>Esteban Fernández Vázquez and Bart Los The identification of technology spillovers: Keller revisited</p> <p>JoJo Jacob and Adam Szirmai International knowledge spillovers to developing countries: the case of Indonesia</p>	<p>Session 7E: Structural Change and Linkages Chair: Joaquim Guilhoto</p> <p>Suahasil Nazara Does size matter? Perspectives from Indonesian input-output tables by size</p> <p>Erik Dietzenbacher and Umed Temurshoev Ownership relations in the presence of cross-shareholding</p>	

Coffee Break

11:00-12:30	<p>Session 8A: Physical Information in Input-Output Analysis: Assessment Organizers and Chair: Helga Weisz and Sangwon Suh</p> <p>Helga Weisz Accounting for raw material equivalents of traded goods. A comparison of input-output approaches in physical, monetary, and mixed units</p> <p>Jan Minx, Giovanni Baiocchi, John Barrett and Tommy Wiedmann Let's get physical! About the relevance of physical information in an input-output format</p>	<p>Session 8B: Environmental Calculations in Multisectoral Models Organizer and Chair: Ferran Sancho</p> <p>Xavier Labandeira, José M. Labeaga and Miguel Rodríguez A macro and microeconomic integrated approach to assessing the effects of public policies</p> <p>Antonio Manresa and Ferran Sancho An applied general equilibrium analysis of a double dividend policy for the Spanish economy</p> <p>Jordi Roca and Mònica Serrano Income growth and atmospheric pollution in Spain: an input-output approach</p>	<p>Session 8C: Input-Output Modeling and Transportation Chair: Cristela Goce-Dakila</p> <p>Francis X. Mahady and Michael L. Lahr A production and market driven model for capturing transportation efficiencies</p> <p>Makoto Mizutani, Kotaro Maki, Kazuyuki Tsuchiya, Yoshifumi Ishikawa and Fumio Takuma A potential model of industrial location considering transportation costs</p> <p>Shuji Eguchi, Fuminao Okumura and Hajime Inamura An evaluation of financial support policies for container promotion comparing with its economic benefits/ tax revenues</p>	<p>Session 8D: Input-Output and Impact Analysis Organizer and Chair: Joerg Beutel</p> <p>Anita Wöfl The interaction between manufacturing and services and its role for productivity growth</p> <p>Gülşay Günlük-Senesen Accounting for arms in input-output and national income accounts</p> <p>Hongxia Zhang The effects of crude oil price fluctuations on the prices of other sectors and consumer price indices in China</p>	<p>Session 8E: World IO Models and Scenario Analysis Organizer and Chair: Norihisa Sakurai</p> <p>Faye Duchin Building Meso-Level Scenarios about Sustainable Development</p> <p>Kazushige Shimpo and Asako Okamura Input-output based world model and its database</p> <p>Norihiko Yamano, Satoshi Nakano, Asako Okamura and Masayuki Suzuki The Measurement of CO2 Embodiments in International Trade: Evidences with the OECD Input-Output Tables for the mid 1990s – early 2000s</p>	
12:30-13:30	Closing Ceremony and Farewell Reception (Room 7, Crystal)					

Saturday, July 29

Conference Tour