



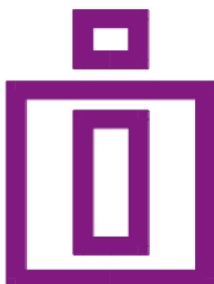
27th International
Input-Output
Association
Conference 2019
Glasgow, Scotland



27th IIOA Conference in GLASGOW, Scotland

CONFERENCE PROGRAM

30/Jun/2019 - 05/Jul/2019



International Input-Output Association
Vienna, AUSTRIA
www.iioa.org

PROGRAM OVERVIEW

Time	Mon, 01/Jul/2019	Tue, 02/Jul/2019	Wed, 03/Jul/2019	Thu, 04/Jul/2019	Fri, 05/Jul/2019					
08:00 - 08:30	Main Desk and Registration Open (all day)	Main Desk and Registration Open (all day)	Main Desk and Registration Open (all day)	Main Desk and Registration Open (all day)	Main Desk and Registration Open (until 13:30)					
08:30 - 09:00										
09:00 - 09:30	ISIOA Session 1	Opening Ceremony	Flash Session 1	Flash Session 2	Parallel Session 8					
09:30 - 10:00		Plenary Session - InspIO Talks Professor John Barrett and Michelle C. Nsanzumuco	Plenary Session Keynote Speaker Professor David Simpson	Plenary Session Keynote Speaker Dr Silke Stapel-Weber						
10:00 - 10:30										
10:30 - 11:00	Refreshment break	Refreshment break and Poster Exhibition	Refreshment break and Poster Exhibition	Refreshment break and Poster Exhibition	Refreshment break					
11:00 - 11:30	ISIOA Session 2	Parallel Session 1	Parallel Session 4	Leontief Prize Presentation	Parallel Session 9					
11:30 - 12:00				Panel Session on 'Sustainability, Input-Output and the Low (or zero) carbon transition'						
12:00 - 12:30										
12:30 - 13:00	Lunch break	Lunch break	Lunch Break	Lunch Break	Lunch break and closing ceremony					
13:00 - 13:30										
13:30 - 14:00	ISIOA Session 3	Parallel Session 2	Parallel Session 5	IIOA Annual General Assembly	Free time to explore Glasgow City and afar. Choice of one of four excursions organised.					
14:00 - 14:30										
14:30 - 15:00										
15:00 - 15:30	Refreshment break	Refreshment break and Poster Exhibition	Refreshment break and Poster Exhibition	Refreshment break						
15:30 - 16:00	ISIOA Session 4									
16:00 - 16:30	Parallel Session 3 - Development Programme	Parallel Session 6	Parallel Session 7							
16:30 - 17:00										
17:00 - 17:30	I-O Buddies	Economic Systems Research (ESR) Editorial Board Meeting (invitation only)								
17:30 - 18:00										
18:00 - 18:30										
18:30 - 19:00										
19:00 - 19:30	Welcome Civic Reception at City Chambers	Young Researcher's Night at Drygate	Optional Fringe Event: "Dinner with Legends" at Glasgow University	IIOA Conference Dinner and Gala Scottish Ceilidh at Old Fruitmarket						
19:30 - 20:00										
20:00 - 20:30										
20:30 - 21:00										
21:00 - 21:30										
21:30 - 22:00										
22:00 - 22:30										
22:30 - 23:00										

SESSION PLAN

Sun, 30/Jun/2019

- 09:30 - 18:00 *International Input- Output Association (IIOA) Annual Council Meeting (IIOA Council Members only)*
 Location: **Level 9 - Executive Room A**
- 18:00 - 20:00 *International School of Input-Output Analysis (ISIOA) Reception*
 Location: **TIC Foyer - Level 2**
 (IIOA Council Members, tutors and students)

Mon, 01/Jul/2019

- 08:00 - 09:00 *Main Desk and Registration Open (all day)*
 Location: **TIC Foyer - Level 2**
- 09:00 - 10:30 *ISIOA Session 1*
- 10:30 - 11:00 *Refreshment break*
 Location: **TIC Foyer - Level 3**
- 11:00 - 12:30 *ISIOA Session 2*
- 12:30 - 13:30 *Lunch break*
 Location: **TIC Foyer - Level 2 and 3**
- 13:30 - 15:00 *ISIOA Session 3*
- 15:00 - 15:30 *Refreshment break*
 Location: **TIC Foyer - Level 3**
- 15:30 - 17:00 *ISIOA Session 4*
- 17:00 - 18:00 *I-O Buddies*
 Location: **TIC Foyer - Level 2**
- 19:00 - 21:00 *Welcome Civic Reception at City Chambers*
 Hosted by The Rt Hon The Lord Provost of Glasgow

Tue, 02/Jul/2019

- 08:00 - 09:00 *Main Desk and Registration Open (all day)*
Location: **TIC Foyer - Level 2**
- 09:00 - 09:30 *Opening Ceremony*
Location: **TIC Main Auditorium**
- 09:30 - 10:30 *Plenary Session - InspIO Talks Professor John Barrett and Michelle C. Nsanzumuco*
Location: **TIC Main Auditorium**
- 10:30 - 11:00 *Refreshment break and Poster Exhibition*
Location: **TIC Foyer - Level 2 and 3**

11:00 - 12:30 Parallel Session 1

- Location: **Conference Room 1 (Level 3)**
Topic: **Using IO to Advance Investments in Efficiency, Resilience, and Sustainability**
Chair: Douglas S Thomas
 1. The Resilience Dividend in Cedar Rapids
by *Juan Francisco Fung*
 2. Engineering-level input-output modeling for low-carbon infrastructure planning
by *Sangwon SUH*
 3. Reliability of using Periodic IO Data to Identify High Return Investments in Efficiency and Environmental Sustainability: An Examination of US Manufactured Tech Products
by *Douglas S Thomas*
- Location: **Conference Room 2 (Level 3)**
Topic: **Firm Heterogeneity and Input-Output Analysis**
Chair: Jorge E. Zafrilla
 1. Degrees of separation and carbon embodied in China's supply chain networks in processing exports and normal production
by *Guadalupe Arce, Luis A. LOPEZ, Xuemei Jiang*
 2. Employment of China's Industry with Heterogeneity by Firm Size
by *Junrong Zhang*
 3. The Social Footprint U.S. Multinationals' Foreign Affiliates
by *Jorge E. Zafrilla, Ángela García-Alaminos, Mateo Ortiz, Guadalupe Arce*
- Location: **Conference Room 3 (Level 3)**
Topic: **Classical IO applications: Trade, Outsourcing and GVCs**
Chair: Rossella Bardazzi
 1. Decomposing Domestic Value Added of Final Products: New Evidence from the ADB-MRIO
by *Sheng Zhong*
 2. Impacts of Processing Trade on Productivity in Malaysia
by *Nik Rozelin bt Nik Ramzi Shah, M. Yusof SAARI, Muhammad Daaniyall Abd Rahman, Chakrin UTIT*
 3. The Global Value Chains Analysis of Trade on Across-Strait: NRCA and Production Length
by *LI-Chen Chou*
- Location: **Conference Room 4 (Level 3)**
Topic: **Construction and applications of the 2010 SAM for Zambia**
Chair: Ariel Luis Wirkierman
 1. Building a SAM for Zambia: from Green SUT to NAM and SAM
by *Iljen DEDEGKAJEVA, Massimiliano LA MARCA*
 2. Expansion of green industries in Zambia: Short and long-term effects
by *Massimiliano LA MARCA, Xiao JIANG*
 3. Household final energy use footprints in Zambia - lessons learned from quantitative studies
by *Marta Baltruszewicz*
- Location: **Conference Room 5 (Level 3)**
Topic: **Methodological aspects of input-output analysis**
Chair: Jan Oosterhaven
 1. An IO-based methodology for calculating the impact of final demand changes by demanded products at purchasers' prices
by *Ana Maria Dias*
 2. The Estimation of Import Consumption Dynamics in Input-Output Models
by *Liubov Strizhkova, Maria Selivanova, Liudmila Tishina*
 3. Some IO applications with complications
by *Jan Oosterhaven*

- Location: **Conference Room 6 (Level 3)**
 Topic: **Classical IO applications: Economic Structural Change and Dynamics**
 Chair: Anke M. MOENNIG
 1. Structural decomposition analysis for greenhouse gas emissions from the Construction sector in Australia
 by *He HE, Christian John Reynolds, John Boland*
 2. Impact on emissions, employment and the balance of trade of the decarbonization of the electricity production and transport in the EU. A MRIO multiplier-accelerator model.
 by *Óscar Dejuán, Mateo Ortiz, Ferran Portella-Carbo*
 3. Electromobility 2035 - Effects on the economy and employment through electrification of the powertrain of passenger cars
 by *Anke M. MOENNIG*
- Location: **Conference Room 7 (Level 3)**
 Topic: **IO modeling: Consumption-based accounting**
 Chair: Arunima MALIK
 1. Assessing consumption-based carbon emissions for the city of Bogota
 by *Enrique GILLES, Luis A. LOPEZ, Maria Angeles Cadarso, Mateo Ortiz*
 2. Value added-based carbon responsibility: added value as allocation criteria for GHG emissions in comparison to existing full and shared responsibility approaches
 by *Pablo Pinero, Martin BRUCKNER, Stefan Giljum, Hanspeter Wieland*
 3. Carbon accounting for households – a case study of a community's emissions
 by *Arunima MALIK, Manfred LENZEN, Joe Lane, Ka Leung Lam, Arne GESCHKE*
- Location: **Conference Room 8 (Level 3)**
 Topic: **Classical IO applications: Trade and GVCs**
 Chair: Jiansuo Pei
 1. Investigating double counting terms in the value-added decomposition of gross exports
 by *Ming Ye, Sebastien MIROUDOT*
 2. Unequal exchange in the European Union. The input-output analysis of trade between Spain and Germany
 by *Maria Angeles Gomez-Benitez*
 3. Exports diversity, income and global value chains: what's behind the current world performance?
 by *Sofía JIMÉNEZ, Rosa DUARTE, Julio Sánchez Chóliz*
- Location: **Level 1 Auditorium**
 Topic: **IO modeling: Computable General Equilibrium Modeling and Social Accounting Matrices**
 Chair: Karen Thierfelder
 1. Regional Trade and Economic Development: Options for Pakistan
 by *Muhammad Aamir KHAN*
 2. Development of SME-SAM for Analysis of Income Distribution in Malaysia
 by *M. Yusof SAARI, Chakrin UTIT*
 3. A New Global CGE Database
 by *Karen Thierfelder, Scott McDonald*
- Location: **Level 9 - Executive Room A**
 Topic: **Classical IO applications: Multiplier and Linkage Analysis**
 Chair: Manuel A. CARDENETE
 1. Identification of key sectors in greenhouse gas emissions for the Salvadoran economy: an application of the input-output analysis
 by *Meraris Carolina Lopez*
 2. Reducing food waste throughout Europe: economic impact measurement using budget-constrained expenditure multipliers
 by *Pilar CAMPOY-MUÑOZ, Manuel A. CARDENETE, María C. Delgado, Ferran Sancho*
 3. A new approach to measuring eco-efficiency in generalized IO models with application to the Polish economy in transition
 by *Łukasz Lach, Henryk Gurgul*
- Location: **Level 9 - Executive Room B**
 Topic: **SUT compilation issues relevant for users**
 Chair: Isabelle REMOND-TIEDREZ
 1. Challenges of input-output modelling for statisticians – with a focus on environmental applications
 by *Maike C. BOUWMEESTER*
 2. Converting the Belgian 2010 Interregional Supply and Use Table to ESA-2010 rules
 by *Bart M. J. VAN DEN CRUYCE, Bernhard MICHEL*
 3. How are Supply, Use and Input-Output Tables, the basis of our analyses, compiled?
 by *Pille DEFENSE-PALJOJARV*

12:30 - 14:00

Lunch break

Location: **TIC Foyer - Level 2 and 3**

14:00 - 15:30 Parallel Session 2• Location: **Auditorium A**Topic: **Classical IO applications: Industrial economics, Productivity and Efficiency**Chair: Hubert ESCAITH

1. Labour productivity in Hyper-Integrated Subsystems in Brazil: 2000-2016
by *José Bruno Fevereiro, Carlos Pinkusfeld Bastos*
2. Of Yeast and Mushrooms: A comparison between TFP growth and hyper-integrated labour productivity changes
by *Ariel Luis Wirkierman*
3. Structural changes in Russian agriculture and its impact on the economy
by *Dmitry Polzikov*

• Location: **Conference Room 1 (Level 3)**Topic: **Enterprise-related input-output analysis**Chair: Fernando Salgueiro Perobelli

1. Hospital Activities and Cost Matrices and their Models
by *Casiano A. Manrique de Lara Peñate, Luis Márquez Llabres, Pablo Alberto Maciuniak*
2. Structural Comparison of Small and Medium Enterprises in Malaysia and Thailand
by *Chakrin UTIT, Muhammad Daaniyall Abd Rahman, Umi Zakiah NORAZMAN, M. Yusof SAARI*
3. Participation in the Global Value Chains and Domestic Technology Change: Evidence from Japanese Patent-Firm-Matched Data
by *Keiko Ito*

• Location: **Conference Room 2 (Level 3)**Topic: **Structural Change and Economic Growth**Chair: Cuihong YANG

1. Extended Input-Output Model for Demographic Change – Preliminary Application to the Chinese Urbanisation
by *Nobuhiro Okamoto*
2. Consumption Pattern Change by Income Group and China's Economic Growth
by *Lingxiu ZHU, Cuihong YANG*
3. Demystifying the Contribution of Real Estate Sector in China Using the Input-Output Model
by *Yongming HUANG, JAMAL KHAN, JIANG ZELIN*

• Location: **Conference Room 3 (Level 3)**Topic: **Thematic IO analysis: Energy and Environment**Chair: Shigemi KAGAWA

1. Identifying Critical Supply Chain Paths and Key Sectors for Mitigating PM2.5 Mortality in India
by *Haruka Mitoma, Fumiya NAGASHIMA, Shigemi KAGAWA, Keisuke NANSAI*
2. Multisectoral analyses of industrial water use in Scotland: decomposition analyses, linkage measures and their policy relevance
by *Grant Jordan Allan, Scott J McGrane, Graeme Roy*
3. Drivers of Energy-Related CO2 Emission Changes in Indonesia: Structural Decomposition Analysis
by *Djoni Hartono, Sasmita Hastri Hastuti, Muhammad Handry Imansyah, Titi Muswati Putranti*

• Location: **Conference Room 4 (Level 3)**Topic: **Thematic IO analysis: Disaster and Adaptation**Chair: Adam Rose

1. Methodological considerations for estimating the total economic impacts of natural disasters for the agriculture industry
by *Christa Dean COURT*
2. Optimizing multi-regional production with economic-energy-environmental constraints in China
by *Ke Wang, Jiayu Wang*
3. Evaluating the Role of Resilience in Reducing Economic Losses from Disasters: A Multi-Regional Analysis of a Seaport Disruption
by *Adam Rose*

• Location: **Conference Room 5 (Level 3)**Topic: **IO Theory: Input-Output Price Model**Chair: Takashi YAGI

1. A Case of Existence and Non-existence of Trade Equilibrium in The Leontief Trade Model
by *Ujwala Sakharam Kamble*
2. Forecasting inflation using input-output model. Sources of errors.
by *Michał Przybyliński, Artur Gorzałczyński*
3. Global Cost Structure Analysis
by *Takashi YAGI*

- Location: **Conference Room 6 (Level 3)**
 Topic: **IO Theory: Input-Output Price Model**
 Chair: Tobias Heinrich Kronenberg
 1. Analysing Price Competitiveness in the European Single Market: A Decomposition of Inflation Differentials based on Leontief Input-Output Price models
 by *Bernhard Mahlberg, Andreas Eder, Wolfgang Koller*
 2. Income distribution effects of Value Added Tax reform in China
 by *YE ZUOYI, Kiyoshi FUJIKAWA*
 3. Price Transmission and Industrial Linkage: A theoretical explanation of inter-sectoral price transmission based on input-output coefficients
 by *Xu Jian, Xuemei ZHANG, Yang Yang GUO, Haoyang Zhao*
- Location: **Conference Room 7 (Level 3)**
 Topic: **IO Data: Annual, Regional, and Multiregional Input-Output Accounts and Intra- and International Trade**
 Chair: Richard WOOD
 1. The 3D GRAS balancing method: applications to multiregional input-output frameworks
 by *Juan Manuel Valderas Jaramillo, Alexis Bolivar Gonzalez*
 2. Better all together? Exploring the effects of alternative scenarios for integration in the European Union
 by *Lucía BOLEA, Rosa DUARTE, Julio Sánchez Chóliz*
 3. Multipliers on trade - estimating a simplified SNAC for the EU
 by *Richard WOOD*
- Location: **Conference Room 8 (Level 3)**
 Topic: **IO Theory: Advances in input-output theory**
 Chair: Anthony T. FLEGG
 1. Full probability density model for IOT and national accounts
 by *Oleg LUGOVOY*
 2. Transforming a Rectangular Input-Output Model into the Coordinates with Respect to Eigenbasis
 by *Vladimir MOTORIN*
 3. Testing a new approach to estimating interregional output multipliers using input-output data for South Korean regions
 by *Anthony T. FLEGG, Malte JAHN, Timo TOHMO*
- Location: **Level 1 Auditorium**
 Topic: **Better to deflate SUTs but ... how to do it well?**
 Chair: Isabelle REMOND-TIEDREZ
 1. Application of supply and use tables: centralized deflator compilation system Voltti for production indices
 by *Ville Lindroos*
 2. Deflating U.S. Supply-Use Tables
 by *Jiemin GUO, Thomas F Howells*
 3. The previous year's prices supply and use tables: Estonian experience
 by *Iljen DEDEGKAJEVA*
- Location: **Level 9 - Executive Room A**
 Topic: **Classical IO applications: Economic Structural Change and Dynamics**
 Chair: Joaquim J.M. GUILHOTO
 1. AN ANALYSIS OF FINANCIAL INTERMEDIATION IN SOUTH AFRICA: EVIDENCE FROM THE SUPPLY AND USE TABLES
 by *Rushil Manga, Kambale Kavese*
 2. Input-Output Linkages and Productivity Propagation
 by *Luis Daniel TORRES, Advait Rajagopal, Jangho Yang*
 3. Reshaping global production: knowledge-intensive activities as drivers of structural change in the post-2008 crisis
 by *Marianela SARABIA*
- Location: **Level 9 - Executive Room B**
 Topic: **Linking micro-data from consumption surveys and IO models: from theory to practice**
 Chair: Kurt KRATENA
 1. Mind the gap! The challenge of using consumption surveys to feed macroeconomic models
 by *Antonio F. AMORES*
 2. Bridge matrices for feeding macroeconomic models with consumption survey profiles for the EU-28 countries
 by *Ignacio Cazcarro, Antonio F. AMORES, Iñaki Arto, Kurt KRATENA*
 3. Using data from household surveys to calculate consumption impacts: why things can go wrong
 by *Esteban FERNANDEZ-VAZQUEZ, Mònica SERRANO, Antonio F. AMORES*
 4. Analysis of the distributional impacts of the Spanish climate and energy policy using a Dynamic-econometric IO model
 by *Iñaki Arto, Kurt KRATENA, Xaquín García-Muros, Ignacio Cazcarro*

15:30 - 16:00 Refreshment break and Poster Exhibition
Location: **TIC Foyer - Level 2 and 3**

16:00 - 17:30 Parallel Session 3 - Development Programme

- Location: **Auditorium A**
Topic: **DP1 Discussants: Joaquim Guilhoto, Anne Owen**
 1. The Entropy-based Chinese City-level MRIO Construction Framework
by HERAN ZHENG, Dabo Guan, Jing MENG, Johannes TÖBBEN, Daoping Wang
 2. Remapping embodied carbon emissions in China's exports
by Zengkai Zhang, Huiwen Liu, Jing MENG, HERAN ZHENG, Kunfu ZHU
- Location: **Conference Room 2 (Level 3)**
Topic: **DP2 Discussants: Peter McGregor, Jiemin Guo**
 1. Quantifying Skill and Ethnic Wage Inequality from Transpacific Partnership Agreement (TPPA): A Demand-side Analysis for Malaysia
by Muhammad Daaniyall Abd Rahman, M. Yusof SAARI, Arunima MALIK, Manfred LENZEN
 2. A Dynamic Comparative Study on the International Linkage of China's Economic Growth under the New and Old Normal Situation -- Based on WIOT Analysis
by Wan Wei, Jin FAN, Xiaohui YUAN
- Location: **Conference Room 3 (Level 3)**
Topic: **DP3 Discussants: Rossella Bardazzi, Doug Meade**
 1. Assessing the impact of large-scale community investments in Developing Countries: application of a Multi-regional Input-Output model to a case study in Congo
by Francesco - Tonini, Matteo Vincenzo Rocco
 2. Structural change and premature deindustrialization in the Democratic Republic of Congo in 1970-2013: An Input-Output Perspective
by Christian Samen OTCHIA
- Location: **Level 1 Auditorium**
Topic: **DP4 Discussants: Kirsten Wiebe, Shigemi Kagawa**
 1. Understanding Agriculture-Industry Inter-Linkages for Agrarian Development: Empirical Evidence from India
by Sahil Mehra
 2. Cross-border effects of climate change mitigation policies under different trade regimes
by Kirsten S. WIEBE, Moana SIMAS, Johannes TÖBBEN
- Location: **Level 9 - Executive Room B**
Topic: **DP5 Discussants: Satoshi Inomata, Fernando Perobelli**
 1. Drivers of Deindustrialisation in Internationally Fragmented Production Structures
by Erika Stracová, Martin Lábaj
 2. Mexican manufacturing and its integration into global value chains
by Juan Carlos Castillo

17:30 - 19:00 Economic Systems Research (ESR) Editorial Board Meeting (invitation only)
Location: **Level 9 - Executive Room A**

19:00 - 23:00 Young Researcher's Night at Drygate

Wed, 03/Jul/2019

- 08:00 - 09:00 *Main Desk and Registration Open (all day)*
Location: **TIC Foyer - Level 2**
- 09:00 - 09:30 *Flash Session 1*
Location: **TIC Main Auditorium**
- 09:30 - 10:30 *Plenary Session Keynote Speaker Professor David Simpson*
Location: **TIC Main Auditorium**
- 10:30 - 11:00 *Refreshment break and Poster Exhibition*
Location: **TIC Foyer - Level 2 and 3**

11:00 - 12:30 Parallel Session 4

- Location: **Conference Room 1 (Level 3)**
Topic: **IO Data: Development of input-output data and their analysis**
Chair: Maaïke C. BOUWMEESTER
 1. The Global Trade Analysis Project (GTAP) Data Base: Current Developments and Challenges
by Maksym G. Chepeliev, Angel H. AGUIAR, Erwin L. Corong, Robert Andrew McDougall, Dominique van der Mensbrugghe
 2. The Mexican single country E-SUT 2013, Methodology and results
by Jose Teran-Vargas, Rodolfo Augusto Ostolaza-Berman
 3. Modelling Inter-Regional Trade Flows: A new method based on Generalized Radiation Model and Multi-Regional GRAS Technique
by James Squibb
- Location: **Conference Room 2 (Level 3)**
Topic: **Issue in modelling international trade**
Chair: Douglas S. MEADE
 1. TARIFFS, EXCHANGE RATE AND PRICE ELASTICITIES IN INTERNATIONAL TRADE
by Rossella Bardazzi, Leonardo Ghezzi
 2. The Value-Added in Trilateral Trade among Mainland China, Taiwan and the United States: A Global Value Chain Approach
by LIN HSING-CHUN, Ching-Cheng Chang, Shih-Hsun Hsu
 3. Trade War!
by Douglas S. MEADE
- Location: **Conference Room 3 (Level 3)**
Topic: **Modelling the effects of Brexit I**
Chair: Richard Lewney
 1. Modelling the impact of Brexit using the E3ME macro-sectoral model
by Richard Lewney
 2. Using Dynamic General Equilibrium Models to Quantify the Macroeconomic Impact of Protectionist Trade Policies
by Joseph Bowlin Steinberg
- Location: **Conference Room 4 (Level 3)**
Topic: **Classical IO applications: Industrial economics, Productivity and Efficiency**
Chair: Hongxia ZHANG
 1. A comparison of Productivity Level among China, Japan, ROK and USA using international input-output tables
by Yanjuan DAI, Hiroshi IZUMI, LI LIU
 2. An Overview of the Optimal Input-Output Planning Model and Cross-Boundary Information System of Economic Management
by Ning KANG
 3. China's Growth Accounting
by Xuemei Shen, Masaaki KUBONIWA
- Location: **Conference Room 5 (Level 3)**
Topic: **Classical IO applications: Trade, Tables and Tools**
Chair: Antonio F. AMORES
 1. Multi-level Comparisons of Input-Output Tables using Cross-Entropy Indicators
by Muhammad Daaniyall Abd Rahman, Bart LOS, Anne OWEN, Manfred LENZEN
 2. Trade-SCAN: an user-friendly Trade Supply Chain ANALysis tool
by Antonio F. AMORES, Iñaki Arto, José M. RUEDA-CANTUCHE, Ignacio Cazcarro, Erik DIETZENBACHER, Miguel Perez, Maria Victoria ROMÁN

- Location: **Conference Room 6 (Level 3)**
 Topic: **IO Applications: Structural change, trade and dynamics**
 Chair: Takashi YAGI
 1. Economic Transformation of Japan, 1885-2015: Supply Side Approach
by *Kakali MUKHOPADHYAY, Partha Pratim Ghosh*
 2. Measuring the impact of outward direct investment on home country's employment: The case of China's ODI to the US
by *Qingyan Jiang*
 3. Textile and Apparel Employment, Trade and Economic Development in Pakistan
by *Khansa NAEEM, Muhammad Aamir KHAN*
- Location: **Conference Room 7 (Level 3)**
 Topic: **IO modeling: Consumption-based accounting**
 Chair: Norihiko YAMANO
 1. A global stocktake of energy use in food systems
by *Paul Behrens, Arkaitz Usabiaga*
 2. Projections of consumption-based emissions for the EU and globally
by *Hector B. POLLITT, Eva S. ALEXANDRI*
 3. ESTIMATING CARBON EMISSIONS EMBODIED IN FINAL DEMAND AND INTERNATIONAL GROSS TRADE USING THE OECD ICIO 2018
by *Norihiko YAMANO, Joaquim J.M. GUILHOTO*
- Location: **Conference Room 8 (Level 3)**
 Topic: **Classical IO applications: Industrial economics, Productivity and Efficiency**
 Chair: An VERCALSTEREN
 1. Demographic and income heterogeneity household Input-Output model: consumer behavior in a transition economy
by *Kwang Moon Kim, Norihiko YAMANO, Bui Trinh*
 2. Developing a consumer demand model with feedback mechanisms by combining input-output analysis and agent-based modeling to estimate future demand and environmental impacts
by *Eivind Lekve Bjelle, Kirsten S. WIEBE, Richard WOOD*
 3. A detailed regional household carbon footprint analysis using expenditure accounts
by *An VERCALSTEREN, Koen Breemers, Maarten Christis*
- Location: **Level 1 Auditorium**
 Topic: **Thematic IO analysis: Energy and Environment**
 Chair: Ortzi Akizu Gardoki
 1. Extending MRIO analysis of energy technologies with dependence and governance aspects
by *Ana Rosa Gamarra, Natalia Caldes Gomez, Gonzalo Escribano, Johan Lilliestam, Lara Lázaro Touza, Yolanda LECHON*
 2. Assessing the Energy, CO2 and Value Added Flows Embodied in the International Trade of BRICS - Based on a MRIO Model
by *Zhonghua Zhang*
 3. Measuring energy footprint in bottom-up energy transitions in the Basque Country
by *Ortzi Akizu Gardoki, Estitxu Villamor*
- Location: **Level 9 - Executive Room A**
 Topic: **Thematic IO analysis: Social and Socio-Economic Analysis**
 Chair: Michael L. LAHR
 1. Applying input-output analysis for assessing socioeconomic effects of different technological configurations of straw recovery for electricity production
by *Alexandre Monteiro Souza, Marcos D.B. Watanabe, Terezinha de Fátima Cardoso, Tassia Lopes Junqueira, Marcelo Pereira da Cunha, Antonio Bonomi*
 2. Investments in wind energy in the State of Bahia: an analysis using input-output indicators
by *Carolina SILVA RIBEIRO, Gilca Garcia de Oliveira, Roberto Maximiano Pereira*
 3. Students commuting choices: Carbon footprint and environmental identity
by *Nuria Gomez, Pablo Olivos*
- Location: **Level 9 - Executive Room B**
 Topic: **Gender issues in IO models (I)**
 Chair: Mònica SERRANO
 1. Economic structure and gender inequality: a global perspective
by *Cristina Sarasa, Rosa DUARTE, Mònica SERRANO*
 2. Questioning the Trade-off between gender disparity and industry output
by *Francesca SEVERINI, Maurizio CIASCHINI, Rosita PRETAROLI, Claudio SOCCI*
 3. Economic crisis and gender polarization in Europe? Insights from a MRIO
by *Rosa DUARTE, Cristina Sarasa, Mònica SERRANO*

12:30 - 14:00 *Lunch Break*
Location: **TIC Foyer - Level 2 and 3**

14:00 - 15:30 Parallel Session 5

- Location: **Auditorium A**
Topic: **IO modeling: Computable General Equilibrium Modeling and Social Accounting Matrices**
Chair: Peter McGregor
 1. On the Numerical Structure of Local and Nationwide Government Spending Multipliers: What Can We Learn from the Greek Crisis?
by *Vinicius A. VALE, Natalia Quiroga Cotarelli, Eduardo Amaral Haddad*
 2. Incorporating Natural Capital into A Computable General Equilibrium Model for Scotland
by *Kevin Connolly, Grant Jordan Allan, David Comerford, Peter McGregor*
 3. The Macroeconomic Consequences of Regional Fiscal Decentralisation
by *Peter McGregor, Katerina Lisenkova, Graeme Roy, Kim Swales*
- Location: **Conference Room 1 (Level 3)**
Topic: **Classical IO applications: Trade and GVCs**
Chair: Johannes TÖBBEN
 1. Absolute cost advantage and sectoral competitiveness: Empirical evidence from NAFTA and the European Union
by *Fahd Boundi*
 2. NAFTA EFFECTS ON CANADA, MEXICO AND THE UNITED STATES: A MULTIREGIONAL INPUT-OUTPUT ANALYSIS II
by *Pablo RUIZ NAPOLES, Eduardo MORENO REYES*
 3. Should High Ratio of Domestic Value Added to Gross Exports be an Objective of Policy?—Based on China's Provincial Level Data
by *Hong Mei ZHANG, Shantong LI, Jianwu HE, Lingxiu ZHU*
- Location: **Conference Room 2 (Level 3)**
Topic: **Thematic IO analysis: Energy and Environment**
Chair: Karen Turner
 1. Beyond Carbon Leakage: Off-Shoring of Employment and GDP in Decarbonizing International Supply Chains
by *Karen Turner, Frans P de Vries, Antonios Katris*
 2. Is Central and Eastern Europe a pollution haven within the EU? A MRIO-panel data approach
by *Ana Serrano, Rosa DUARTE*
 3. The future of energy intensive industries in Europe after the Paris agreement
by *Mattia Cai, Antonio F. AMORES, José M. RUEDA-CANTUCHE*
- Location: **Conference Room 3 (Level 3)**
Topic: **Modelling the effects of Brexit II**
Chair: Maria C. Latorre
 1. Economic Analysis of Multinationals Firms in the UK after Brexit
by *Gabriela Ortiz Valverde, Maria C. Latorre*
 2. Estimating the Trade and Welfare Effects of Brexit
by *Harald Oberhofer*
 3. Foreign multinationals in services sectors: A general equilibrium analysis of Brexit
by *Maria C. Latorre, Zoryana Olekseyuk, Hidemichi Yonezawa*
- Location: **Conference Room 4 (Level 3)**
Topic: **IO's role in covering environmental policy needs**
Chair: Evelien Dils
 1. How can an input-output model support local environmental policy? Opportunities, limitations and challenges
by *Willem Raes*
 2. Input-Output analysis and the richness of environmental applications: A researcher's perspective
by *Koen Breemersch, Maarten Christis, Evelien Dils, An VERCALSTEREN*
 3. Extending the input-output framework to calculate household energy service demands: a UK case study
by *Joseph Lawley, John Barrett, Anne OWEN*
- Location: **Conference Room 5 (Level 3)**
Topic: **Thematic IO analysis: Sustainable Development Goals / Developing countries**
Chair: Kirsten S. WIEBE
 1. Carbon and Water Supply Chain in Urban Sustainability for North China Urban Agglomeration
by *HERAN ZHENG, Dabo Guan, Jing MENG, Zhifu Mi*
 2. The importance of input-output analysis in the Beyond-GDP/SDG process
by *Rutger HOEKSTRA*
 3. The Paris Agreement and its effect on labor markets in Latin America and the Caribbean
by *Kirsten S. WIEBE, Johannes TÖBBEN*

- Location: **Conference Room 6 (Level 3)**
 Topic: **Thematic IO analysis: Industrial Ecology**
 Chair: Sangwon SUH
 1. Hybridising Multi-Regional Input-Output and Life Cycle Assessment models using the Maximum Entropy principle.
 by *Arthur Jakobs, Stefan Pauliuk*
 2. New method to build a PIOT without disposals to nature by merging data from a MIOT and from natural resource primary inputs: the brazilian copper PIOT case.
 by *Aleix ALTIMIRAS-MARTIN*
 3. Unravelling drivers of global land use change
 by *Ignacio Cazcarro, Iñaki Arto, Eneko Garmendia, Itxaso Ruiz, Maria J. Sanz*
- Location: **Conference Room 7 (Level 3)**
 Topic: **Classical IO applications: Industrial economics, Productivity and Efficiency**
 Chair: Hongxia ZHANG
 1. Global Value Chains and Employment in the Mining Sector
 by *Beatriz Georgina Calzada Olvera*
 2. What Makes It Important? The Role of Real Estate Sector in Economy and Its Determinants
 by *Xiuting Li, Jichang Dong, Jing HE, Shuqin Liu, Fan Liu*
- Location: **Conference Room 8 (Level 3)**
 Topic: **Methodological aspects of input-output analysis**
 Chair: Yasushi KONDO
 1. Evaluating uncertainties in WIOD data base
 by *Oleg LUGOVOY, Andrey POLBIN, Vladimir POTASHNIKOV*
 2. Structural Similarity Analysis based on the Network Characteristics of Sectors
 by *Tesshu Hanaka, Keiichiro Kanemoto, Shigemi KAGAWA*
 3. Uncertainty Analysis with Consideration of Correlation between the Elements of Input-Output Table
 by *Yasushi KONDO, Jian Jin*
- Location: **Level 1 Auditorium**
 Topic: **Want to know more about how the EU FIGARO ICIO tables were made?**
 Chair: José M. RUEDA-CANTUCHE
 1. Traceability of the assumptions made in the construction of the EU inter-country supply, use and input-output tables
 by *José M. RUEDA-CANTUCHE, AGUSTIN VELAZQUEZ-AFONSO, Isabelle REMOND-TIEDREZ*
 2. Reducing discrepancies in the construction of inter-country use tables
 by *Juan Manuel Valderas Jaramillo, José M. RUEDA-CANTUCHE, Nadim AHMAD*
 3. The Eurostat's balanced view of trade in services
 by *Isabelle REMOND-TIEDREZ, Juan Manuel Valderas Jaramillo*
- Location: **Level 9 - Executive Room A**
 Topic: **Addressing Strategic Challenges of the 21st Century: Deepening the Collaboration between Input-Output Economists and Industrial Ecologists**
 Chair: Faye Duchin
 1. Economic Accounting of Water Use and Wastewater generation in India
 by *Kakali MUKHOPADHYAY, Partha Pratim Ghosh, PAUL J. THOMASSIN*
 2. Options for Water Distribution and Wastewater Treatment in Mexico City
 by *Carlos Andres Lopez-Morales*
 3. Human Migration in a Globalized Economy: Groundwork for Analyzing Alternative Scenarios
 by *Faye Duchin*
- Location: **Level 9 - Executive Room B**
 Topic: **Gender issues in IO models (II)**
 Chair: Rosa DUARTE
 1. EVALUATING THE VAW INDUCED MISALLOCATION IN THE MACROECONOMIC FRAMEWORK
 by *Clio CIASCHINI, Francesco Maria Chelli*
 2. Who pollutes more? Gender differences in consumptions patterns
 by *Mònica SERRANO, Francisca TORO, Montserrat Guillén*
 3. Sectoral effects of discrimination on labour input allocation
 by *Yolanda Pena-Boquete*

15:30 - 16:00 Refreshment break and Poster Exhibition
 Location: **TIC Foyer - Level 2 and 3**

16:00 - 17:30 Parallel Session 6

- Location: **Auditorium A**
 Topic: **Thematic IO analysis: Sustainable Production, Consumption, Technology and Innovation**
 Chair: Gerhard STREICHER
 1. Environmental and economic impacts of Brexit in the consumption of vegetables and fruits in RU
 by *Maria A. Tobarra-Gomez, Luis A. LOPEZ, Andre Carrascal Incera, Raquel ORTEGA ARGILES*
 2. INTER-REGIONAL INPUT-OUTPUT MODEL FOR THE ECONOMIC EVALUATION OF CLIMATIC PHENOMENA IN CEREAL SUPPLY
 by *Rodrigo da Rocha Gonçalves, Cassius Rocha Oliveira*
 3. Rebound effects in the bio-based Economy
 by *Gerhard STREICHER, Mathias Kirchner*
- Location: **Conference Room 1 (Level 3)**
 Topic: **Input-output and sectoral macro-econometric modelling: Part of the same family**
 Chair: Hector B. POLLITT
 1. Extending a standard accounting framework to account for non-linear technological change
 by *Jean-Francois A Mercure, Hector B. POLLITT, Richard Lewney*
 2. From input-output to macro-econometric model
 by *Richard Lewney, Jean-Francois A Mercure, Hector B. POLLITT*
 3. Conceptual differences between macro-econometric and CGE models
 by *Hector B. POLLITT*
- Location: **Conference Room 2 (Level 3)**
 Topic: **Planetary Boundaries and IOA**
 Chair: Harry C. Wilting
 1. Meeting the Paris Agreement and Supporting Sustainability - quantifying synergies and trade-offs
 by *Anett GROSSMANN, Martin Distelkamp, Mark Meyer*
 2. Towards meaningful consumption-based planetary boundary indicators: The phosphorus exceedance footprint
 by *Mo Li, Thomas O. WIEDMANN*
 3. Allocating planetary boundaries to large economies: implications of different perspectives on distributive fairness and comparisons with current environmental footprints
 by *Harry C. Wilting, Andries Hof, Paul Lucas, Detlef Van Vuuren*
- Location: **Conference Room 4 (Level 3)**
 Topic: **Modelling Carbon Footprints in the MRIO and CGE frameworks**
 Chair: Nino Javakhishvili-Larsen
 1. Assessment of Regional disparities in India: survey-based regional input-output vs a regionalised location quotient based input-output model
 by *Bhanumati P, Kakali MUKHOPADHYAY*
 2. Regional production and consumption emissions associated with the Danish livestock products – a CGE multi-regional input-output approach
 by *Albert Kwame Osei-Owusu, Nino Javakhishvili-Larsen*
 3. Developing Economic – Environmental Hybrid IO-CGE model for the Danish municipalities
 by *Nino Javakhishvili-Larsen, Albert Kwame Osei-Owusu*
- Location: **Conference Room 5 (Level 3)**
 Topic: **Global Flow of Funds Data and its Applications**
 Chair: Jiyoung KIM
 1. Trade Integration and income inequality in Brazil: a general Equilibrium approach
 by *Fernando Salgueiro Perobelli, Edson Paulo Domingues, Vinicius A. VALE*
 2. Recent Brazilian economic default were originated from real or financial issues?
 by *Erika BURKOWSKI, Jiyoung KIM*
 3. Development of U.S.-East Asia Financial Input-Output Table
 by *Jiyoung KIM, Satoru HAGINO*
- Location: **Conference Room 6 (Level 3)**
 Topic: **China's (Inter)provincial Input- Output Tables: Applications and Advances**
 Chair: Jiansuo Pei
 1. Carbon Emissions in GVC and Pollution Haven Hypothesis
 by *Yan XIA*
 2. Formerly Assembled, But Now Designed in China? Assessing the Domestic Value-Added of Activities in Gross Exports
 by *Quanrun Chen, Gaaitzen DE VRIES, Yuning Gao, Jiansuo Pei, Fei WANG*
 3. Misallocation and China's regional disparity: Theory and evidence
 by *Jiansuo Pei*

- Location: **Conference Room 7 (Level 3)**
 Topic: **Socio-economic impact modelling in the UK: Building a new model in uncertain times**
 Chair: Andre Carrascal Incera
 1. On the estimation procedure of the new I-O UK regional model: SEIM-UK
 by *Andre Carrascal Incera, Raquel ORTEGA ARGILES, Diana Gutierrez Posada, Geoffrey J.D. HEWINGS, Tasos Kitsos, Kurt KRATENA, Deniz Sevinc*
 2. Regional price spillovers in the UK: The impact of an increase in import prices from the EU
 by *Andre Carrascal Incera, Raquel ORTEGA ARGILES, Kurt KRATENA*
 3. UK regional urbanization patterns and their economic consequences
 by *Andre Carrascal Incera, Diana Gutierrez Posada, Stephan Weiler*
- Location: **Conference Room 8 (Level 3)**
 Topic: **IO modeling: Econometric, CGE and SAM modelling**
 Chair: Christa Dean COURT
 1. FLAT TAX REFORM AND HOUSEHOLDS' DISPOSABLE INCOME IN ITALY: A DYNAMIC SAM-BASED CGE MODEL
 by *Silvia DAndrea, Stefano Deriu, Rosita PRETAROLI, Francesca SEVERINI, Claudio SOCCI*
 2. Winners and Losers in a Knowledge-based Economy: Investigating the Policy Packages for an Inclusive Growth based on a Computable General Equilibrium analysis of Korea
 by *Yeongjun Yeo*
- Location: **Level 1 Auditorium**
 Topic: **Thematic IO analysis: Energy and Environment**
 Chair: Christian Lutz
 1. Assessment of the sustainability of Mexico green investments in the road to Paris
 by *Santacruz Banacloche Sánchez, Maria Angeles Cadarso, Yolanda LECHON, Fabio MONSALVE*
 2. Global Fossil-fuel Subsidies and Emission Externalities: Inclusive Approaches to Welfare Assessment
 by *Maksym G. Chepeliev, Dominique van der Mensbrugghe*
 3. Macroeconomic effects of energy transition
 by *Christian Lutz, Markus Flaute, Ulrike Lehr*
- Location: **Level 9 - Executive Room A**
 Topic: **Thematic IO analysis: Social and Socio-Economic Analysis (on Migration)**
 Chair: Faye Duchin
 1. Accounting for Global Migrant Remittances Flows
 by *Joao Pedro FERREIRA, Michael L. LAHR, Pedro N. RAMOS, Eduardo Anselmo Castro*
 2. Migration and Employability Indicators: A Structural Analysis
 by *Maria Socrates Markaki, Athena Belegri-Roboli, Panayotis G. Michaelides, Konstantinos N Konstantakis, Theocharis Marinos*
- Location: **Level 9 - Executive Room B**
 Topic: **New techniques, constructions and applications of Social Accounting Matrices**
 Chair: Anne OWEN
 1. Estimating Induced Effects in IO Impact Analysis: Variation in the Methods for Calculating the Type II Leontief Multipliers
 by *Andrew G Ross, Tobias Emonts-Holley, Kim Swales*
 2. The Inter-Regional Impact of a Balanced Budget Regional Fiscal Expansion: No Detriment, No Danger
 by *Kim Swales*
 3. Rethinking the Social Accounting Matrix Structure for Household Footprints
 by *Anne OWEN*

19:00 - 21:30 *Optional Fringe Event: "Dinner with Legends" at Glasgow University
 (not included in the Conference Registration fee)*

Thu, 04/Jul/2019

08:00 - 09:00	<i>Main Desk and Registration Open (all day)</i> Location: TIC Foyer - Level 2
09:00 - 09:30	<i>Flash Session 2</i> Location: TIC Main Auditorium
09:30 - 10:30	<i>Plenary Session Keynote Speaker Dr Silke Stapel-Weber</i> Location: TIC Main Auditorium
10:30 - 11:00	<i>Refreshment break and Poster Exhibition</i> Location: TIC Foyer - Level 2 and 3
11:00 - 11:30	<i>Leontief Prize Presentation</i> Location: TIC Main Auditorium
11:30 - 12:30	<i>Panel Session on 'Sustainability, Input-Output and the Low (or zero) carbon transition'</i> Location: TIC Main Auditorium
12:30 - 14:00	<i>Lunch Break</i> Location: TIC Foyer - Level 2 and 3
14:00 - 15:30	<i>IIOA Annual General Assembly</i> Location: TIC Main Auditorium
15:30 - 16:00	<i>Refreshment break</i> Location: TIC Foyer - Level 2 and 3

16:00 - 17:30 Parallel Session 7

- Location: **Conference Room 1 (Level 3)**
Topic: **IO Data: IO and micro data**
Chair: Michael L. LAHR
 1. An Framework Based on Input-output Model for Warning of Overcapacity
by *Ji Kangxian, Jing He, Xu Jian*
 2. From Supply and Use Tables to Social Accounting Matrices for India: A Synthesis of Methodologies
by *Anuradha Venkatesh, Barun Deb Pal*
 3. Poverty and the functional distribution of income: in pursuit of strategies for inclusive growth
by *Kenia B. DE SOUZA, Tânia Moreira Alberti*
- Location: **Conference Room 2 (Level 3)**
Topic: **Multi Regional Input-Output (MRIO) Models Using Industrial Ecology Virtual Laboratory: Development of Regional IE Lab models and Applications**
Chair: Ka Leung Lam
 1. Demand-driven GHG emissions of Swedish regions: 2008-2016
by *Futu FATURAY, Mårten Berglund, Arne GESCHKE, Manfred LENZEN*
 2. The carbon footprint of desalination
by *Michael Heihsel, Manfred LENZEN, Arunima MALIK, Arne GESCHKE*
 3. Developing an energy satellite for an MRIO virtual laboratory
by *Ka Leung Lam, Peter Leonard Daniels*
 4. Multiregional economic impacts of renewable energy adoption in the United States using Industrial Ecology Virtual Laboratory
by *Venkata Sai Gargeya Vunnava, Futu FATURAY, Manfred LENZEN, Shweta Singh*
- Location: **Conference Room 3 (Level 3)**
Topic: **Globalisation and some effects on SUT compilation relevant for users**
Chair: Pedro MARTINS FERREIRA
 1. Compilation of foreign trade data having regard to the impact of globalisation in Hungarian SUT
by *Forgon Mária, Eva Varga*
 2. Extended Supply-and-Use Tables for Belgium: where do we stand? An overview of achievements and outstanding issues
by *Bernhard MICHEL, Caroline Hambÿe, Bart HERTVELDT*
 3. International Competitiveness in EU based on balanced domestic trade estimates
by *Pedro MARTINS FERREIRA*
- Location: **Conference Room 4 (Level 3)**
Topic: **IO Data: Annual, Regional, and Multiregional Input-Output Accounts and intra- and international Trade**
Chair: Norbert Rainer
 1. Reconfiguring RECONS Regional IO Models as Multi-Regional IO Models
by *Wen-Huei CHANG, Gregory Alward, Yue Cui*
 2. The Compilation Method of 2012 China's Multi-regional Input-output Model
by *Jianqin YUAN, Jifeng Li, Yaxiong ZHANG*
 3. Constructing a China's provincial multi-year Multi-Regional Input-Output database
by *Chen Pan*

- Location: **Conference Room 5 (Level 3)**
 Topic: **IO modeling: Computable General Equilibrium Modeling and Social Accounting Matrices**
 Chair: Alfredo J. MAINAR CAUSAPÉ
 1. IMPACTS OF AGRI-FOOD POLICY ON ECONOMY AND WATER ENVIRONMENT: THE CASE OF EXTREMADURA, SPAIN.
 by *Alberto Franco Solís, Xueqin Zhu*
 2. Integrating natural capital into CGE modelling
 by *Yang Qu, Melanie Clare Austen, Tara Hooper, Eleni Papathanasopoulou, Xiaoyu Yan*
 3. Structural analysis of Bio-economy sectors in the European Union: the BioSAMs
 by *Alfredo J. MAINAR CAUSAPÉ, George Philippidis, Ana Isabel Sanjuán López*
- Location: **Conference Room 6 (Level 3)**
 Topic: **Thematic IO analysis: Transport & Policy Analysis &**
 Chair: Shigemi KAGAWA
 1. A Lifecycle Analysis of the Corporate Average Fuel Economy Standards in Japan
 by *Mitsuki KANEKO, Shigemi KAGAWA*
 2. Estimation of Vehicle Lifetime in the Used Car Market
 by *Izumi Uchida, Yuya NAKAMOTO, Shigemi KAGAWA*
 3. Spatial Structural Decomposition Analysis with a Focus on Product Lifetime
 by *Yuya NAKAMOTO*
- Location: **Conference Room 7 (Level 3)**
 Topic: **IO modeling: Consumption-based accounting**
 Chair: Erik DIETZENBACHER
 1. A hidden environmental burden: including capital in the material footprint of final consumption
 by *Carl-Johan H. SÖDERSTEN, Richard WOOD, Thomas O. WIEDMANN*
 2. Carbon Footprints at the Regional Level and Why They Matter
 by *Tobias Heinrich Kronenberg, Johannes TÖBBEN*
 3. A shortcut to footprint calculations
 by *Erik DIETZENBACHER, Hongxia ZHANG*
- Location: **Conference Room 8 (Level 3)**
 Topic: **E3-India initiative- Regional solutions for economy and environment**
 Chair: Kakali MUKHOPADHYAY
 1. Estimating welfare Impacts of de-facto and de-jure state transfers towards financial inclusion across Indian households
 by *Partha Pratim Ghosh, Kakali MUKHOPADHYAY*
 2. Introduction to the E3-India model
 by *Unnada Chewpreecha, Hector B. POLLITT*
 3. Mapping effectiveness of Indian COP24 commitments towards low carbon climate resilient sustainable growth trajectory for India
 by *Surabhi R. JOSHI, Kakali MUKHOPADHYAY*
- Location: **Level 1 Auditorium**
 Topic: **Classical IO applications: Trade and GVCs**
 Chair: Norihiko YAMANO
 1. Revisiting the Natural Resource "Curse" in the context of trade in value added: Enclave or high-development backward linkages?
 by *Filippo Bontadini, Maria Savona*
 2. The Effects of Automation on Reshoring Activities
 by *Viktória Švardová, Martin Lábaj*
 3. The EU Regions Integration in Global Value Chains
 by *Giovanni MANDRAS, Patrizio Lecca*
- Location: **Level 9 - Executive Room A**
 Topic: **Classical IO applications: Multiplier and Linkage Analysis**
 Chair: Satoshi INOMATA
 1. Induced subnational government expenditures in an Input-Output framework: a first assessment
 by *Fabício Pitombo Leite*
 2. Keynesian multiplier and limits to the accumulation: an Input-Output analysis
 by *Armando Andrés Álvarez, Juan José López*
 3. The role of network linkages in the propagation of asymmetric shocks in the European Monetary Union
 by *Koen Breemersch*

- Location: **Level 9 - Executive Room B**

Topic: **Demographic Shifts and Economic Modelling**

Chair: Rossella Bardazzi

1. Abstract for INFORUM Organised Session (Demographic shifts and economic modelling): Detailed labour market modelling using the INFORUM model INFORGE
by *Marc Ingo Wolter, Anke M. MOENNIG, Gerd Zika*
2. Labor Movement forecast on the base of I-O approach
by *Ekaterina Aleksandrovna Edinak*
3. Population ageing, cohort effects and personal consumption expenditure
by *Rossella Bardazzi*

19:00 - 21:30 *IIOA Conference Dinner and Gala Scottish Ceilidh at Old Fruitmarket
City Halls and Old Fruitmarket (Candleriggs)*

(Last drink orders 22.30 and close by 23.00)

Fri, 05/Jul/2019

08:00 - 09:00 *Main Desk and Registration Open (until 13:30)*
 Location: **TIC Foyer - Level 2**

09:00 - 10:30 Parallel Session 8

- Location: **Conference Room 1 (Level 3)**
 Topic: **Trade in Value Added and “servicification” of the Global Value Chains**
 Chair: Hubert ESCAITH
 1. Extraction-cum-substitution and the mapping of bilateral trade conflicts
 by *Hubert ESCAITH*
 2. From Trade in Value Added to Trade in Income
 by *Timon I. BOHN, Steven Brakman, Erik DIETZENBACHER*
 3. Towards input-output based measurements of trade creation and trade diversion
 by *Kirill MURADOV*
- Location: **Conference Room 2 (Level 3)**
 Topic: **IO Data for environmental and social analyses**
 Chair: Richard WOOD
 1. Using supply and use tables to study the energy sector: a simulation of the self-consumption in Spain
 by *Raquel Langarita, Julio Sánchez Chóliz*
 2. Consumption based emission accounts - recommended approaches for modelling energy and emissions embodied in trade
 by *Sarah Schmidt, Kirsten S. WIEBE, Richard WOOD*
- Location: **Conference Room 3 (Level 3)**
 Topic: **Methodological aspects of input-output analysis**
 Chair: Keiichiro Kanemoto
 1. Boosting Economic Competitiveness: The Industrial Clusters in Input-Output Networks
 by *Shohei TOKITO, Fumiya NAGASHIMA, Tesshu Hanaka*
 2. Structural propagation in a production network with restoring substitution elasticities
 by *Kazuhiko NISHIMURA, Satoshi NAKANO*
 3. Edge Clustering for Supply Chain Networks
 by *Keiichiro Kanemoto, Tesshu Hanaka*
- Location: **Conference Room 4 (Level 3)**
 Topic: **Compiling and Applying the APEC TiVA Database**
 Chair: Yaxiong ZHANG
 1. Extended Supply & Use Tables by Firm Heterogeneity: Methods and Applications for China
 by *Cuihong YANG, Yiyi SHI, Rui WEI, Kunfu ZHU*
 2. The methodology of compiling APECSUTs with discrepancies
 by *Jianqin YUAN, Yaxiong ZHANG*
 3. Two-stage approach of reconciling trade statistics under the supply-use framework for constructing APEC IOTs
 by *Lin Jones*
 4. Trade benefit and interdependence in the APEC region: an application of the APEC TiVA database
 by *Quanrun Chen, Jiansuo Pei, Fei WANG, Zhi Wang, Kunfu ZHU*
- Location: **Conference Room 5 (Level 3)**
 Topic: **Thematic IO analysis: Sustainable Development Goals & Policy Analysis**
 Chair: Anne OWEN
 1. CARBON FOOTPRINT REDUCTIONS SCENARIOS FOR AUSTRALIAN CITIES VIA INDUSTRY STRUCTURE SHIFTS ACROSS CITIES BASED ON NOVEL LINEAR PROGRAMMING OPTIMISATIONS
 by *Xue FU, Guangwu Chen, Guangwu CHEN, Thomas O. WIEDMANN, Ortzi Akizu Gardoki*
 2. Impact of VAT on Agriculture Sector in Indonesia: a SAM Approach
 by *Hadi Setiawan, Sofia Arie Damayanty*
 3. The Evolution Trend and Structural Decomposition of China's Green Value-added: 1978-2017
 by *Jin FAN, Wan Wei, Xiaohui YUAN*

- Location: **Conference Room 6 (Level 3)**
Topic: **Thematic IO analysis: Environment**
Chair: Xiuli LIU
 1. Decomposition analysis when there are common factorial effects: how to reduce its size?
by *Paul de Boer*
 2. Potential environmental savings through food waste reductions: a new method
by *Bingqian YAN, Erik DIETZENBACHER, Bart LOS*
 3. Evaluating the Impacts of Waste Treatment Management Modes on Each Sector's Price in a Macro Economic System
by *Xiuli LIU, Geoffrey J.D. HEWINGS*
- Location: **Conference Room 7 (Level 3)**
Topic: **Classical IO applications: Industrial economics, Productivity and Efficiency**
Chair: Anett GROSSMANN
 1. Revisiting Factor proportions in the Indian Economy – A Semi-Input-Output Approach with focus on tradable sectors
by *Anjali Tandon*
 2. Total Factor Productivity and Relative Prices: the case of Italy
by *Giorgio Garau, Stefano Deriu*
 3. Assessing the Impact of a Special Mining Tax over the Chilean Economy
by *Juan Pedro EBERHARD, Patricio AROCA, Loreto Bieritz, Nicolas GARRIDO, Anett GROSSMANN, Anke M. MOENNIG*
- Location: **Conference Room 8 (Level 3)**
Topic: **Thematic IO analysis: Life-styles, environment and economy**
Chair: Yosuke SHIGETOMI
 1. Impacts of producing electrically driven vehicles on Japan industrial output
by *Takayuki Mase*
 2. Modelling the distribution of Costs from Network/Infrastructural Upgrades for Electric Vehicles (EVs): who ultimately pays?
by *Oluwafisayo Alabi, Gioele Figus, Christian Francisco Calvillo, Antonios Katris*
 3. Visualizing Subjectively Weighted Lifestyle-Based Social Equity
by *Yosuke SHIGETOMI, Andrew John Chapman, Keisuke NANSAL, Kenichi Matsumoto, Susumu Tohno*
- Location: **Level 1 Auditorium**
Topic: **Thematic IO analysis: Energy and Environment**
Chair: Muhammad Daaniyall Abd Rahman
 1. Distributional Effects of Carbon Tax Policy in Iran, Input- Output Approach
by *Fatemeh BAZZAZAN, Aida Samavaty*
 2. Effects of lifestyle changes on carbon emissions in Malaysia for periods 2010-2015
by *Umi Zakiah NORAZMAN, M. Yusof SAARI, Muhammad Daaniyall Abd Rahman, Chakrin UTIT*
 3. The carbon footprint of Chinese healthcare sector
by *Rui Wu*
- Location: **Level 9 - Executive Room A**
Topic: **IO modeling: Data choices for IO models**
Chair: Norbert Rainer
 1. Can confidence intervals for input-output multipliers be estimated with supply and use tables?
by *José M. RUEDA-CANTUCHE, Robert STEHRER, Antonio F. AMORES, David Zenz*
 2. The Choice of Multi-Regional Input-Output Tables in CGE-Models
by *Oliver M. Fritz, Bartłomiej Rokicki*
- Location: **Level 9 - Executive Room B**
Topic: **Murals and miniatures: applying social accounting with a very broad brush, and with fine strokes to precious cameos**
Chair: Hervey Gibson
 1. Industrial and Regional Analysis in Britain's Brexit debate
by *Hervey Gibson*
 2. Accounting for Africa between Bottom and Top: social accounting frameworks for epidemics and revival
by *Nicho Mojalefa Ntema, Hervey Gibson*
 3. The Social Weighted Impact of University International Conferences on Glasgow
by *Richard James Marsh*

10:30 - 11:00 Refreshment break
Location: **TIC Foyer - Level 2 and 3**

11:00 - 12:30 Parallel Session 9

- Location: **Conference Room 1 (Level 3)**
 Topic: **Classical IO applications: Trade and GVCs**
 Chair: Kirsten S. WIEBE
 1. Globalisation challenges for including exports in the supply and use framework: examples from Germany
 by *Susanne Goldhammer*
 2. Regional and global patterns of insertion in value chains: evidence for Brazil
 by *Inácio Fernandes de Araújo Jr, Fernando Salgueiro Perobelli, Weslem Rodrigues Faria*
 3. Trace important coefficients for China's upgrading in global value chains
 by *Kailan TIAN, Erik DIETZENBACHER, Bingqian YAN*
- Location: **Conference Room 2 (Level 3)**
 Topic: **Thematic IO analysis: Energy and Environment**
 Chair: Ana Maria Dias
 1. Decomposition of Lifecycle CO2 Emissions Associated with International Flights of the Japanese Airline Industry
 by *Minami Kito, Fumiya NAGASHIMA, Kayoko SHIRONITTA, Shigemi KAGAWA*
 2. Supply Chain Performance Measurement based on the MRIO Framework: A Case Study of the Two-stage Network in the Steel Industry
 by *Hirofuka TAKAYABU, Shigemi KAGAWA*
 3. Impact Assessment of the Changes in the Energy Sources and Efficiency on the Chilean Mining Sector
 by *Nicolas GARRIDO, Patricio AROCA, Loreto Bieritz, Juan Pedro EBERHARD, Anett GROSSMANN, Anke M. MOENNIG*
- Location: **Conference Room 3 (Level 3)**
 Topic: **IO modeling: Conjoined Modeling Approaches**
 Chair: Thomas O. WIEDMANN
 1. Assessing productive structures in Brazil with dynamic input-output networks
 by *Luiz Carlos de Santana Ribeiro, Hernane Borges de Barros Pereira, EDER Area Leão PEREIRA, Roberto Luiz Souza Monteiro*
 2. Hard-linking Energy and Economy models based on a Dynamic Input-Output framework
 by *Matteo Vincenzo Rocco*
 3. Linking a multiregional input-output and a Hydro-Economic models to analyze the Ebro River basin
 by *Miguel Ángel Almazán-Gómez, Rosa DUARTE, Raquel Langarita, Julio Sánchez Chóliz*
- Location: **Conference Room 5 (Level 3)**
 Topic: **IO modeling: Computable General Equilibrium Modeling and Social Accounting Matrices**
 Chair: Joaquim J.M. GUILHOTO
 1. How incentives for skilled-workers stimulate economic performance and employment level. Evidence from a CGE analysis.
 by *Giancarlo Infantino, Rosita PRETAROLI, Francesca SEVERINI, Claudio SOCCI, Jacopo Zotti*
 2. Modelling the regional labour market for midwives in Denmark with LINE, an interregional SAM-type 2-by-2-by-2 principle model
 by *Laura Maria Virtanen, Bjarne Hartz Madsen*
- Location: **Conference Room 6 (Level 3)**
 Topic: **Classical IO applications: Economic Structural Change and Dynamics**
 Chair: Cuihong YANG
 1. Assessing structural change in the Maltese economy via the application of hypothetical extraction analysis
 by *Ian P. Cassar*
 2. Growth and Final Consumption in Brazil from 2000 to 2016: a Structural Decomposition Analysis
 by *Camila Unis Krepsky, Esther Dweck*
 3. The role of embeddedness on regional economic resilience
 by *Tasos Kitsos, Andre Carrascal*
- Location: **Conference Room 7 (Level 3)**
 Topic: **Environment-Extended IO Analysis at City Level**
 Chair: Yafei WANG
 1. A study on the restriction of water scarcity to the development of Beijing-Tianjin-Hebei urban agglomeration
 by *Zhuoying ZHANG, Yuanjie Li, Minjun Shi*
 2. Development of a city-level multi-regional input output database for sustainable city management in Japan
 by *Takako WAKIYAMA, Manfred LENZEN, Keisuke NANSAI*
 3. City-level multi-regional input-output accounting using the IELab tool
 by *Yafei WANG, Yafei Wang, Xuguang Song*

- Location: **Conference Room 8 (Level 3)**

Topic: **Mathematical Analysis and Thematic Applications**

Chair: Satoshi INOMATA

1. Functional income distribution, labor productivity and technological change in input-output matrices: an approach of complexity to the Mexican case.
by *Eduardo MORENO REYES, Martín Carlos PUCHET ANYUL*
2. Thirlwall's Law and uneven development under Global Value Chains: a multi-country input-output approach
by *Andrew Brian Trigg*
3. Evaluation of Knowledge Stocks of R&D Expenditures as Intangible Assets on Static/Dynamic TFP Measures by Input-Output Framework
by *Masahiro KURODA, Michael C. HUANG*

- Location: **Level 1 Auditorium**

Topic: **Thematic IO analysis: Energy and Environment**

Chair: Geoffrey J.D. HEWINGS

1. Technology-adjusted national carbon accounting for effective climate policy: from the perspective of vertical specialization
by *Hongxia ZHANG, Geoffrey J.D. HEWINGS, Chen LIN*
2. Visualizing spatial effects of regional emissions in China: A combination of multi-regional input-output analysis and complex network analysis
by *Jing LI*
3. Measuring the contribution of nuclear energy to reducing greenhouse gas emissions - case of Poland
by *Mariusz Plich*

- Location: **Level 9 - Executive Room A**

Topic: **IO modeling: Computable General Equilibrium Modeling and Social Accounting Matrices**

Chair: Peter McGregor

1. Relevance of exports for the economies of Mexico mesoregions.
by *Alejandro DAVILA FLORES, Miriam VALDES IBARRA*
2. Resilience in a Behavioural/Keynesian Regional Computable General Equilibrium Model
by *Gioele Figus, Grant Jordan Allan, Kim Swales, Peter McGregor*
3. "A Comprehensive Comparison of VAT Reforms Under Different Market Conditions"
by *Ana-Isabel Guerra, Ferran Sancho*

- Location: **Level 9 - Executive Room B**

Topic: **Modelling energy use and production in interindustry models**

Chair: Christian Lutz

1. Driving forces of changes in CO2 emissions of China
by *Chen Pan, Jianwu HE, Shantong LI, Dequn Zhou*
2. Macroeconomic impact of the energy technologies changes in Russia: input-output approach
by *Alexander Shirov, Andrey Kolpakov*
3. How to catch the rebound effect in interindustry modelling
by *Christian Lutz*

12:30 - 14:00 *Lunch break and closing ceremony*
Location: **TIC Foyer - Level 3**

14:00 - 19:00 *Free time to explore Glasgow City and afar. Choice of one of four excursions organised.*

- Edinburgh Castle Tour.
- Stirling Castle Tour.
- Loch Lomond and Whisky Distillery Tour.
- Falkirk Wheel and The Kelpies Tour.

LIST OF AUTHORS

FULL NAME	INSTITUTION, COUNTRY	CONFERENCE PRESENCE
ABD RAHMAN, MUHAMMAD DAANIYALL	UNIVERSITI PUTRA MALAYSIA, MALAYSIA	Parallel Session 3 - Development Programme, Conference Room 2 (Level 3) Parallel Session 4, Conference Room 5 (Level 3)
AGUIAR, ANGEL	PURDUE UNIVERSITY, UNITED STATES	
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AKIZU GARDOKI, ORTZI	UNIVERSITY OF THE BASQUE COUNTRY UPV/EHU, SPAIN	
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ALBERTI, TÂNIA	UFPR, BRAZIL	
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ALMAZÁN-GÓMEZ, MIGUEL	UNIVERSITY OF ZARAGOZA, SPAIN	Parallel Session 9, Conference Room 3 (Level 3)
ALTIMIRAS-MARTIN, ALEIX	SCIENCE AND TECHNOLOGY POLICY DEPARTMENT (DPCT/IG) - UNIVERSITY OF CAMPINAS (UNICAMP), BRAZIL	Parallel Session 5, Conference Room 6 (Level 3)
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BOLAND, JOHN	UNIVERSITY OF SOUTH AUSTRALIA, AUSTRALIA	
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BOUNDI, FAHD	UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO, MEXICO	Parallel Session 5, Conference Room 1 (Level 3)
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BURKOWSKI, ERIKA	UNIVERSIDADE FEDERAL FLUMINENSE, BRAZIL	Parallel Session 6, Conference Room 5 (Level 3)
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CAI, MATTIA	EUROPEAN COMMISSION - JOINT RESEARCH CENTRE, SPAIN	Parallel Session 5, Conference Room 2 (Level 3)
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CHEPELIEV, MAKSYM	PURDUE UNIVERSITY, UNITED STATES	Parallel Session 4, Conference Room 1 (Level 3) Parallel Session 6, Level 1 Auditorium

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CHEWPREECHA, UNNADA	CAMBRIDGE ECONOMETRICS, UNITED KINGDOM	Parallel Session 7, Conference Room 8 (Level 3)
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CIASCHINI, MAURIZIO	UNIVERSITY OF MACERATA, ITALY	
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DUCHIN, FAYE	RENSSELAER POLYTECHNIC INSTITUTE, UNITED STATES	Parallel Session 5, Level 9 - Executive Room A
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FIGUS, GIOELE	UNIVERSITY OF STRATHCLYDE, UNITED KINGDOM	Parallel Session 9, Level 9 - Executive Room A
FLAUTE, MARKUS	GWS, INSTITUTE OF ECONOMIC STRUCTURES RESEARCH, GERMANY	
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IZUMI, HIROSHI	OSAKA UNIVERSITY OF ECONOMICS, JAPAN	
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JIN, JIAN	WASEDA UNIVERSITY, JAPAN	
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JOSHI, SURABHI	REGULATORY ASSISTANCE PROJECT (USA) AT MUMBAI, INDIA	Parallel Session 7, Conference Room 8 (Level 3)
JUNQUEIRA, TASSIA	BRAZILIAN BIOETHANOL SCIENCE AND TECHNOLOGY LABORATORY (CTBE/CNPEM), BRAZIL	
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KAMBLE, UJWALA	TATA SERVICES LIMITED, INDIA	Parallel Session 2, Conference Room 5 (Level 3)
KANEKO, MITSUKI	KYUSHU UNIVERSITY, JAPAN	Parallel Session 7, Conference Room 6 (Level 3)
KANEMOTO, KEIICHIRO	RESEARCH INSTITUTE FOR HUMANITY AND NATURE, JAPAN	Parallel Session 5, Conference Room 8 (Level 3) Parallel Session 8, Conference Room 3 (Level 3)
KANG, NING	GUIYANG MEDICAL COLLEGE, CHINA	Parallel Session 4, Conference Room 4 (Level 3)
KANGXIAN, JI	SCHOOL OF ECONOMICS AND MANAGEMENT, UNIVERSITY OF CHINESE ACADEMY OF SCIENCES, CHINA	Parallel Session 7, Conference Room 1 (Level 3)
KATRIS, ANTONIOS	CENTRE FOR ENERGY POLICY, UNIVERSITY OF STRATHCLYDE, UNITED KINGDOM	Parallel Session 5, Conference Room 2 (Level 3)
KAVESE, KAMBALE	ECSECC, SOUTH AFRICA	
KHAN, JAMAL	INSTITUTE FOR THE DEVELOPMENT OF CENTRAL CHINA, WUHAN UNIVERSITY, CHINA, CHINA	
KHAN, MUHAMMAD	COMSATS UNIVERSITY, PARK ROAD, TARLAI KALAN ISLAMABAD, PAKISTAN	Parallel Session 1, Level 1 Auditorium
KIM, JIYOUNG	OKAYAMA UNIVERSITY, JAPAN	Parallel Session 6, Conference Room 5 (Level 3)
KIM, KWANG	KYOTO UNIVERSITY, JAPAN	Parallel Session 4, Conference Room 8 (Level 3)
KIRCHNER, MATHIAS	AUSTRIAN INSTITUTE OF ECONOMIC RESEARCH (WIFO), AUSTRIA	
KITO, MINAMI	KYUSHU UNIVERSITY, JAPAN	Parallel Session 9, Conference Room 2 (Level 3)
KITSOS, TASOS	CITY-REDI, UNIVERSITY OF BIRMINGHAM, UNITED KINGDOM	Parallel Session 9, Conference Room 6 (Level 3)
KOLLER, WOLFGANG	INSTITUTE FOR INDUSTRIAL RESEARCH, AUSTRIA	
KOLPAKOV, ANDREY	RAS INSTITUTE OF ECONOMIC FORECASTING, RUSSIAN	
KONDO, YASUSHI	WASEDA UNIVERSITY, JAPAN	Parallel Session 5, Conference Room 8 (Level 3)
KONSTANTAKIS, KONSTANTINOS	NATIONAL TECHNICAL UNIVERSITY OF ATHENS, GREECE	
KRATENA, KURT	CESAR - CENTRE OF ECONOMIC SCENARIO ANALYSIS AND RESEARCH, SPAIN	Parallel Session 6, Conference Room 7 (Level 3)
KREPSKY, CAMILA	UFRJ - UNIVERSIDADE FEDERAL DO RIO DE JANEIRO, BRAZIL	Parallel Session 9, Conference Room 6 (Level 3)
KRONENBERG, TOBIAS	BOCHUM UNIVERSITY OF APPLIED SCIENCES, GERMANY	Parallel Session 7, Conference Room 7 (Level 3)
KUBONIWA, MASAOKI	HITOTSUBASHI UNIVERSITY, JAPAN	
KURODA, MASAHIRO	CENTER OF RESEARCH AND DEVELOPMENT STRATEGY, SCIREX CENTER, GRIPS, JAPAN	Parallel Session 9, Conference Room 8 (Level 3)

FULL NAME	INSTITUTION, COUNTRY	CONFERENCE PRESENCE
LA MARCA, MASSIMILIANO	INTERNATIONAL LABOUR ORGANISATION, SWITZERLAND	Parallel Session 1, Conference Room 4 (Level 3)
LÁBAJ, MARTIN	UNIVERSITY OF ECONOMICS IN BRATISLAVA, SLOVAK REPUBLIC	
LACH, ŁUKASZ	AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY IN CRACOW, POLAND	
LAHR, MICHAEL	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, UNITED STATES	Parallel Session 6, Level 9 - Executive Room A
LAM, KA LEUNG	DELFT UNIVERSITY OF TECHNOLOGY, NETHERLANDS	Parallel Session 7, Conference Room 2 (Level 3)
LANE, JOE	UNIVERSITY OF QUEENSLAND, AUSTRALIA	
LANGARITA, RAQUEL	UNIVERSITY OF LA RIOJA, SPAIN	Parallel Session 8, Conference Room 2 (Level 3)
LATORRE, MARIA	UNIVERSIDAD COMPLUTENSE DE MADRID, SPAIN	Parallel Session 5, Conference Room 3 (Level 3)
LAWLEY, JOSEPH	UNIVERSITY OF LEEDS, UNITED KINGDOM	Parallel Session 5, Conference Room 4 (Level 3)
LECCA, PATRIZIO	FRASER OF ALLANDER INSTITUTE, UNIVERSITY OF STRATHCLYDE, UNITED KINGDOM	
LECHON, YOLANDA	CIEMAT, SPAIN	
LEHR, ULRIKE	GESELLSCHAFT FÜR WIRTSCHAFTLICHE STRUKTURFORSCHUNG MBH, GERMANY	
LEITE, FABRÍCIO	UFRN, BRAZIL	Parallel Session 7, Level 9 - Executive Room A
LENZEN, MANFRED	ISA, AUSTRALIA	
LEWNEY, RICHARD	CAMBRIDGE ECONOMETRICS, UNITED KINGDOM	Parallel Session 4, Conference Room 3 (Level 3) Parallel Session 6, Conference Room 1 (Level 3)
LI, JIFENG	STATE INFORMATION CENTER, CHINA	
LI, JING	CENTER FOR CENTRAL CHINA ECONOMIC DEVELOPMENT RESEARCH, NANCHANG UNIVERSITY, CHINA	Parallel Session 9, Level 1 Auditorium
LI, MO	UNSW SYDNEY, AUSTRALIA	Parallel Session 6, Conference Room 2 (Level 3)
LI, SHANTONG	DEVELOPMENT RESEARCH CENTER OF THE STATE COUNCIL, CHINA	
LI, XIUTING	UNIVERSITY OF CHINESE ACADEMY OF SCIENCES, CHINA	Parallel Session 5, Conference Room 7 (Level 3)
LI, YUANJIE	SCHOOL OF ECONOMICS AND MANAGEMENT, UNIVERSITY OF CHINESE ACADEMY OF SCIENCES, CHINA	
LILLIESTAM, JOHAN	ETH ZÜRICH, SWITZERLAND	
LIN, CHEN	SCHOOL OF ECONOMICS, RENMIN UNIVERSITY OF CHINA, CHINA	
LINDROOS, VILLE	STATISTICS FINLAND, FINLAND	Parallel Session 2, Level 1 Auditorium
LISENKOVA, KATERINA	UNIVERSITY OF STRATHCLYDE, UNITED KINGDOM	
LIU, FAN	UNIVERSITY OF CHINESE ACADEMY OF SCIENCES, CHINA	
LIU, HUIWEN	TIANJIN UNIVERSITY, CHINA	
LIU, LI	GUANGDONG UNIVERSITY OF FOREIGN STUDIES, CHINA	
LIU, SHUQIN	SCHOOL OF MANAGEMENT, MINZU UNIVERSITY OF CHINA, CHINA	
LIU, XIULI	CHINESE ACADEMY OF SCIENCES, CHINA	Parallel Session 8, Conference Room 6 (Level 3)
LÓPEZ, JUAN	UNIVERSIDAD CENTROAMERICANA, EL SALVADOR	Parallel Session 7, Level 9 - Executive Room A
LOPEZ, LUIS	UNIVERSIDAD DE CASTILLA-LA MANCHA, SPAIN	
LOPEZ, MERARIS	UNIVERSIDAD CENTROAMERICANA JOSÉ SIMEÓN CAÑAS AND TROPICAL AGRICULTURAL RESEARCH AND HIGHER EDUCATION CENTER, EL SALVADOR	Parallel Session 1, Level 9 - Executive Room A
LOPEZ-MORALES, CARLOS	EL COLEGIO DE MÉXICO, MEXICO	Parallel Session 5, Level 9 - Executive Room A

FULL NAME	INSTITUTION, COUNTRY	CONFERENCE PRESENCE
LOS, BART	UNIVERSITY OF GRONINGEN, NETHERLANDS	
LUCAS, PAUL	PBL NETHERLANDS ENVIRONMENTAL ASSESSMENT AGENCY, NETHERLANDS	
LUGOVOY, OLEG	EDF, RANEP, UNITED STATES	Parallel Session 2, Conference Room 8 (Level 3)
LUTZ, CHRISTIAN	GESELLSCHAFT FÜR WIRTSCHAFTLICHE STRUKTURFORSCHUNG MBH, GERMANY	Parallel Session 6, Level 1 Auditorium Parallel Session 9, Level 9 - Executive Room B
MACIUNIAK, PABLO	C.H.U.I.M.I., SPAIN	
MADSEN, BJARNE	THE CAPITAL REGION OF DENMARK, DENMARK	
MAHLBERG, BERNHARD	INSTITUTE FOR INDUSTRIAL RESEARCH, AUSTRIA	
MAINAR CAUSAPÉ, ALFREDO	EUROPEAN COMMISSION. JOINT RESEARCH CENTRE-IPTS, SPAIN	Parallel Session 7, Conference Room 5 (Level 3)
MALIK, ARUNIMA	UNIVERSITY OF SYDNEY, AUSTRALIA	Parallel Session 1, Conference Room 7 (Level 3)
MANDRAS, GIOVANNI	JRC - EUROPEAN COMMISSION - SEVILLE, ITALY	Parallel Session 7, Level 1 Auditorium
MANGA, RUSHIL	NELSON MANDELA UNIVERSITY, SOUTH AFRICA	Parallel Session 2, Level 9 - Executive Room A
MANRIQUE DE LARA PEÑATE, CASIANO	UNIVERSITY OF LAS PALMAS DE GC (ULPGC), SPAIN	Parallel Session 2, Conference Room 1 (Level 3)
MÁRIA, FORGON	HUNGARIAN CENTRAL STATISTICAL OFFICE, HUNGARY	Parallel Session 7, Conference Room 3 (Level 3)
MARINOS, THEOCHARIS	NATIONAL TECHNICAL UNIVERSITY OF ATHENS, GREECE	
MARKAKI, MARIA	TECHNOLOGICAL EDUCATIONAL INSTITUTE OF CRETE, GREECE	Parallel Session 6, Level 9 - Executive Room A
MÁRQUEZ LLABRES, LUIS	ULPGC SERVICIO CANARIO DE LA SALUD, SPAIN	
MARSH, RICHARD	4-CONSULTING, UNITED KINGDOM	Parallel Session 8, Level 9 - Executive Room B
MARTINS FERREIRA, PEDRO	EUROSTAT, EUROPEAN COMMISSION, LUXEMBOURG	Parallel Session 7, Conference Room 3 (Level 3)
MASE, TAKAYUKI	CENTRAL RESEARCH INSTITUTE OF ELECTRIC POWER INDUSTRY, JAPAN	Parallel Session 8, Conference Room 8 (Level 3)
MATSUMOTO, KENICHI	NAGASAKI UNIVERSITY, JAPAN	
MCDONALD, SCOTT	HUMBOLDT UNIVERSITY OF BERLIN, UNITED KINGDOM	
MCDUGALL, ROBERT	PURDUE UNIVERSITY, UNITED STATES	
MCGRANE, SCOTT	UNIVERSITY OF STRATHCLYDE, UNITED KINGDOM	
MCGREGOR, PETER	UNIVERSITY OF STRATHCLYDE, UNITED KINGDOM	Parallel Session 5, Auditorium A
MEADE, DOUGLAS	INFORUM/UNIVERSITY OF MARYLAND, UNITED STATES	Parallel Session 4, Conference Room 2 (Level 3)
MEHRA, SAHIL	SOUTH ASIAN UNIVERSITY, INDIA	Parallel Session 3 - Development Programme, Level 1 Auditorium
MENG, JING	UNIVERSITY OF CAMBRIDGE, UNITED KINGDOM	
MERCURE, JEAN-FRANCOIS	UNIVERSITY OF EXETER, UNITED KINGDOM	Parallel Session 6, Conference Room 1 (Level 3)
MEYER, MARK	INSTITUTE OF ECONOMIC STRUCTURES RESEARCH (GWS), GERMANY	
MI, ZHIFU	UNIVERSITY COLLEGE LONDON, UNITED KINGDOM	
MICHAELIDES, PANAYOTIS	NATIONAL TECHNICAL UNIVERSITY OF ATHENS, GREECE	
MICHEL, BERNHARD	FEDERAL PLANNING BUREAU, BELGIUM	Parallel Session 7, Conference Room 3 (Level 3)
MIROUDOT, SEBASTIEN	OECD, FRANCE	
MITOMA, HARUKA	KYUSHU UNIVERSITY, JAPAN	Parallel Session 2, Conference Room 3 (Level 3)
MOENNIG, ANKE	INSTITUTE FOR ECONOMIC STRUCTURES RESEARCH - GWS, GERMANY	Parallel Session 1, Conference Room 6 (Level 3)
MONSALVE, FABIO	UNIVERSITY OF CASTILLA-LA MANCHA, SPAIN	
MONTEIRO, ROBERTO	SENAI CIMATEC, BRAZIL	
MORENO REYES, EDUARDO	NATIONAL AUTONOMOUS UNIVERSITY OF MEXICO, MEXICO	Parallel Session 9, Conference Room 8 (Level 3)

FULL NAME	INSTITUTION, COUNTRY	CONFERENCE PRESENCE
MOTORIN, VLADIMIR	HIGHER SCHOOL OF ECONOMICS, RUSSIAN	Parallel Session 2, Conference Room 8 (Level 3)
MUKHOPADHYAY, KAKALI	MCGILL UNIVERSITY, CANADA	Parallel Session 4, Conference Room 6 (Level 3) Parallel Session 5, Level 9 - Executive Room A Parallel Session 6, Conference Room 4 (Level 3)
MURADOV, KIRILL	CENTRE FOR INFORMATION AND ANALYSIS OF FOREIGN TRADE (MOSCOW), RUSSIAN	Parallel Session 8, Conference Room 1 (Level 3)
NAEEM, KHANSA	COMSAT UNIVERSITY ISLAMABAD, PAKISTAN	Parallel Session 4, Conference Room 6 (Level 3)
NAGASHIMA, FUMIYA	KYUSHU UNIVERSITY, JAPAN	
NAKAMOTO, YUYA	KYUSHU UNIVERSITY, JAPAN	Parallel Session 7, Conference Room 6 (Level 3)
NAKANO, SATOSHI	THE JAPAN INSTITUTE FOR LABOUR POLICY AND TRAINING, JAPAN	
NANSAI, KEISUKE	NAT. INST. FOR ENV. STUDIES (NIES), JAPAN	
NIK RAMZI SHAH, NIK ROZELIN	UNIVERSITI PUTRA MALAYSIA, MALAYSIA	Parallel Session 1, Conference Room 3 (Level 3)
NISHIMURA, KAZUHIKO	NIHON FUKUSHI UNIVERSITY, JAPAN	Parallel Session 8, Conference Room 3 (Level 3)
NORAZMAN, UMI	UNIVERSITI PUTRA MALAYSIA, MALAYSIA	Parallel Session 8, Level 1 Auditorium
NTEMA, NICHOLAS	INDEPENDENT, SOUTH AFRICA	Parallel Session 8, Level 9 - Executive Room B
OBERHOFER, HARALD	VIENNA UNIVERSITY OF ECONOMICS AND BUSINESS, AUSTRIA	Parallel Session 5, Conference Room 3 (Level 3)
OKAMOTO, NOBUHIRO	DAITO BUNKA UNIVERSITY, JAPAN	Parallel Session 2, Conference Room 2 (Level 3)
OLEKSEYUK, ZORYANA	GERMAN DEVELOPMENT INSTITUTE / DEUTSCHES INSTITUT FÜR ENTWICKLUNGSPOLITIK (DIE), GERMANY	
OLIVEIRA, CASSIUS	UNIVERSIDADE FEDERAL DO RIO GRANDE (FURG), BRAZIL	
OLIVEIRA, GILCA	UFBA - UNIVERSIDADE FEDERAL DA BAHIA, BRAZIL	
OLIVOS, PABLO	UNIVERSITY OF CASTILLA LA MANCHA, SPAIN	
OOSTERHAVEN, JAN	UNIVERSITY OF GRONINGEN, NETHERLANDS	Parallel Session 1, Conference Room 5 (Level 3)
ORTIZ, MATEO	UNIVERSIDAD DE CASTILLA-LA MANCHA, SPAIN	Parallel Session 1, Conference Room 7 (Level 3)
ORTIZ VALVERDE, GABRIELA	UNIVERSIDAD COMPLUTENSE DE MADRID, COSTA RICA	Parallel Session 5, Conference Room 3 (Level 3)
OSEI-OWUSU, ALBERT	AARHUS UNIVERSITY, DENMARK	Parallel Session 6, Conference Room 4 (Level 3)
OSTOLAZA-BERMAN, RODOLFO	EL COLEGIO DE MÉXICO, MEXICO	
OTCHIA, CHRISTIAN	NAGOYA UNIVERSITY, JAPAN	Parallel Session 3 - Development Programme, Conference Room 3 (Level 3)
OWEN, ANNE	UNIVERSITY OF LEEDS, UNITED KINGDOM	Parallel Session 6, Level 9 - Executive Room B
P, BHANUMATI	MINISTRY OF STATISTICS & PI, INDIA	
PAL, BARUN	INSTITUTE FOR SOCIAL AND ECONOMIC CHANGE, INDIA	
PAN, CHEN	NANJING UNIVERSITY OF AERONAUTICS AND ASTRONAUTICS, CHINA	Parallel Session 7, Conference Room 4 (Level 3) Parallel Session 9, Level 9 - Executive Room B
PAPATHANASOPOULOU, ELENI	PLYMOUTH MARINE LABORATORY, UNITED KINGDOM	
PAULIUK, STEFAN	UNIVERSITY OF FREIBURG, GERMANY	
PEI, JIANSUO	UNIVERSITY OF INTERNATIONAL BUSINESS AND ECONOMICS, CHINA	Parallel Session 6, Conference Room 6 (Level 3)
PENA-BOQUETE, YOLANDA	AYECONOMICS RESEARCH CENTRE, SPAIN	Parallel Session 5, Level 9 - Executive Room B

FULL NAME	INSTITUTION, COUNTRY	CONFERENCE PRESENCE
PEREIRA, EDER	INSTITUTO FEDERAL DO MARANHÃO, BRAZIL	
PEREIRA, HERNANE	CENTRO UNIVERSITÁRIO SENAI CIMATEC, BRAZIL	
PEREIRA, ROBERTO	SEPLAN - SECRETARIA DO PLANEJAMENTO DO ESTADO DA BAHIA, BRAZIL	
PEREZ, MIGUEL	-, SPAIN	
PEROBELLI, FERNANDO	FEDERAL UNIVERSITY OF JUIZ DE FORA, BRAZIL	Parallel Session 6, Conference Room 5 (Level 3)
PHILIPPIDIS, GEORGE	CITA, ARAGÓN, SPAIN	
PINERO, PABLO	UNIVERSITY OF OULU, SPAIN	Parallel Session 1, Conference Room 7 (Level 3)
PLICH, MARIUSZ	UNIVERSITY OF LODZ, POLAND	Parallel Session 9, Level 1 Auditorium
POLBIN, ANDREY	THE RUSSIAN PRESIDENTIAL ACADEMY OF NATIONAL ECONOMY AND PUBLIC ADMINISTRATION, RUSSIAN	Parallel Session 5, Conference Room 8 (Level 3)
POLLITT, HECTOR	CAMBRIDGE ECONOMETRICS, UNITED KINGDOM	Parallel Session 4, Conference Room 7 (Level 3) Parallel Session 6, Conference Room 1 (Level 3)
POLZIKOV, DMITRY	INSTITUTE OF ECONOMIC FORECASTING OF THE RUSSIAN ACADEMY OF SCIENCES, RUSSIAN	Parallel Session 2, Auditorium A
PORTELLA-CARBO, FERRAN	SARCHI INDUSTRIAL DEVELOPMENT, UNIVERSITY OF JOHANNESBURG,, SOUTH AFRICA	
POTASHNIKOV, VLADIMIR	THE RUSSIAN PRESIDENTIAL ACADEMY OF NATIONAL ECONOMY AND PUBLIC ADMINISTRATION, RUSSIAN	
PRETAROLI, ROSITA	UNIVERSITY OF MACERATA, ITALY	
PRZYBYLIŃSKI, MICHAŁ	INSTITUTE OF ECONOMETRICS, UNIVERSITY OF ŁÓDŹ, POLAND	Parallel Session 2, Conference Room 5 (Level 3)
PUCHET ANYUL, MARTÍN	UNAM, MEXICO	
PUTRANTI, TITI	FACULTY OF ADMINISTRATIVE SCIENCES, INDONESIA	
QU, YANG	UNIVERSITY OF EXETER, UNITED KINGDOM	Parallel Session 7, Conference Room 5 (Level 3)
RAES, WILLEM	PUBLIC WASTE AGENCY OF FLANDERS (OVAM), BELGIUM, BELGIUM	Parallel Session 5, Conference Room 4 (Level 3)
RAJAGOPAL, ADVAIT	NEW SCHOOL FOR SOCIAL RESEARCH, INDIA	
RAMOS, PEDRO	GEMF - UNIVERSITY OF COIMBRA, FACULTY OF ECONOMICS, PORTUGAL	
REMOND-TIEDREZ, ISABELLE	EUROSTAT - EUROPEAN COMMISSION, LUXEMBOURG	Parallel Session 5, Level 1 Auditorium
REYNOLDS, CHRISTIAN	THE UNIVERSITY OF SOUTH AUSTRALIA, AUSTRALIA	
RIBEIRO, CAROLINA	UNIVERSIDADE FEDERAL DA BAHIA - UFBA, BRAZIL	Parallel Session 4, Level 9 - Executive Room A
RIBEIRO, LUIZ CARLOS DE	FEDERAL UNIVERSITY OF SERGIPE, BRAZIL	Parallel Session 9, Conference Room 3 (Level 3)
ROCCO, MATTEO	POLITECNICO DI MILANO, ITALY	Parallel Session 9, Conference Room 3 (Level 3)
ROKICKI, BARTŁOMIEJ	UNIVERSITY OF WARSAW, POLAND	
ROMÁN, MARIA	EC JRC, SPAIN	
ROSE, ADAM	USC, UNITED STATES	Parallel Session 2, Conference Room 4 (Level 3)
ROSS, ANDREW	FRASER OF ALLANDER INSTITUTE, UNITED KINGDOM	
ROY, GRAEME	UNIVERSITY OF STRATHCLYDE, UNITED KINGDOM	
RUEDA-CANTUCHE, JOSÉ	EUROPEAN COMMISSION, SPAIN	Parallel Session 5, Level 1 Auditorium Parallel Session 8, Level 9 - Executive Room A
RUIZ, ITXASO	BC3 BASQUE CENTRE FOR CLIMATE CHANGE, SPAIN	
RUIZ NAPOLES, PABLO	UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO, MEXICO	Parallel Session 5, Conference Room 1 (Level 3)
SAARI, M. YUSOF	UNIVERSITI PUTRA MALAYSIA, MALAYSIA	Parallel Session 1, Level 1 Auditorium
SAMAVATY, AIDA	ALZAHRA UNIVERSITY, IRAN	
SÁNCHEZ CHÓLIZ, JULIO	UNIVERSITY OF ZARAGOZA, SPAIN	
SANCHO, FERRAN	UNIVERSITAT AUTÒNOMA DE BARCELONA, SPAIN	

FULL NAME	INSTITUTION, COUNTRY	CONFERENCE PRESENCE
SANJUÁN LÓPEZ, ANA	CITA - GOVERNMENT OF ARAGON, SPAIN	
SANZ, MARIA	BASQUE CENTRE FOR CLIMATE CHANGE, SPAIN	
SARABIA, MARIANELA	PHD STUDENT AT THE ARGENTINE UNIVERSITY OF ENTERPRISE (SPANISH ACRONYM: UADE), ARGENTINA	Parallel Session 2, Level 9 - Executive Room A
SARASA, CRISTINA	UNIVERSITY OF ZARAGOZA, SPAIN	Parallel Session 4, Level 9 - Executive Room B
SAVONA, MARIA	UNIVERSITY OF SUSSEX, UNITED KINGDOM	
SCHMIDT, SARAH	NTNU, NORWAY	Parallel Session 8, Conference Room 2 (Level 3)
SELIVANOVA, MARIA	RUSSIAN FOREIGN TRADE ACADEMY MINISTRY OF ECONOMIC DEVELOPMENT OF THE RUSSIAN FEDERATION, RUSSIAN	
SERRANO, ANA	UNIVERSIDAD DE ZARAGOZA, SPAIN	Parallel Session 5, Conference Room 2 (Level 3)
SERRANO, MÓNICA	UNIVERSITY OF BARCELONA, SPAIN	Parallel Session 5, Level 9 - Executive Room B
SETIAWAN, HADI	FISCAL POLICY AGENCY, INDONESIA	Parallel Session 8, Conference Room 5 (Level 3)
SEVERINI, FRANCESCA	UNIVERSITY OF MACERATA, ITALY	Parallel Session 4, Level 9 - Executive Room B
SEVINC, DENIZ	UNIVERSITY OF BIRMINGHAM, UNITED KINGDOM	
SHEN, XUEMEI	CHUBU REGION INSTITUTE FOR SOCIAL AND ECONOMIC RESEARCH, JAPAN	Parallel Session 4, Conference Room 4 (Level 3)
SHI, MINJUN	ZHEJIANG UNIVERSITY, CHINA	
SHI, YIYING	ACADEMY OF MATHEMATICS AND SYSTEMS SCIENCE,CAS, CHINA	
SHIGETOMI, YOSUKE	GRADUATE SCHOOL OF FISHERIES AND ENVIRONMENTAL SCIENCES, NAGASAKI UNIVERSITY, JAPAN	Parallel Session 8, Conference Room 8 (Level 3)
SHIRONITTA, KAYOKO	KYUSHU UNIVERSITY, JAPAN	
SHIROV, ALEXANDER	INSTITUTE OF ECONOMIC FORECASTING RAS, RUSSIAN	Parallel Session 9, Level 9 - Executive Room B
SIMAS, MOANA	NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, NORWAY	
SINGH, SHWETA	PURDUE UNIVERSITY, UNITED STATES	
SOCCI, CLAUDIO	UNIVERSITY OF MACERATA, ITALY	
SÖDERSTEN, CARL-JOHAN	NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU), NORWAY	Parallel Session 7, Conference Room 7 (Level 3)
SONG, XUGUANG	SCHOOL OF STATISTICS, BEIJING NORMAL UNIVERSITY, CHINA	
SOUZA, ALEXANDRE	BRAZILIAN BIOETHANOL SCIENCE AND TECHNOLOGY LABORATORY (CTBE)/ BRAZILIAN CENTER FOR RESEARCH IN ENERGY AND MATERIALS (CNPEM), BRAZIL	Parallel Session 4, Level 9 - Executive Room A
SQUIBB, JAMES	IMPLAN GROUP, LLC, UNITED STATES	Parallel Session 4, Conference Room 1 (Level 3)
STEHRE, ROBERT	THE VIENNA INSTITUTE FOR INTERNATIONAL ECONOMIC STUDIES - WIIW, AUSTRIA	
STEINBERG, JOSEPH	UNIVERSITY OF TORONTO, CANADA	Parallel Session 4, Conference Room 3 (Level 3)
STRACOVÁ, ERIKA	UNIVERSITY OF ECONOMICS IN BRATISLAVA, SLOVAK REPUBLIC	Parallel Session 3 - Development Programme, Level 9 - Executive Room B
STREICHER, GERHARD	WIFO - AUSTRIAN INSTITUTE OF ECONOMIC RESEARCH, AUSTRIA	Parallel Session 6, Auditorium A
STRIZHKOVA, LIUBOV	INSTITUTE OF MACROECONOMIC RESEARCHES OF RUSSIAN FOREIGN TRADE ACADEMY, RUSSIAN	Parallel Session 1, Conference Room 5 (Level 3)
SUH, SANGWON	UNIVERSITY OF CALIFORNIA, SANTA BARBARA, UNITED STATES	Parallel Session 1, Conference Room 1 (Level 3)
ŠVARDOVÁ, VIKTÓRIA	UNIVERSITY OF ECONOMICS IN BRATISLAVA, SLOVAK REPUBLIC	Parallel Session 7, Level 1 Auditorium

FULL NAME	INSTITUTION, COUNTRY	CONFERENCE PRESENCE
SWALES, KIM	UNIVERSITY OF STRATHCLYDE, UNITED KINGDOM	Parallel Session 6, Level 9 - Executive Room B Parallel Session 6, Level 9 - Executive Room B
TAKAYABU, HIROTAKA	KYUSHU UNIVERSITY, JAPAN	Parallel Session 9, Conference Room 2 (Level 3)
TANDON, ANJALI	INSTITUTE FOR STUDIES IN INDUSTRIAL DEVELOPMENT (ISID), INDIA	Parallel Session 8, Conference Room 7 (Level 3)
TERAN-VARGAS, JOSE	INEGI, MEXICO	Parallel Session 4, Conference Room 1 (Level 3)
THIERFELDER, KAREN	U.S. NAVAL ACADEMY, UNITED STATES	Parallel Session 1, Level 1 Auditorium
THOMAS, DOUGLAS	NIST, UNITED STATES	Parallel Session 1, Conference Room 1 (Level 3)
THOMASSIN, PAUL	MCGILL UNIVERSITY, CANADA	
TIAN, KAILAN	ACADEMY OF MATHEMATICS AND SYSTEMS SCIENCE, CHINESE ACADEMY OF SCIENCES, CHINA	Parallel Session 9, Conference Room 1 (Level 3)
TISHINA, LIUDMILA	INSTITUTE OF MACROECONOMIC RESEARCHES OF RUSSIAN FOREIGN TRADE ACADEMY, RUSSIAN	
TOBARRA-GOMEZ, MARIA A.	UNIVERSIDAD DE CASTILLA - LA MANCHA, SPAIN	Parallel Session 6, Auditorium A
TÖBBEN, JOHANNES	NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, NORWAY	Parallel Session 3 - Development Programme, Level 1 Auditorium
TOHMO, TIMO	UNIVERSITY OF JYVÄSKYLÄ, FINLAND	
TOHNO, SUSUMU	KYOTO UNIVERSITY, JAPAN	
TOKITO, SHOHEI	KYUSHU UNIVERSITY, JAPAN	Parallel Session 8, Conference Room 3 (Level 3)
TONINI, FRANCESCO	POLITECNICO DI MILANO, ITALY	Parallel Session 3 - Development Programme, Conference Room 3 (Level 3)
TORO, FRANCISCA	UNIVERSITY OF BARCELONA, SPAIN	
TORRES, LUIS DANIEL	UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO, MEXICO	Parallel Session 2, Level 9 - Executive Room A
TOUZA, LARA	REAL INSTITUTO ELCANO, SPAIN	
TRIGG, ANDREW	THE OPEN UNIVERSITY, UNITED KINGDOM	Parallel Session 9, Conference Room 8 (Level 3)
TRINH, BUI	VIETNAM NATIONAL ACCOUNTS DEPARTMENT, VIETNAM	
TURNER, KAREN	UNIVERSITY OF STRATHCLYDE, UNITED KINGDOM	
UCHIDA, IZUMI	KYUSHU UNIVERSITY, JAPAN	Parallel Session 7, Conference Room 6 (Level 3)
USUBIAGA, ARKAITZ	UCL INSTITUTE FOR SUSTAINABLE RESOURCES, UNITED KINGDOM	Parallel Session 4, Conference Room 7 (Level 3)
UTIT, CHAKRIN	UNIVERSITI PUTRA MALAYSIA, MALAYSIA	Parallel Session 2, Conference Room 1 (Level 3)
VALDERAS JARAMILLO, JUAN MANUEL	UNIVERSIDAD DE SEVILLA, SPAIN	Parallel Session 2, Conference Room 7 (Level 3) Parallel Session 5, Level 1 Auditorium
VALDES IBARRA, MIRIAM	UNIVERSIDAD AUTONOMA DE COAHUILA, MEXICO	
VALE, VINICIUS	FEDERAL UNIVERSITY OF PARANA, BRAZIL	Parallel Session 5, Auditorium A
VAN DEN CRUYCE, BART	FEDERAAL PLANNING BUREAU, BELGIUM	Parallel Session 1, Level 9 - Executive Room B
VAN DER MENSBRUGGHE, DOMINIQUE	PURDUE UNIVERSITY, UNITED STATES	
VAN VUUREN, DETLEF	PBL NETHERLANDS ENVIRONMENTAL ASSESSMENT AGENCY, NETHERLANDS	
VARGA, EVA	HUNGARIAN CENTRAL STATISTICAL OFFICE, HUNGARY	
VELAZQUEZ-AFONSO, AGUSTIN	JOINT RESEARCH CENTRE. EUROPEAN COMMISSION, SPAIN	
VENKATESH, ANURADHA	CENTER FOR STUDY OF SCIENCE, TECHNOLOGY & POLICY, INDIA	Parallel Session 7, Conference Room 1 (Level 3)
VERCALSTEREN, AN	VITO, BELGIUM	Parallel Session 4, Conference Room 8 (Level 3)
VILLAMOR, ESTITXU	UNIVERSITY OF BASQUE COUNTRY, SPAIN	Parallel Session 4, Level 1 Auditorium

FULL NAME	INSTITUTION, COUNTRY	CONFERENCE PRESENCE
VIRTANEN, LAURA	CENTER FOR REGIONAL AND TOURISM RESEARCH, DENMARK	Parallel Session 9, Conference Room 5 (Level 3)
VUNNAVA, VENKATA SAI GARGEYA	PURDUE UNIVERSITY, UNITED STATES	
WAKIYAMA, TAKAKO	UNIVERSITY OF SYDNEY AND IGES, JAPAN	Parallel Session 9, Conference Room 7 (Level 3)
WANG, DAOPING	INSTITUTE OF FINANCE AND ECONOMICS, SHANGHAI UNIVERSITY OF FINANCE AND ECONOMICS, CHINA	
WANG, FEI	UNIVERSITY OF INTERNATIONAL BUSINESS AND ECONOMICS, CHINA	
WANG, JIAYU	CENTER FOR ENERGY & ENVIRONMENT POLICY RESEARCH, BIT, CHINA	Parallel Session 2, Conference Room 4 (Level 3)
WANG, KE	CENTER FOR ENERGY AND ENVIRONMENTAL POLICY RESEARCH & SCHOOL OF MANAGEMENT AND ECONOMICS, BEIJING INSTITUTE OF TECHNOLOGY, CHINA	
WANG, YAFEI	INSTITUTE OF NATIONAL ACCOUNTS, BEIJING NORMAL UNIVERSITY, CHINA	Parallel Session 9, Conference Room 7 (Level 3)
WANG, YAFEI	CHONGQING NORMAL UNIVERSITY, CHINA	
WANG, ZHI	USITC, UNITED STATES	
WATANABE, MARCOS	CTBE/CNPEM, BRAZIL	
WEI, RUI	SCHOOL OF ECONOMICS AND TRADE, HUNAN UNIVERSITY, CHINA	
WEI, WAN	PARTY SCHOOL OF JIANGSU PROVINCIAL PARTY COMMITTEE, CHINA	Parallel Session 3 - Development Programme, Conference Room 2 (Level 3)
WEILER, STEPHAN	COLORADO STATE UNIVERSITY, UNITED STATES	
WIEBE, KIRSTEN	NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, NORWAY	Parallel Session 5, Conference Room 5 (Level 3)
WIEDMANN, THOMAS	UNSW, AUSTRALIA	
WIELAND, HANSPETER	INSTITUTE FOR ECOLOGICAL ECONOMICS (WU VIENNA), AUSTRIA	
WILTING, HARRY	PBL NETHERLANDS ENVIRONMENTAL ASSESSMENT AGENCY, NETHERLANDS	Parallel Session 6, Conference Room 2 (Level 3)
WIRKIERMAN, ARIEL	GOLDSMITHS, UNIVERSITY OF LONDON, UNITED KINGDOM	Parallel Session 2, Auditorium A
WOLTER, MARC INGO	INSTITUTE FOR ECONOMIC STRUCTURES RESEARCH (GWS), GERMANY	Parallel Session 7, Level 9 - Executive Room B
WOOD, RICHARD	NTNU, NORWAY	Parallel Session 2, Conference Room 7 (Level 3)
WU, RUI	NANJING NORMAL UNIVERSITY, CHINA	Parallel Session 8, Level 1 Auditorium
XIA, YAN	INSTITUTES OF SCIENCE AND DEVELOPMENT, CAS, CHINA	Parallel Session 6, Conference Room 6 (Level 3)
YAGI, TAKASHI	MEIJI UNIVERSITY, SCHOOL OF POLITICAL SCIENCE AND ECONOMICS, JAPAN	Parallel Session 2, Conference Room 5 (Level 3)
YAMANO, NORIHIKO	OECD, FRANCE	Parallel Session 4, Conference Room 7 (Level 3)
YAN, BINGQIAN	CHINESE ACADEMY OF SOCIAL SCIENCES, CHINA	Parallel Session 8, Conference Room 6 (Level 3)
YAN, XIAOYU	UNIVERSITY OF EXETER, UNITED KINGDOM	
YANG, CUIHONG	SOUTH BUILDING, ACADEMY OF MATHEMATICS AND SYSTEMS SCIENCE, CAS, CHINA	Parallel Session 8, Conference Room 4 (Level 3)
YANG, JANGHO	NEW SCHOOL FOR SOCIAL RESEARCH, UNITED STATES	
YE, MING	OECD, FRANCE	Parallel Session 1, Conference Room 8 (Level 3)
YEO, YEONGJUN	SEOUL NATIONAL UNIVERSITY, KOREA, REPUBLIC OF	Parallel Session 6, Conference Room 8 (Level 3)
YONEZAWA, HIDEMICHI	STATISTICS NORWAY, NORWAY	
YUAN, JIANQIN	STATE INFORMATION CENTER(SIC), CHINA	
YUAN, XIAOHUI	RESEARCH CENTRE FOR JIANGSU APPLIED ECONOMICS, JIANGSU ADMINISTRATION INSTITUTE, CHINA	
ZAFRILLA, JORGE	UNIVERSITY OF CASTILLA-LA MANCHA, SPAIN	Parallel Session 1, Conference Room 2 (Level 3)

FULL NAME	INSTITUTION, COUNTRY	CONFERENCE PRESENCE
ZELIN, JIANG	INSTITUTE FOR THE DEVELOPMENT OF CENTRAL CHINA, WUHAN UNIVERSITY, CHINA	Parallel Session 2, Conference Room 2 (Level 3)
ZENZ, DAVID	VIENNA INSTITUTE FOR INTERNATIONAL ECONOMIC STUDIES, AUSTRIA	
ZHANG, HONG	TSINGHUA UNIVERSITY, CHINA	Parallel Session 5, Conference Room 1 (Level 3)
ZHANG, HONGXIA	SCHOOL OF ECONOMICS, RENMIN UNIVERSITY OF CHINA, CHINA	Parallel Session 9, Level 1 Auditorium
ZHANG, JUNRONG	ACADEMY OF MATHEMATICS AND SYSTEMS SCIENCE, CHINESE ACADEMY OF SCIENCES, CHINA	Parallel Session 1, Conference Room 2 (Level 3)
ZHANG, XUEMEI	UNIVERSITY OF CHINESE ACADEMY OF SCIENCES, CHINA	
ZHANG, YAXIONG	INTERNATIONAL COOPERATION CENTRE OF NDRC, CHINA, CHINA	Parallel Session 7, Conference Room 4 (Level 3) Parallel Session 8, Conference Room 4 (Level 3)
ZHANG, ZENGKAI	TIANJIN UNIVERSITY, CHINA	Parallel Session 3 - Development Programme, Auditorium A
ZHANG, ZHONGHUA	TSINGHUA UNIVERSITY, CHINA	Parallel Session 4, Level 1 Auditorium
ZHANG, ZHUOYING	ACADEMY OF MATHEMATICS AND SYSTEMS SCIENCE, CHINESE ACADEMY OF SCIENCES, CHINA	Parallel Session 9, Conference Room 7 (Level 3)
ZHAO, HAOYANG	UNIVERSITY OF CHINESE ACADEMY OF SCIENCE, CHINA	
ZHENG, HERAN	UNIVERSITY OF EAST ANGLIA, UNITED KINGDOM	Parallel Session 3 - Development Programme, Auditorium A Parallel Session 5, Conference Room 5 (Level 3)
ZHONG, SHENG	ENERGY STUDIES INSTITUTE, NATIONAL UNIVERSITY OF SINGAPORE, SINGAPORE	Parallel Session 1, Conference Room 3 (Level 3)
ZHOU, DEQUN	NANJING UNIVERSITY OF AERONAUTICS AND ASTRONAUTICS, CHINA	
ZHU, KUNFU	RESEARCH CENTER OF GLOBAL VALUE CHAINS, UIBE, CHINA	
ZHU, LINGXIU	ACADEMY OF MATHEMATICS AND SYSTEMS SCIENCE, CAS; UNIVERSITY OF CHINESE ACADEMY OF SCIENCES, CHINA	Parallel Session 2, Conference Room 2 (Level 3)
ZHU, XUEQIN	WAGENINGEN UNIVERSITY, NETHERLANDS	
ZIKA, GERD	INSTITUTE FOR EMPLOYMENT RESEARCH, GERMANY	
ZOTTI, JACOPO	UNIVERSITY OF TRIESTE - DEPARTMENT OF POLITICAL AND SOCIAL SCIENCES, ITALY	
ZUOYI, YE	SHANGHAI UNIVERSITY OF INTERNATIONAL BUSINESS AND ECONOMIC, CHINA	Parallel Session 2, Conference Room 6 (Level 3)