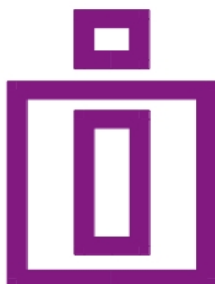




23rd IIOA Conference in MEXICO CITY

CONFERENCE PROGRAM

21/Jun/2015 - 26/Jun/2015



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

PROGRAM OVERVIEW

Time	Sun, 21/Jun/2015	Mon, 22/Jun/2015	Tue, 23/Jun/2015	Wed, 24/Jun/2015	Thu, 25/Jun/2015	Fri, 26/Jun/2015
09:00 - 09:30		Coffee Break	Opening Ceremony	Coffee	Parallel Session 7	Coffee
09:30 - 10:00		International School of Input-Output Analysis (Session 1)	Plenary Session 1. Keynote Speaker: Jose Antonio Ocampo	Plenary Session 2. Keynote Speaker: Hubert Escaith		Plenary Session 3. Keynote Speaker: Jaime Ros Bosch
10:00 - 10:30			Coffee Break	Coffee Break		Coffee Break
10:30 - 11:00			Coffee Break	Parallel Session 1		Parallel Session 4
11:00 - 11:30		International School of Input-Output Analysis (Session 2)	Coffee Break			
11:30 - 12:00		Lunch	Lunch		Lunch	
12:00 - 12:30		Excursion	Parallel Session 2	Parallel Session 5	Parallel Session 9	
12:30 - 13:00						
13:00 - 13:30						
13:30 - 14:00						
14:00 - 14:30	IIOA Council Meeting (14:00 - 18:00 hours)	International School of Input-Output Analysis (Session 3)	Parallel Session 2	Parallel Session 5	Parallel Session 9	
14:30 - 15:00	Early check-in and on-site registration					Coffee Break
15:00 - 15:30						Coffee Break
15:30 - 16:00	IIOA Council Meeting (14:00 - 18:00 hours)	International School of Input-Output Analysis (Session 4)	Coffee Break	Coffee Break	Coffee Break	
16:00 - 16:30			Parallel Session 3	Parallel Session 6	Parallel Session 10	
16:30 - 17:00		Closing Session of the International School of Input-Output Analysis				IIOA General Assembly
17:00 - 17:30		ISIOA - International School of IO, Opening and Welcome Reception	Welcome Reception for the International I-O Conference	IIOA Council Meeting II	Editorial Board Meeting: Economic Systems Research	
17:30 - 18:00						
18:00 - 18:30						
18:30 - 19:00						
19:00 - 19:30						
19:30 - 20:00						
20:00 - 20:30						
20:30 - 21:00						

SESSION PLAN

Sun, 21/Jun/2015

- 14:00 - 14:30 *IIOA Council Meeting (14:00 - 18:00 hours)*
Location: **Room 207**
- 14:30 - 16:00 *Early check-in and on-site registration*
Location: **Lobby of the Graduate Faculty Building**
- 16:00 - 18:00 *IIOA Council Meeting (14:00 - 18:00 hours)*
Location: **Room 207**
- 18:00 - 20:00 *ISIOA - International School of IO, Opening and Welcome Reception*
Location: **Reception Area, 1st floor of the Graduate Building**

Mon, 22/Jun/2015

- 09:00 - 09:30 *Coffee Break*
Location: **Coffee Break Area, 3rd floor of the Graduate Building**
- 09:30 - 11:00 *International School of Input-Output Analysis (Session 1)*
- 11:00 - 11:30 *Coffee Break*
Location: **Coffee Break Area, 3rd floor of the Graduate Building**
- 11:30 - 13:00 *International School of Input-Output Analysis (Session 2)*
- 13:00 - 14:00 *Lunch*
Location: **Lunch Area, East side of the Graduate Building**
- 14:00 - 15:30 *International School of Input-Output Analysis (Session 3)*
- 15:30 - 16:00 *Coffee Break*
Location: **Coffee Break Area, 3rd floor of the Graduate Building**
- 16:00 - 17:30 *International School of Input-Output Analysis (Session 4)*
- 17:30 - 18:30 *Closing Session of the International School of Input-Output Analysis*
- 18:30 - 21:00 *Welcome Reception for the International I-O Conference*
Location: **Reception Area, 1st floor of the Graduate Building**

Tue, 23/Jun/2015

- 09:00 - 09:30 *Opening Ceremony*
Location: **Alfonso Caso Auditorium**
- 09:30 - 10:30 *Plenary Session 1. Keynote Speaker: Jose Antonio Ocampo*
Location: **Alfonso Caso Auditorium**

10:30 - 11:00 *Coffee Break*

Location: **Coffee Break Area, 3rd floor of the Graduate Building**

11:00 - 13:00 **Parallel Session 1**

- Location: **Room 102**

Topic: **Input-Output Tables as a Network I**

Chair: Fidel Aroche Reyes

1. Canada and Mexico trade patterns: an ego networks approach
by *Mariel Gaytan, Leobardo Enriquez Hernandez, LUIS ORTEGA*
2. A pretopology analysis for the dissemination of pulses in the economy: a case of study for Mexico and Brazil
by *José Manuel Márquez, Oscar Córdoba*
3. Key Countries Identification in the World Production Networks through Intercentrality Measures
by *LUIS ORTEGA*
4. Identification of important sectors and coefficients: comparison of the productive structure of Mexico and Brazil.
by *Itzel Guadalupe Vázquez López, Eric Hernández Ramírez, Omar Eduardo Peredo Aquino, Jair Soto*

- Location: **Room 202**

Topic: **Policy Analysis I**

Chair: Bjarne Madsen

1. Economic effects of NAFTA on the Northeast Mexico economy
by *Joana Cecilia Chapa*
2. An analysis of Production linkages in a constructive macro framework: Evidence from Indian economy.
by *BIJESH V*
3. Co-benefit potentials of water conservation and energy saving from the life-cycle perspective: A study of iron and steel sector in China
by *Xinzhu Zheng, Liyang Wan*
4. Gains from trade: the Costa Rican case
by *Alonso Alfaro Ureña*

- Location: **Room 203**

Topic: **Disaster Analysis I**

Chair: Albert Steenge

1. Modeling the Flood Footprint of “721 Beijing flood”
by *Zhao Zeng, yang xia, Dabo Guan, David Mendoza*

2. Inoperability Extended Multisectoral Model (IEMM) for Interdependent Systems: The UK case
by *Yousaf Ali, Maurizio Ciaschini, Rosita Pretaroli, Claudio Socci*
3. Economic impact of natural gas flow disruptions
by *Jan Oosterhaven, Maaïke Corinne Bouwmeester*
4. Resilience as a structural transformation after extreme weather events: An input-output analysis
by *Paola Sakai, David Mendoza*

● Location: **Room 204**

Topic: **International Linked Systems of Models**

Chair: Doug Meade

1. Modelling bilateral international trade flows. The INFORUM Legacy
by *Rossella Bardazzi, Leonardo Ghezzi, Douglas Shannon Meade*
2. TINFORGE – Trade in the INterindustry FORecasting GERmany Model
by *Anett Großmann*
3. Tax Simulations using FIDELIO, a Multi-Regional Econometric IO Model
by *Gerhard Streicher, Kurt Kratena*

● Location: **Room 205**

Topic: **Eurostat: Revisions**

Chair: Peter Rørnøse Jensen

1. Implementation of SNA 2008 in Russian SUTs for 2011
by *Natalia Ustinova, Irina Masakova*
2. ESA 2010: Main changes in Hungarian SIOT
by *Forgon Mária, Eva Varga*
3. Implementation of ESA2010 in European countries: comparative analysis to ESA1995
by *Isabelle Rémond-Tiedrez*
4. Back-casting ESA 2010 and other revisions to the Danish 2005-2010 supply-use tables and input tables back to 1966
by *Peter Rørnøse Jensen*

● Location: **Room 206**

Topic: **Crosshauling in regional models**

Chair: Esteban Fernandez

1. Input-Output Based Cluster Method to Identify Traded Industry Clusters in the Cali-Baja Binational Mega-Region
by *Daniel Flyte, Sanchita Mukherjee, Daniel Flyte, Alejandro Brugués*

2. Using CHARM to Adjust for Cross-Hauling: New Results for the Province of Hubei, China
by *Anthony Travers Flegg, Yongming Huang, Timo Tohmo*
3. Estimating the Value of Local Food Markets in the State of Wisconsin
by *David Duane Kay, Greg Alward, Stephen Cooke, Alfonso Morales, Philip Watson*

● Location: **Room 207**

Topic: **Perspectives on Structure and Change**

Chair: Rosa Duarte

1. Are there reasons for an unconditional yes to the European Union?
by *Milagros Dones Tacero*
2. Structural Decomposition Analysis (SDA) for the Mexican Economy: 2003-2012.
by *ANA BELEN RIOS, Rafael César Bouchain, Zeus Guevara, Lizeth Rojas*
3. The Transition of Labor Compensation's Share of GDP in Argentina from Peak to Peak, 1996-2006
by *Guadalupe Gutierrez Escribano, Maia Giselle de la Calle*

● Location: **Room 209**

Topic: **Tracing Carbon Emissions in Global Value Chains I**

Chair: Bo Meng

1. A Unified Framework of Trade in Value Added; Physical, Monetary, Exchange Rates, and GHG Emissions
by *Asao Ando, Bo Meng*
2. Global income inequality and carbon footprints
by *Klaus Hubacek, giovanni baiocchi, Kuishuang Feng, Raul Munoz Castillo, Laixiang Sun, Jinjun XUE*
3. Production Sharing, Demand Spillovers and CO2 Emissions: The Case of Chinese Regions in GVCs
by *Jiansuo Pei, Jinjun XUE*
4. Tracing CO2 Emissions in Global Value Chains
by *Bo Meng, Glen Peters, Zhi Wang*

13:00 - 14:00 *Lunch*

Location: **Lunch Area, East side of the Graduate Building**

14:00 - 16:00 Parallel Session 2

● Location: **Room 102**

Topic: **Innovative SAM Structures**

Chair: Elena Staritsyna

1. A Labour-Oriented SAM for India: Focus on Green Sector
by *Anushree Sinha, Avantika Prabhakar*

2. Application of a Green-Jobs SAM with Employment and CO2 Satellites for Informed Green Policy Support: The case of Indonesia
by *Jorge Victor Alarcon, Priya Darshan Sharma*
3. Dynamic Social Accounting Matrix: Methodology
by *Priya Darshan Sharma, Jorge Victor Alarcon, Christoph Ernst*
4. In data we trust: Challenges of compiling input-output tables as official statistics
by *Andrew Cadogan-Cowper*

● Location: **Room 204**

Topic: **I-O Concepts: New and Old**

Chair: Bert Steenge

1. The Concept of Equilibrium and the Room for Economic Policy in W. Leontief's Work
by *FIDEL AROCHE*
2. Continuous Industrial Production, the Sraffa System and Leontief's Dynamic Inverse
by *Rajas Kamalakar Parchure*
3. De- vs. re-industrialisation: is structural change reversible?
by *Michael Peneder, Gerhard Streicher*

● Location: **Room 205**

Topic: **Regional Modeling**

Chair: Michael Lahr

1. A comparative analysis for constructing regional input-output tables, for Sonora, Mexico, from the bottom-up approach, its methodology and advantages over the top-down approach.
by *Normand Eduardo Asuad, José Manuel Sánchez Gamboa, KARINA GARDUÑO*
2. Bio-refineries as a regional development strategy: A regional input-output analysis
by *Giovanni Mandras, Giorgio Garau, Devrim Murat Yazan*
3. Constructing a China's Multi-Year Multi-Provincial Input-Output Table
by *Chen Pan, Jianwu He, Shantong Li*

● Location: **Room 206**

Topic: **Environmental Policy I**

Chair: Dabo Guan

1. Economic Impacts of Air Pollution Induced Health Loss in China
by *yang xia*
2. Evaluating the Impact of the Introcution of a Carbon Tax in Portugal Using Input-Output-based Models
by *Ana Maria Dias*

3. Global emissions chains and multinational enterprises: measuring responsibilities following the control criterion
by *Jorge Enrique Zafrilla, Guadalupe Arce, Maria Angeles Cadarso, Luis A. Lopez*
4. The Environmental Impact of Human Needs
by *Ricardo Gibrán Vita, Edgar G. Hertwich, Konstantin Stadler, Richard Wood*

● Location: **Room 207**

Topic: **Dynamic Methods I**

Chair: Bart Los

1. Estimating the Mexican Economy's Growth Potential for 2016 using a Dynamic Input-Output Model
by *Alejandra Estrada, Oscar Córdoba, José Manuel Márquez, Roberto Carlos Orozco-Morales*
2. Modeling of an investment activity in a macroeconometric GE-IO model of the Russian economy
by *Vadim Manavirovich Gilmundinov*
3. Structural Reforms, Classes and Poverty in Mexico: A Multisectoral Dynamic Model
by *Irene Margarita Cortez Melendrez, Noé Arón Fuentes, Gabriel Gonzalez-Konig*

● Location: **Room 208**

Topic: **Capturing Production Heterogeneity I**

Chair: Satoshi Inomata

1. Decomposing service value-added content of international trade: the roles of distribution, business services and non-resident activities
by *Norihiko Yamano*
2. Productivity Differences in the Vertically Integrated Sectors in North America: A Trinational Study
by *Marco Antonio Marquez, Fidel Aroche*
3. Structural Change in External Economic Linkages of India
by *Simi Thambi*
4. The CO2 Emissions Embodied in International Trade: A New World-wide multi-regional Input-output Table Capturing Trade Heterogeneity
by *Cuihong Yang, Quanrun Chen, Xuemei Jiang, ZHU Kunfu*

● Location: **Room 209**

Topic: **CGE Policy Modeling; R&D and Fiscal Distress**

Chair: Horacio Sobarzo Fimbres

1. Economy wide impact of R&D: Evidence based on Computable General Equilibrium model for Selected ASEAN countries
by *ARPITA GHOSE, Pierre Mohnen, Kakali Mukhopadhyay*

2. Essential Level of Care and fiscal sustainability in Italy
by *Francesca Severini, Maurizio Ciaschini, Rosita Pretaroli, Claudio Socci*
3. Financial distress, ECB, and investment behavior of the economic agents – The case of Italy
by *Irfan Ahmed*
4. R&D content of intermediate inputs and Productivity in Indian industries
by *Chandrima Sikdar, Kakali Mukhopadhyay*

16:00 - 16:30 *Coffee Break*

Location: **Coffee Break Area, 3rd floor of the Graduate Building**

16:30 - 18:30 Parallel Session 3

● Location: **Room 102**

Topic: **The Value of Trade**

Chair: Renato Vargas

1. Gravity in a world of global value chains. The international input-output structure as a determinant of bilateral trade.
by *Sebastien Miroudot*
2. Input-output calculus of international trade
by *Kirill Muradov*
3. Measuring Colombia's value added exports
by *Enrique Gilles Romero*
4. The change of Domestic Value-added in China's Exports: A Structural Decomposition Analysis Approach
by *Lianling Yang*

● Location: **Room 202**

Topic: **Carbon Emissions**

Chair: Carolina Ingrid Betancourt Quiroga

1. The Impact of China's announcement on carbon emissions
by *Shantong Li, Jianwu He*
2. The Carbon Footprint of Housing Policy in Mexico from 2000 to 2012
by *Carolina Ingrid Betancourt Quiroga, LEONOR PATRICIA GÜERECA HERNÁNDEZ*
3. Assessment of economic and environmental impacts of low-carbon investment on renewable energy sectors in Yokohama
by *Takako Wakiyama, Ambiyah Abdullah*
4. GHG Emissions' Tax in Brazil using an Input-Output Model
by *Luiz Carlos Santana Ribeiro, Kênia Barreiro de Souza, Lucio Flavio da Silva Freitas, Geoffrey J.D. Hewings*

● Location: **Room 203**

Topic: **Energy Policy**

Chair: Rafael César Bouchain

1. Analysis of the Effect of Pre-and-Post Energy Price Reform on the Cost of Living of the Iranian Households
by *Ali Asghar Banouei, soheila - parvin*
2. Energy Input-Output Analysis for México with an Extension of the Hybrid Model
by *Oscar Córdoba, Zeus Guevara, Rafael César Bouchain*
3. Impact of Cleaner Energy in I-O framework with reference to India
by *Medhavinee Narendra Watve*

● Location: **Room 204**

Topic: **The Impacts of Trade I**

Chair: Kristine Joy Cruz Martin

1. Effects free trade agreement between United States and Colombia on Employment and Gross Domestic Product: A regional Case
by *Jaime Flórez B.*
2. Impact of increase in exports on employment: Indian Case
by *Mahua Paul, Tulika Bhattacharya*
3. Re-examination of the Growth and Dynamics of the Philippine Net-exports Using the Import-Adjusted Approach (1961-2000)
by *Kristine Joy Cruz Martin*
4. The competitiveness of Brazilian manufacturing in both domestic and international markets
by *Julia Ferreira Torracca, marta reis castilho*

● Location: **Room 205**

Topic: **Eurostat: Updating Supply and Use Tables, further extensions**

Chair: Maike Bouwmeester

1. Historical Industry Economic Accounts in the United States: A Full Integration
by *David B. Wasshausen, Erich H. Strassner*
2. Review of European methodologies for SUIOT compilation in ESA2010
by *Isabelle Rémond-Tiedrez*
3. Updating the Supply and Use Tables for Asia: Why It matters
by *Eileen Pantua Capilit*
4. Eurostat's plans to promote environmentally-extended input-output analysis
by *Maike Corinne Bouwmeester*

● Location: **Room 206**

Topic: **Why Do Regions Matter? Recent Developments in Interregional I-O Analyses I**

Chair: Satoshi Inomata

1. Interregional input-output modeling: spillover effects, feedback loops and intra-industry trade
by *Jan Oosterhaven, Geoffrey J.D. Hewings*
2. Exploratory analysis of China's interregional trade during 1997-2007
by *Geoffrey J.D. Hewings, Qi GUO, Satoshi Inomata, Bo Meng*
3. Measuring the Level of Participation and Position of Chinese Regions in Global Value Chains
by *Bo Meng, Robert B Koopman, Zhi Wang*
4. The Competitiveness of Italian Regions in a Network of Value Chains
by *Bart Los, Luca Cherubini*

● Location: **Room 207**

Topic: **SAM and Multiplier Analysis**

Chair: Rosita Pretaroli

1. Convenient policy paths for EU Structural Funds in Romania
by *Andrea Karim El Meligi, Maurizio Ciaschini, Nicoleta Anca Matei, Rosita Pretaroli, Claudio Socci*
2. Enterprise size and returns to scale effects in energy and non-energy industries
by *Nicoleta Anca Matei, Maurizio Ciaschini, Andrea Karim El Meligi, Rosita Pretaroli, Claudio Socci*
3. Gender policies and support programs for early childhood
by *Noemi Ferracuti, Francesca Severini, Claudio Socci*
4. Violence against women and economic impact: the Italian case
by *Clio Ciaschini, Rosita Pretaroli*

● Location: **Room 209**

Topic: **Climate Change Topics**

Chair: Klaus Hubacek

1. Climate Change across Mexican Regions: Integrating Direct, Indirect, and Dynamic Effects in Simulation
by *Cinthia Quevedo, Noé Arón Fuentes, Alejandro Brugués*
2. Effects of energy policy on global water resources facing future climate change
by *Liyang Wan, Xinzhu Zheng, YONGKAI JIANG*
3. Socioeconomic and environmental effects of the Mexican climate policies
by *Cristina de la Rúa, Yolanda Lechón, Helena Cabal, Irene Rodríguez Serrano*
4. The increase in the Brazilian household income and the impact on CO2 emissions: evidence for 2003 and 2009 from input-output tables
by *Vinicius de Almeida Vale, Weslem Rodrigues Faria, Fernando Salgueiro Perobelli*

18:30 - 20:30 *IIOA Council Meeting II*

Wed, 24/Jun/2015

09:00 - 09:30 *Coffee*

Location: **Coffee Break Area, 3rd floor of the Graduate Building**

09:30 - 10:30 *Plenary Session 2. Keynote Speaker: Hubert Escaith*

Location: **Alfonso Caso Auditorium**

10:30 - 11:00 *Coffee Break*

Location: **Coffee Break Area, 3rd floor of the Graduate Building**

11:00 - 13:00 **Parallel Session 4**

- Location: **Room 102**

Topic: **Capturing Production Heterogeneity I**

Chair: Cuihong Yang

1. Does China's Structural Reform Slow Trade?
by *Jiansuo Pei, Cuihong Yang*
2. Methods of computing the factor content of trade using the international input-output model
by *Hongxia Zhang*
3. The Mexican Manufacturing Industry and its heterogeneous integration in Global Value Chains
by *Juan Carlos Castillo*
4. TiVA for policy-making: an application to the rules of origin
by *Satoshi Inomata*

- Location: **Room 201**

Topic: **Input-Output Tables as a Network II**

Chair: Luis Ortega

1. Betweenness-based framework to identify critical transmission sectors for environmental pressure mitigation
by *Sai Liang, Ming Xu*
2. Mexico vs. China in Global Value Chains: Who is the hare and who is the tortoise?
by *Manuel García-Ramos, Gerardo Fujii*
3. The energy and telecommunications sectors in the input-output matrix for 2003, 2008 and 2012. A network approach.
by *Eric Hernández Ramírez, Oscar Córdoba, Jose Luis Mateos, Rafael Bouchain, ANA BELEN RIOS*
4. Transmission of Shocks along the Global Value Chain
by *Hyok Jung Kim, Jinmyon Lee*

● Location: **Room 203**

Topic: **Disaster Analysis II**

Chair: Fatemeh Bazzazan

1. Application of Computable General Equilibrium Model to Economic Impact Assessment of Natural Disaster: the Case of the 2011 Great East Japan Earthquake
by *Yoshio Kajitani, Hirokazu Tatano*
2. Multi-City Flood Footprint Assessment
by *David Mendoza, Dabo Guan, Albert Steenge*
3. 'Core Models' in Input-Output Based Disaster Impact Models
by *Albert Steenge*

● Location: **Room 204**

Topic: **Input-Output Analysis under Fuzziness, Uncertainty, and Bootstrapping**

Chair: Joao Rodrigues

1. Bootstrapping input-output uncertainty
by *Yanjiao Cao, Shangbo Ji, Xu Jian*
2. Flexible Consumption Coefficients and the Augmented Input Output Model
by *Mousumi Pal*
3. Using the Regional Social Accounting Matrix to Forecast Household Expenditures: a Fuzzy Approach
by *Ganna Makarkina, Michael L Lahr*

● Location: **Room 205**

Topic: **Designing of Energy Policies with I-O**

Chair: Monica Serrano

1. Evaluating new technologies of biorefineries in Brazil through the application of input-output analysis
by *Romulo Neves Ely, Victoria Emilia Neves Santos, Alexandre Salem Szklo*
2. Evaluation of Change in the Energy Intensity of Industries in Mexico and Brazil from 1980 to 2005
by *José Manuel Márquez*
3. Vertex Centralities in Input-Output Networks: A Comparative Analysis of Energy and Telecommunications Sectors between Mexico and OECD countries
by *Mariana Velazquez, Eric Hernández Ramírez, Jose Luis Mateos, Sergio Ignacio Muñoz Iturralde, Rafael Bouchain*
4. Why the primary energy intensities of the EU15 differ? An input-output approach
by *Zeus Guevara, Sergio Ignacio Muñoz Iturralde, Sofia Teives Henriques, José Alfredo Vargas Santos, Tânia Costa Sousa*

● Location: **Room 206**

Topic: **MRIOcasting I: Backcasting and Forecasting**

Chair: Kirsten Wiebe

1. A Cycling Method for Constructing Input-Output Table Time Series from Incomplete Data
by *Arne Geschke, Keiichiro Kanemoto, Manfred Lenzen, Daniel Moran, Maria Cecilia Pinto de Moura*
2. A Compilation Method Improvement on China Multi-Regional IO Model —Based on 2007 China IO data Consistency Check
by *Yaxiong Zhang, Jianqin Yuan*
3. The employment consequences of material efficiency: an analysis of steel re-use in the UK construction sector
by *Simone Cooper, Julian Mark Allwood, Anne Owen, Alexandra Clara Hansa Skelton*
4. The impact of renewable energy diffusion on European consumption-based emissions
by *Kirsten Svenja Wiebe*

● Location: **Room 207**

Topic: **Productivity Analysis I**

Chair: Xiuli Liu

1. Measuring Total Factor Productivity: A Comparison of Mexico and Brazil, 1995-2011
by *Claudia Minerva Córdova Martínez, Alejandra Estrada, José Manuel Márquez*
2. Productivity developments in El Salvador, 1990-2006, sectorial and alternative analysis.
by *Carla Catalina Galdamez, Mario César Sánchez*
3. Productivity gain and the structural propagation
by *Kazuhiko Nishimura, Satoshi Nakano*

● Location: **Room 208**

Topic: **Regional Policy Modeling**

Chair: Alejandro Davila Flores

1. Economic Interrelationships and Impacts of the Aviation/Aerospace Industry in the State of Florida
by *Kelly Ann Whealan George*
2. Improving expenditure profiles for port economic impact analysis through tariff data
by *Wen-Huei Chang, Yue Cui, Ed Mahoney*
3. Mexico: Economic performance of local economies. 2003-2013.
by *ALEJANDRO DAVILA FLORES, Miriam Valdes Ibarra*
4. The Importance of Virtual Water Consumption for São Paulo State and Rest of Brazil: An Input-Output Analysis
by *Jaqueline Coelho Visentin, Keyi Ando Ussami, Joaquim Jose Martins Guilhoto, Carlos R Azzoni*

● Location: **Room 209**

Topic: **World Input-Output Modeling and Databases I**

Chair: Dirk Stelder

1. Economies to die for: Impacts on human health embodied in production and trade
by *Renato Vargas, Erik Dietzenbacher*
2. Specialization in intermediate and final production: the effects of integration in ASEAN and the EU 1990-2005
by *dirk stelder*
3. The new Eora database
by *Yanyan Xiao, Keiichiro Kanemoto, Diana Carneiro, Manfred Lenzen, Arne Geschke, Muhammad Daaniyal Abd Rahman, Daniel Moran*

13:00 - 14:00 *Lunch*

Location: **Lunch Area, East side of the Graduate Building**

14:00 - 16:00 Parallel Session 5

● Location: **Room 102**

Topic: **Energy Policy II**

Chair: Kakali Mukhopadhyay

1. A network analysis of the Oil Linkages in the Mexican Economy using the 1970, 1980 and 2003 Input-Output Matrix.
by *Katya Pérez, Oscar Córdoba, Mónica Santillán, Rafael Bouchain*
2. Economic Implication of India's Renewable Energy Targets
by *Sneha Shriram Joshi*
3. Estimating economic impacts of introducing domestic content requirement in Indian solar policy using Input output analysis
by *Surabhi Ritesh Joshi, Pritee Sharma*
4. The ultimate energy input-output model
by *Zeus Guevara, Joao Rodrigues, Tiago Domingos*

● Location: **Room 202**

Topic: **Income Distribution**

Chair: Anushree Sinha

1. Does Income distribution affect environmental emissions in China?
by *Jing li*
2. Free trade agreement European Union-MERCOSUR: Assessing potential impacts of exports changes on employment and income distribution in Argentina
by *Marianela Sarabia*

3. Income and wage distribution induced by international trade, an input-output approach in Mexico, Brazil and China 1995-2009.
by *Victor Antonio Romero, Leobardo Enriquez Hernandez, Dante Sánchez*
4. The Potential Impact of Trade Liberalization on Poverty and Inequality in Pakistan: A CGE Approach
by *Muhammad Aamir Khan, Kakali Mukhopadhyay*

● Location: **Room 203**

Topic: **Tracing Carbon Emissions in Global Value Chains II**

Chair: Bo Meng

1. CHIOT: Estimating Historical Environmentally Extended Input-output Tables of China
by *Chen Lin, Lei Shi, Qian WEI*
2. Firm heterogeneity in measuring China's carbon footprint
by *Yu Liu, Bo Meng, Zhi Wang*
3. Genuine Output and Genuine Productivity of China's Provinces: A Big Data Based Interregional Input-Output Accounting
by *Yuning Gao, Yufeng Lu, Bo Meng, Angang Hu*
4. Inter-regional CO2 Emissions Transfer in China's Domestic Value Chains
by *Lin Guo, Bo Meng, Jinjun XUE*

● Location: **Room 204**

Topic: **CGE and SAM Applications**

Chair: Leonardo Javier Mastronardi

1. A 2008 SAM and AGEM of Mexico and the case of taxes on hydrocarbons extraction
by *Gaspar Núñez*
2. Analysis of the main ways of economic development of Kenya from linear multisectoral models based on Social Accounting Matrices
by *Alfredo José Mainar Causapé, Ayca Donmez, Hasan Dudu, Emanuele Ferrari*
3. SOEs Reform's Impact on China Economic Growth
by *Zhaoyuan Xu, Shantong Li*
4. The cost of failing to prevent gas supply interruption: a CGE assessment for Peru
by *Leonardo Javier Mastronardi, Omar Osvaldo Chisari, Carlos Adrian Romero, Arturo Leonardo Vásquez Cordano*

● Location: **Room 205**

Topic: **Eurostat: Supply and Use Tables in Developing Countries**

Chair: Isabelle Remond-Tiedrez

1. Costa Rica: An Extended Supply and Use Table
by *GABRIELA SABORIO MUÑOZ*
2. Implementing the SNA 2008 in Mexico's SUT and IOT for the benchmark year 2008
by *Francisco Guillen-Martin, Jose Teran-Vargas, Daniel Vargas-Montenegro*
3. Import content of exports, evidence from the Chilean Input - Output tables 2008-2012
by *Sebastian REbora, DIEGO IGNACIO VIVANCO*
4. The Making of Thailand Industrial Input-Output Table
by *Nutpol Sirisawang*
5. Converting Supply and Use Tables to Symmetric Input-Output Table in Asia: Some Technical Considerations
by *Eileen Pantua Capilit*

● Location: **Room 206**

Topic: **Regional Model Building**

Chair: Horacio Sobarzo

1. A Dynamic Input-Output Model for Small Regions: Updated for the Mexican Case
by *Nayib Rene Zamarripa, Alejandro Brugués, Noé Arón Fuentes*
2. Disaggregation processes applied to Social Accounting Matrices
by *Margarita Barrera-Lozano, Patricia D. Fuentes Saguar, Alfredo José Mainar Causapé*
3. Potential Economic Impacts of the Proposed Development Corridor in Egypt: A Spatial CGE Analysis
by *Michael L Lahr, Dina N. Elshahawany, Eduardo Amaral Haddad, Moisés Diniz Vassallo*

● Location: **Room 207**

Topic: **Mathematical Treatments of Input-Output Relationships**

Chair: Erik Dietzenbacher

1. Angular Measure for Matrix Similarity and Hadamard-multiplicative Generalization of RAS Method
by *Vladimir Motorin*
2. Eigenvalue distribution, matrix size and the linearity of wage-profit curves
by *Luiza Nassif Pires, Anwar Shaikh*
3. Meeting Eigenvectors during a Square Dance on a Hilbert Cube with Interindustry Transactions: A Complex Story
by *Valentin Solis*

4. Dual Entities in a General Problem of Input-Output Analysis: Some Algebraic Results and Ensuing Conclusions
by *Vladimir Motorin*

● Location: **Room 208**

Topic: **Environmental Applications**

Chair: Joaquim Guilhoto

1. A regional hybrid social accounting matrix: poverty, natural resources (groundwater and primary energy) and its link with the economy of Yucatan Mexico
by *Lilian Albornoz Mendoza, RAFAEL ORTIZ*
2. Building a 2005 hybrid Brazilian Input-Output database
by *Romulo Neves Ely, Mariana Weiss de Abreu, Carolina Grottera, William Wills*
3. Does exist a real commitment to diminish GHG emissions by developed countries?: a study of USA and Germany, 1990-2011
by *CASTAÑEDA LEÓN JAVIER*
4. Uncovering drivers of changes in China's water footprint
by *Yong Wang, Yafei Wang*

● Location: **Room 209**

Topic: **Dynamic Systems**

Chair: Doug Meade

1. Evaluating the Impacts of a Reduction in Crude Oil price on the Portuguese Economy with Input-Output Based Models
by *Ana Maria Dias*
2. Global Value Chains, Trade and Growth: Revisiting Supply and Demand Dynamics in an International Input-output Specification
by *Hubert Escaith*
3. The Right Price? Deflators in a Dynamic Input Output Model
by *Douglas Shannon Meade*
4. Troubled Prospects of the Russian Economy Development: Forecast Using the Dynamic Input-Output Model
by *Alexander Olegovich Baranov, Victor Pavlov*

16:00 - 16:30 *Coffee Break*

Location: **Coffee Break Area, 3rd floor of the Graduate Building**

16:30 - 18:30 Parallel Session 6

● Location: **Room 102**

Topic: **CGE models for Policy Analysis**

Chair: Carmen Lima

1. A CGE Analysis of Introducing Carbon Tax in East Asia Region
by *Xuemei Shen*
2. A Comparative Study on the Economic Impact of Mega Free Trade Agreements in East Asia: Three Cases of the TTP, the RCEP and the FTAAP
by *Jong-Hwan Ko*
3. Universal Social Insurance for Mexico: Modeling of a Financing Scheme
by *María Eugenia Ibararán, Alejandra Elizondo*

● Location: **Room 202**

Topic: **Agribusiness and Forestry**

Chair: Fernando Salgueiro Perobelli

1. Corporate Carbon Footprint under Tiered Hybrid Analysis. Application to a Spanish timber company
by *Jorge Enrique Zafrilla, Sergio Alvarez, Maria A. Tobarra-Gomez*
2. International trade and the Brazilian Agribusiness: a computable general equilibrium approach
by *Fernando Salgueiro Perobelli, Ramon Goulart Cunha, Vinicius de Almeida Vale*
3. Michigan Forest Products Sectors: Comparative Gross and Base Value Added and Structural Path Analysis
by *Stephen Cooke, Gregory Alward, David Duane Kay*
4. The role of value added services built into commodities as a development strategy: The case of coffee in Brazil, Colombia and Ecuador
by *José Trinidad Vivanco, Joaquin Salido, Dante Sánchez*

● Location: **Room 203**

Topic: **Exports and Value Chains**

Chair: Asao Ando

1. Revealed Comparative Advantage Based on Value-Added Trade: An Analysis for China
by *Tian Kai Lan, ZHU Kunfu, Cuihong Yang*
2. Revisiting the quality of exports
by *Gerardo Fujii-Gambero*
3. The Role of China's Regional Area in Global Value Chains
by *Hongfu Ni, Jiechang Xia*

● Location: **Room 204**

Topic: **Vertical Specialization and Value Chains**

Chair: Patricio Aroca

1. Can Vertical Specialization really worsen the collapse of World trade in the Global recession of 2008
by *Hongfu Ni, Jiechang Xia*
2. Trade redirection in global supply chains
by *Paul J J Veenendaal*
3. Regional vertical specialization of the automotive chain in the Central North region of México and its main effects on regional production structure: A spatial approach using an Input-output regional table.
by *Marcos Noé Maya, Normand Eduardo Asuad, José Manuel Sánchez Gamboa*
4. Value-added offshoring
by *Bernhard Michel, Vesna Stavrevska*

● Location: **Room 205**

Topic: **Why Do Regions Matter? Recent Developments in Interregional I-O Analyses II**

Chair: Satoshi Inomata

1. The Role of Interregional Trade in the US Economy
by *Geoffrey J.D. Hewings*
2. Tracing Brazilian Regions' CO2 Emissions in Domestic and Global Trade
by *Joaquim Jose Martins Guilhoto, Denise Imori*
3. Regional development, infrastructure and decent work: An IRSAM analysis
by *Jorge Victor Alarcon, Christoph Ernst*
4. Transnational Interregional Input-Output Tables: an introduction
by *Satoshi Inomata*

● Location: **Room 206**

Topic: **Backcasting and Forecasting II**

Chair: Fabienne Fortanier

1. European Full International and Global Accounts for Research in Input-Output Analysis
by *José Manuel Rueda-Cantuche, Isabelle Rémond-Tiedrez*
2. The Construction of WIOD's World Input-Output Tables in Previous Year's Prices
by *Bart Los, Fokke Reitze Gouma, Pieter IJtsma, Marcel Timmer*
3. Nowcasting OECD-WTO Trade in Value Added indicators: A proposed methodology
by *Fabienne Fortanier, Guannan Miao*

4. Nowcasting OECD indicators of carbon emissions embodied in international trade
by *Kirsten Svenja Wiebe, Norihiko Yamano*

● Location: **Room 207**

Topic: **Household Impacts**

Chair: Kurt Kratena

1. Domestic GHG emissions and responsibility of households in different Spanish regions
by *Alfredo José Mainar Causapé, Julio Sánchez Chóliz*
2. Fiscal policy for low income Households and public budget constrain in Italy
by *Irfan Ahmed, Francesca Severini, Claudio Socci*
3. How changes in households consumption and income affects the Brazilian economy: an input-output approach for 2003 and 2009
by *Marcus Vinícius Amaral Silva, Fernando Salgueiro Perobelli*
4. Tracking carbon emissions within the EU following changes in consumption patterns
by *Cristina Sarasa, Rosa Duarte, Julio Sánchez Chóliz*

● Location: **Room 208**

Topic: **Financial Social Accounting**

Chair: Fatemeh Bazzazan

1. How the financial intermediation affects Brazilian industry output? The Miyazawa Expansion Factor applied to financial flows
by *Erika Burkowski, Fernanda Finotti Cordeiro Perobelli, Fernando Salgueiro Perobelli*
2. Monetary Policy Evaluation: A Flow-of-funds Approach
by *Jiyoung Kim*
3. The Financial Social Accounting Matrix for Iran and Its Applications
by *Fatemeh Bazzazan, zahra seifi shahpar*

● Location: **Room 209**

Topic: **Circular Economy and Physical I-O Tables**

Chair: Rutger Hoekstra

1. Is car-steel's fate in the hands of China's fate?
by *Yiming Liu, Chen Lin*
2. Can we get the balances right when working with monetary and physical input-output tables?
by *Erik Dietzenbacher*
3. Measuring the circular economy in a national accounting framework
by *Rutger Hoekstra, Roel Delahaye*

18:30 - 20:30 *Editorial Board Meeting: Economic Systems Research*

Location: **Room 201**

(by invitation only)

Thu, 25/Jun/2015

09:00 - 11:00 Parallel Session 7

- Location: **Room 102**

Topic: **Public Policy Examinations**

Chair: Joaquim Guilhoto

1. Policy options for designing a carbon border tax
by *Monica Serrano, Iñaki Arto, Jordi Roca, Paola Rocchi*
2. The informal aspects of the activity of countries studied through Social Accounting and Socio-Demographic Matrices
by *Susana Santos*
3. The Socio-Economic Importance and Interdependence of the Metropolitan Regions of Belém and Manaus in Brazil: An Input-Output Analysis
by *Gisalda Carvalho Filgueiras, Joaquim Jose Martins Guilhoto, Carlos R Azzoni*

- Location: **Room 202**

Topic: **Comparative Structure and Change**

Chair: Ganna Makarkina

1. An analysis of the structural change related to the economic liberalization of the Mexican and Brazilian economies by using biproportional tools
by *Alejandra Estrada, José Manuel Márquez*
2. Double Filtering Method and Its Application: A Fundamental Economic Structure in the Development of China, Japan and USA
by *Xiuli Liu, Geoffrey J.D. Hewings*
3. Structural change, integration and manufacturing exports in Mexico and China, 1995 - 2011
by *JOSE LUIS ESTRADA LOPEZ, LESBIA PÉREZ SANTILLÁN*

- Location: **Room 204**

Topic: **Clusters**

Chair: Fidel Aroche Reyes

1. Airport Cluster in Mexico City, a spatial approach using a regionalized input - output matrix from the top-down approach.
by *KARINA GARDUÑO, Normand Eduardo Asuad, José Manuel Sánchez Gamboa*

2. Leadership and clusters' creation in employment and wages networks arisen from global production chains: an Input-Output analysis (1995, 2002, 2011)
by *Eduardo Moreno Reyes, Ana Sofía Malagamba, Itzel Guadalupe Vázquez López*
3. Manufacturing Clusters in Functional Economic North-Central Region of Mexico: A spatial approach using input-output analysis
by *Normand Eduardo Asuad, Cristina Vazquez*

● Location: **Room 205**

Topic: **Eurostat: Estimating Trade**

Chair: Pille Defense-Palojarv

1. Analysis of BEC data for estimating the imports tables in Europe
by *Pille DEFENSE-PALOJARV, Antonio F. Amores*
2. Constructing export matrix as an integrated part of the SUT framework for Estonia
by *Iljen Dedegkajeva*
3. Identifying Heterogeneity in the Production Components of globally Engaged Business Enterprises in the United States
by *Erich H. Strassner, James J Fetzer*
4. The Asian Supply and Use Tables: Harmonizing Trade Statistics with National SUTs
by *Eileen Pantua Capilit*

● Location: **Room 206**

Topic: **MRIO Innovations**

Chair: Patricio Aroca

1. Core-Periphery Structure in North America. A Qualitative Input -Output Analysis.
by *Marco Antonio Marquez*
2. Slicing up China's regional value chains-based on China interregional input-output model
by *Zhuoying Zhang, Minjun Shi*
3. What can the discrepancy between Chinese national and regional input-output tables tell us?
by *Harry X Wu, Zhan Li, Bo Meng*

● Location: **Room 207**

Topic: **Analyses of the European Union**

Chair: Manuel Alejandro Cardenete Flores

1. An approach to describe regional economies at NUTS 3 level in the EU
by *CARMEN LIMA, Manuel Alejandro Cardenete Flores, María del Carmen Delgado López, Patricia Dolores Fuentes Saguar, Sergio Gomez y Paloma, Alfredo José Mainar Causapé, Sébastien Mary, José Manuel Rueda-Cantuche, Fabien Santini*

2. An Input-Output-Based Methodology to Assess the Economic and Environmental Impact of Transport Sector on Europe Economy
by *Yousaf Ali*
3. Impact of European Integration Process
by *Jozef Kubala, Martin Hudcovsky*
4. Multiregional Input-Output Analysis of the Social impacts of EU structural FUNDS
by *Maria Angeles Cadarso, Fabio Monsalve, Irene Rodríguez Serrano, Jorge Enrique Zafrilla*

● Location: **Room 208**

Topic: **Energy Systems**

Chair: Kurt Kratena

1. Multi-region comparisons of energy performance: The structural decomposition analysis approach
by *Bin Su, Beng Wah Ang*
2. Environmental, economic and social impact of the Portuguese renewable energy policy in 2000-2010
by *Joao Rodrigues, Tiago Brás*
3. Macroeconomic Effects of the Energy Transition
by *Anett Großmann, Christian Lutz*
4. Consumption vs. Production Based CO2 Pricing Policies: Macroeconomic Trade-Offs and Carbon Leakage
by *Kurt Kratena*

● Location: **Room 209**

Topic: **Global MRIO Laboratory**

Chair: Arne Geschke

1. Updating the World Input-Output Database (WIOD) in the Global MRIO Lab
by *Muhammad Daaniyall Abd Rahman, Arne Geschke, Keiichiro Kanemoto, Manfred Lenzen, Yanyan Xiao*
2. Creating EXIOBASE in the Global MRIO Lab.
by *Hagen Schulte in den Baeumen, Arne Geschke, Manfred Lenzen, Arnold Tukker*
3. Compiling and using input-output frameworks through collaborative virtual laboratories
by *Arne Geschke, Muhammad Daaniyall Abd Rahman, Manfred Lenzen, Hagen Schulte in den Baeumen, Yanyan Xiao*
4. The role of data quantity for constructing a time series of MRIO tables and calculating CO2 emissions embodied in international trade
by *Yanyan Xiao, Keiichiro Kanemoto, Manfred Lenzen*

11:00 - 11:30 *Coffee Break*

Location: **Coffee Break Area, 3rd floor of the Graduate Building**

11:30 - 17:30 *Excursion*

17:30 - 19:00 *IIOA General Assembly*

Location: **Bernardo Quintana Auditorium**

19:00 - 21:00 *Conference Gala Dinner*

Location: **Autonomia Yard in the Palacio de Minería (Mining Studies Building). Tacuba Street Mexico City Historical Center (Downtown Area)**

Fri, 26/Jun/2015

09:00 - 09:30 *Coffee*

Location: **Coffee Break Area, 3rd floor of the Graduate Building**

09:30 - 10:30 *Plenary Session 3. Keynote Speaker: Jaime Ros Bosch*

Location: **Jesús Silva Herzog Auditorium, Graduate Building**

10:30 - 11:00 *Coffee Break*

Location: **Coffee Break Area, 3rd floor of the Graduate Building**

11:00 - 13:00 Parallel Session 8

- Location: **Room 202**

Topic: **Input-Output Modeling Software**

Chair: Doug Meade

1. PortableDyme – A simplified software package for model building
by *Anett Großmann, Frank Hohmann*
2. REAL-IO : Analytical toolbox of Inter-regional/country Input-Output Analysis
by *Norihiko Yamano, Geoffrey J.D. Hewings*

- Location: **Room 203**

Topic: **Industry Structure in Time**

Chair: Jared Woollacott

1. Nowcasting in the project DESIRE – Development of a System of Indicators for a Resource Efficient Europe
by *Arnold Tukker, Tatyana Bulavskaya, Arjan de Koning, Konstantin Stadler, Richard Wood*
2. Exploiting the dynamic input-output framework to calibrate a time-series of social accounting matrices to external forecasts
by *Jared Woollacott*
3. The Improvement of Russian Environmental Protection Methods Using a Dynamic Input-Output Model
by *Tatiana Tagaeva, Vadim Manavirovich Gilmundinov, Alsu Sayapova*

● Location: **Room 204**

Topic: **Regional Analysis**

Chair: Anthony Flegg

1. Carbon Footprinting the Gold Coast City consumption of goods and built environment products
by *Romulo Neves Ely, Diana Carneiro, Guangwu Chen, Thomas Oliver Wiedmann*
2. Comparative analysis for Social Accounting Matrices in rural communities in Yucatán; México
by *RAFAEL ORTIZ, Lilian Albornoz Mendoza*
3. Evaluating the FLQ Formula for Estimating Regional Input Coefficients: Empirical Evidence for the Province of Córdoba, Argentina
by *Anthony Travers Flegg, Leonardo Javier Mastronardi, Carlos Adrian Romero*
4. Intercity Footprint Networks
by *Guangwu Chen, Thomas Oliver Wiedmann*

● Location: **Room 205**

Topic: **Labor and Education Issues**

Chair: Rosa Duarte

1. Productivity, Higher Education and Growth in Mexico: A Bi-Regional Input-Output Model
by *JOSEFINA CALLICO LOPEZ, EVARISTO JAIME GONZALEZ ROBLES*
2. UK employment leakage: opportunities and trade-offs
by *Marco Sakai, Anne Owen, John Barrett*
3. Wage Inequality and Trade Globalization in Chile and Mexico.
by *Luis Villanueva*
4. Applying Leontief's Model to Higher Education in Colombia
by *Jesus Alfonso PEREZ-GAMA, Luis Giovanni Rozo Pardo*

● Location: **Room 207**

Topic: **Structural Comparisons**

Chair: Joao Rodrigues

1. Comparative analysis of national technological coefficients.
by *Shirov Alexander, Alsu Sayapova, Iskander Vilevich Syrtlanov*
2. Fundamental Economic Structure of Andalusian Economy over Social Accounting Matrices
by *Jorge Manuel Lopez, Manuel Alejandro Cardenete Flores*
3. Structural Comparison of Mexican (1980-2003) and Brazilian (1980-2005) Economies Through a Pretopological Approach
by *Victor Hugo Hernández García, Oscar Córdoba, Valeria Raquel García Aguirre, Fernando Isaac Montejo Álvarez, ANA BELEN RIOS*

4. Structural path decomposition analysis and its use in comparing multiregional input-output databases
by *Anne Owen, John Barrett, Andrew J. Evans, Richard Wood*

● Location: **Room 208**

Topic: **Water Issues Worldwide**

Chair: Naci Dilekli

1. Decomposition of Sectoral Water Consumption: A Subsystem SAM for Extremadura, Spain
by *Alberto Franco Solís, Francisco Javier De Miguel-Velez*
2. Linear and Non-linear Models and Applications of Arrow-Debreu Shadow Price of Water Resources
by *Xue Fu*
3. Industrial water pollution in Uruguay and indirect spillover: sectors' subsystems through input-output analysis and geographic information systems
by *Matías Piaggio, Ignacio Cazcarro*

● Location: **Room 209**

Topic: **Examinations of Technology Change**

Chair: Shalin Sharma

1. Effects of technology and labor productivity change on employment in Iran (Case of an oil exporting country)
by *Hadi Mousavi-Nik, Sholeh Bagheri Pormehr*
2. Input Output Modelling of Impact of technological change on cost and prices in different policy regimes
by *SHALINI SINGH SHARMA*
3. Technological Change Embodied in Capital Goods and Its Linkage with the Productive Structure
by *RICARDO ZÁRATE GUTIÉRREZ*

13:00 - 14:00 *Lunch*

Location: **Lunch Area, East side of the Graduate Building**

14:00 - 16:00 Parallel Session 9

● Location: **Room 102**

Topic: **Resources and Alternative Technologies**

Chair: Rosa Duarte

1. Scarcity and Resource Costs: Tracking Payment Flows in the Global Economy
by *Faye Duchin, Stephen Harris Levine*
2. Multiple Technologies in a Ricardian Perspective: The RCOT Model Revisited
by *Albert Steenge, Maaïke Corinne Bouwmeester*

3. Effects of Water Restrictions on the Thermoelectric Sector in the Northeast of the United States
by *Naci Dilekli, Faye Duchin*

● Location: **Room 203**

Topic: **Productivity, Growth, and Change**

Chair: Kakali Mukhopadhyay

1. TFP disturbances as a result of misallocation in a Cobb-Douglas fashion for Mexico and Latin America: What does an input-output structure has to say to conventional growth analysis?
by *Fernando Vázquez-Bravo, Cintli Lara, Enrique Gutierrez-Carreras*
2. Impact of NCD Reduction on Workforce Productivity in Canada
by *Kakali Mukhopadhyay, PAUL J. THOMASSIN*
3. A New Analysis of Labour Productivity
by *Takashi Yagi*

● Location: **Room 205**

Topic: **Environment Emissions as a Spatial Concern**

Chair: Bo Meng

1. The Impact of Intra-Industry Trade on the Environment
by *PARAMITA DASGUPTA, Kakali Mukhopadhyay*
2. Reducing Greenhouse Gas Emissions via Industry Shifts and Regional Shares: An Interregional Dorfman-Samuelson-Solow Leontief System of China
by *Xue Fu, Michael L Lahr, Bo Meng, Yaxiong Zhang*
3. Driving Forces of Chinese Provincial CO2 Emissions
by *Chen Pan, Jianwu He, Shantong Li*

● Location: **Room 206**

Topic: **Production Linkages and Value Chains**

Chair: Michael Lahr

1. Exports and interregional inequality in China: A domestic value chain analysis
by *Erik Dietzenbacher, Yuwan Duan, Bart Los*
2. The Impact of Global Value Chain on APEC Major Economies' Competitiveness and Industrial Structure upgrading
by *Yaxiong Zhang, Jianqin Yuan*

● Location: **Room 207**

Topic: **A Global Focus on the Service Sector**

Chair: Anushree Singha

1. The Missing Link: Philippine Services in Production and International Trade
by *Marcella Maria Lomotan Karaan*
2. Compiling production accounts and measuring volume of residential nursing care activities and residential care activities for the elderly and disabled by linking individual data to transactions on the kind-of-activity level
by *Nikolaus Bayerl*
3. Environmental Goods and Services Sector: Economic and Employment Impact Assessment Using Input-Output Analysis for Japan
by *Xin Zhou, Mustafa Moinuddin, Bopharath Sry*

● Location: **Room 208**

Topic: **Policy Analysis in Developing Countries**

Chair: Alejandro Brugués

1. Agricultural rent and its adverse effect on the rate of profit in the case of El Salvador and Mexico
by *Mario César Sánchez, Carla Catalina Galdamez*
2. Economic Effect of Subsidy Removal: A Case of Gasoline Subsidy in Nigeria
by *ISMAIL OLADIMEJI SOILE*
3. Industrial business expenditure for Research and Development in Mexico: Sectorial effects on added valued, employment and structural position patterns.
by *Leobardo Enriquez Hernandez, Martín Carlos Puchet Anyul*
4. Welfare effects of the Telecommunication Reform in Mexico
by *Edgardo Arturo Ayala*

● Location: **Room 209**

Topic: **Prices, Inflation and Exchange Rates**

Chair: Josefina Callico Lopez

1. An Inflation Model for India (In Input Output framework)
by *Mousumi Pal*
2. An estimation of the impact of the oil prices decrease and the sanctions on structure and dynamic of the Russian economy in 2014-2015
by *Vadim Manavirovich Gilmundinov*
3. Input Output Modeling of Prices in Indian Economy in Flex-Fix-price Frame-work
by *SHALINI SINGH SHARMA, Jakub Fischer, Farida Khan*

16:00 - 16:30 *Coffee Break*

Location: **Coffee Break Area, 3rd floor of the Graduate Building**

16:30 - 18:30 Parallel Session 10

● Location: **Room 203**

Topic: **Structural Change and Production Linkages**

Chair: Patricio Aroca

1. A structural decomposition analysis of industry in Brazil
by *Helena Loiola de Figueiredo, Maria Aparecida Silva Oliveira*
2. Production linkages in Costa Rica: an application using the data from the Input-Output Table
by *Carlos Chaverri Morales*
3. Sectoral Decomposition of Total Factor Productivity in Chile
by *PATRICIO AROCA, Nicolas Garrido*
4. Structural Analysis of the Mexican Economy in 2008
by *Luz Dary Beltrán Jaimes, Manuel Alejandro Cardenete Flores, María del Carmen Delgado López, Gaspar Núñez*

● Location: **Room 206**

Topic: **World Input-Output Databases; Construction and Use**

Chair: Sofía Jiménez

1. Determinants of Growth in Developed Countries: A Multiregional Perspective
by *Sofía Jiménez, Rosa Duarte, Raquel Langarita, Julio Sánchez Chóliz*
2. Constructing a Global Dataset of IO Tables Linked with Trade and Assistance: GTAP 9 Data Base
by *Badri G Narayanan, Angel Aguiar, Robert Andrew McDougall*
3. Enhancing the Eora MRIO database
by *Diana Carneiro, Keiichiro Kanemoto, Yanyan Xiao, Manfred Lenzen*

● Location: **Room 207**

Topic: **Effects of Investments**

Chair: Rajas Parchure

1. Environmental sustainability of integrated production in bio-refineries
by *Devrim Murat Yazan, Giorgio Garau, Giovanni Mandras*
2. Resource Requirements for Planned Infrastructure Targets in India
by *Priyam Sengupta, Kakali Mukhopadhyay*
3. The Use of Partial General Equilibrium Approaches and Multi-Criteria Decision Analysis to Prioritise Investments in the Public Sector
by *Kambale Kaveshe*

4. Distribution of the Gross Fixed Investment and the Employment in Mexico
by *Brenda Murillo Villanueva*

• Location: **Room 208**

Topic: **The Importance of Resources**

Chair: Rutger Hoekstra

1. Inter-regional analysis of the agricultural sector in countries of the European Community: an application of extraction method
by *Alexandre Lopes Gomes, Vinicius de Almeida Vale, Fernando Salgueiro Perobelli*
2. Is China net importer or exporter of agricultural footprint?
by *Jan Weinzettel, Glen Peters, Richard Wood*
3. Trade-off between GHG emissions and economic performance of the Brazilian Agriculture: an environmental input-output analysis
by *Luiz Carlos Santana Ribeiro, Lucio Flavio da Silva Freitas, EDER Area Leão PEREIRA*

18:30 - 19:00 *Coffee Break*

Location: **Coffee Break Area, 3rd floor of the Graduate Building**

19:00 - 20:30 *Closing Ceremony*

Location: **Bernardo Quintana Auditorium**

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