



# 22<sup>nd</sup> Annual Conference on Global Economic Analysis

## *Challenges to Global, Social, and Economic Growth*



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*University of Warsaw  
Warsaw, Poland  
June 19-21, 2019*



*@GTAP\_Purdue  
#GTAPConference*



Center for Global Trade Analysis  
Purdue University



UNIVERSITY OF WARSAW  
**Faculty of Economic Sciences**

# ANNUAL CONFERENCE ON GLOBAL ECONOMIC ANALYSIS

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**GENERAL INFORMATION**

**Dates**

June 19-21, 2019

**Location**

The Old Library, University of Warsaw, Central Campus  
Krakowskie Przedmieście 26/28, 00-927 Warsaw, Poland

**Objective**

The goal of the annual conference on economic analysis is to promote the exchange of ideas among economists conducting quantitative analysis of global economic issues.

**Format**

The majority of the conference features specially organized and contributed paper sessions. The organized sessions have been developed by members of the GTAP Network to highlight a specific area of research and/or policy analysis. The contributed paper sessions were selected through a peer review process and subsequently grouped to reflect the varied themes being addressed by members of the GTAP Network.

The conference will also include plenary sessions, each featuring distinguished intellectual leaders in their respective fields whose presentations are designed to introduce participants to new topics as well as provide fresh insights into familiar ones. The content of these sessions reflects the overall conference themes.

***"Challenges to Global, Social, and Economic Growth"***

- International trade and trade policy and slowing down globalization
- Migrations, demographic change and the labor market
- Environmental challenges and energy policy

Papers from each session can be accessed through the conference homepage on the GTAP website:

[www.gtap.agecon.purdue.edu/events/conferences/2019/](http://www.gtap.agecon.purdue.edu/events/conferences/2019/) ISSN 2160-2115 (online)



**Guest WiFi**

Network: GTAP2019

Password: GTAP2019conf

**CONFERENCE APP and SOCIAL MEDIA**



**Whova** is a free mobile app containing conference program information and facilitating schedule update notifications and attendee engagement. iOS and Android users can download the Whova app through their device's app store. To get started, follow the steps below.

**Step 1 – Dowload Whova App**



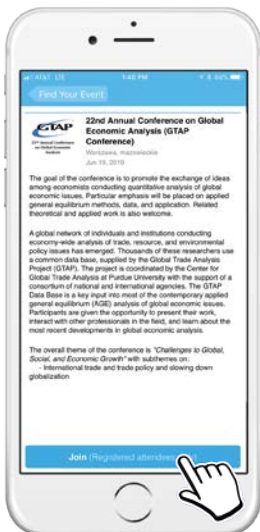
**Step 2 – Tap “Find Your Event”**



**Step 3 – Search for “GTAP”, tap result**



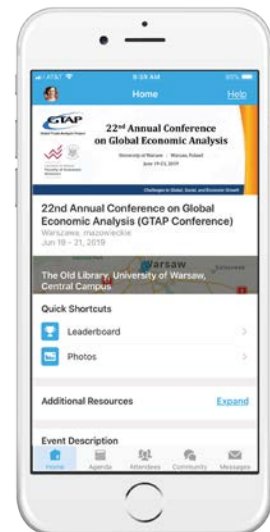
**Step 4 – Tap “Join”**



**Step 5 – Log in using your email**



**Step 6 – Enjoy the conference!**



*Invitation code: gtap19 (if prompted)*

**Useful Notes**

- Be sure to allow push notifications from Whova to ensure you receive schedule updates and other communication during the conference.
- Be sure to tweet us during the conference!



CONFERENCE ORGANIZERS



**Center for Global Trade Analysis  
Department of Agricultural Economics  
Purdue University**

The Global Trade Analysis Project (GTAP) is a global network of researchers and policy makers conducting quantitative analysis of international policy issues within an economy-wide framework. GTAP is coordinated by the Center for Global Trade Analysis, which is housed in the Department of Agricultural Economics at Purdue University. The Center for Global Trade Analysis' mission is to provide leadership in economic policy analysis through better data, fostering collaboration, and research. The centerpiece of Global Trade Analysis Project is the GTAP Data Base, a fully documented and publicly available, analytical data base for the global economy, which contains detailed country data, linked through bilateral trade, transportation and protection. Accompanying this data base is a set of GTAP-based models used and developed by network members. The GTAP Data Base and analytical framework are used by thousands of researchers around the world. Originally, the majority of the research was related to international trade policy issues. Today, GTAP is still the most widely used tool for trade policy, but its use has expanded into poverty, international migration, foreign investment, climate change, environment, energy, and biofuel policies. GTAP has become a common "language" for many of those conducting analysis of global policy issues with GTAP-based results becoming increasingly influential in decision making around the world in trade, climate change, energy and the environment.

[www.gtap.agecon.purdue.edu](http://www.gtap.agecon.purdue.edu)



**Faculty of Economic Sciences  
University of Warsaw**

The teaching of economics at the University has been present from the beginning of its existence, i.e. since 1816 years. At that moment when the Main School was founded, economics was taught on the faculty of law. After the November Uprising, in 1831 the University of Warsaw was closed. When the Main School was re-established in 1862, and then, in the Imperial University of Warsaw (1869) teaching of economics also took place on the faculty of law. Similar situation occurred in 1915 in reactivated by the Germans University of Warsaw, during independent Poland in the years 1918-1939, and after World War II. In 1950, in its place a Faculty of Political Economy was appointed.

In 1953 at the UW a distinct Faculty of Political Economy was established with a location in the Kazimierzowski Palace. It consisted of six departments divided into research units. The period between 1956 and 1965 was a time of development of the Faculty, which became, along with other Warsaw institutions: SGH and the Intercollegiate Problem Department of the Economy of Less Developed Countries a major world centre for research on development economics. Between 1965 and 1968, after the death of Oskar Lange and as a result of "March events" (1968), the dynamics of the development of the faculty and its intellectual potential began to weaken.

As a result of "March events", the functioning of the Faculty was suspended and next transformed into the Institute of Economic Sciences within the framework of the newly established Faculty of Social Sciences. The Institute was located in the building at 69 Nowy Świat Street. Later, after the next move, it located on Długa Street, in today's Faculty of Economic Sciences location.

In the year 1977 the Faculty of Economic Sciences was established. It was divided into Institutes, which in turn subdivided into research units. In 1981 the organizational structure of the Faculty was changed, dissolving institutes and in their place forming traditional departments. Other important changes took place at the Faculty after 1989 and these related to degree programmes. Since then, both the quality of education and the level of research conducted at the Faculty continually improved.

During the existence of the Faculty, the master's degree in economics was awarded to more than 5 000 people, 347 doctors and 103 associate professors have been promoted. Today, the Faculty is a leading academic centre in the field of economic sciences in Poland.

[www.wne.uw.edu.pl/en/](http://www.wne.uw.edu.pl/en/)

## SPECIAL RECOGNITION

The Center for Global Trade Analysis would like to recognize the following individuals that volunteered their time to assist with the conference.

**Co-Chairs**

- **Dominique van der Mensbrugge**, Center for Global Trade Analysis, Purdue University
- **Jan Jakub Michałek**, Faculty of Economic Science, University of Warsaw

**Program Committee Members**

Shenjie Chen	Angelo Gurgel	Zornitsa Kutlina-Dimitrova	Glyn Wittwer
Maksym Chepeliev	Jan Hagemeyer	María C. Latorre	Wusheng Yu
Amanda Countryman	Thomas Hertel	Maryla Maliszewska	Katarzyna Zawalinska
Andres Escobar	Russell Hillberry	Janine Pelikan	
Lionel Fontagné	Juha Honkatukia	Bartłomiej Rokicki	
Alla Golub	Ken Itakura		

**Abstract Reviewers**

Shahid Ahmed	Lionel Fontagné	Huey-Lin Lee	Maureen Rimmer
Katherine M. Antonio	Jean Fouré	Paul Lirette	Bartłomiej Rokicki
Misak Avetisyan	Florian Freund	Wai-Heng Loke	Jose Manuel Rueda-Cantucho
Adeline Awantang	Marco Fugazza	Aline Magalhaes	David Schockenhoff
Suprabha Baniya	Anand Ganesh-Kumar	Geraldo Maia	Rahul Sen
Heleen Bartelings	Ziad Ghaith	Verena McClain	Habtamu Shiferaw
Dileep Birur	Brad Gilmour	Xue Meng	Anirudh Shingal
Bineswaree Bolaky	Alex Gohin	Simon Mevel	Chandrima Sikdar
Johannes Broecker	Rumiana Górska	Seda Meyveci Doganay	Mahinda Siriwardana
Yiyong Cai	Christophe Gouel	Gabriel Michelena	Zuzana Smeets
Yongyang Cai	Jan Hagemeyer	Mia Mikic	Kristkova
Rajesh Chadha	Yohannes Hailu	Catherine Milot	Jorge Soguero Escuer
Sudarshan Chalise	Iman Haqiqi	Fulgence Mishili	Shanxia Sun
Ching-Cheng Chang	Jorge Hernandez	Abdulaziz Mosa	Anjali Tandon
Shenjie Chen	Yiseok Hong	Marian Mraz	Nhi Tran
Martin Cicowicz	Juha Honkatukia	Kakali Mukhopadhyay	Philip Tuano
Alma Cortes Selva	Shih-Hsun Hsu	Brian Mureverwi	Valijon Turakulov
Christa Court	Peng Huang	Biswajit Nag	Natalia Turdyeva
Surajit Deb	Zekarias Hussein	Signe Nelgen	Vinicius Vale
Yvan Decreux	Ken Itakura	Masahiro Omura	Hugo Valin
Rob Dellink	Fernando Izquierdo	Diti Oudendag	Frank van Tongeren
Hanna Deringer	Charlotte Janssens	Kazuhiko Oyamada	Beatriz Velazquez
Sumali Dissanayake	Eugene Schneider	Olubukola Oyewumi	Achim Vogt
Janine Dixon	Ornella Jernigan	Hom Pant	Yingying Xu
Edson Domingues	Jae Wook Jung	Karolina Pawlak	Anton Yang
Patterson Ekeocha	Kayenat Kabir	Denise Penello-Rial	Guolin Yao
Carmen Estrades	Zhanna Kapsalyamova	Xiujian Peng	Wen Yuan
Mingtai Fan	Jong-Hwan Ko	Maria Pereira	Lei Zhang
Michael Ferrantino	Alexey Kravchenko	Manitra A. Rakotoarisoa	
Joaquim Bento Ferreira-Filho	Vitaliy Krupin	Navin Ramankutty	
James Fetzter	Zornitsa Kutlina-Dimitrova	Sebastian Rausch	
		Jeff Reimer	

**Conference Advisors**

Martin Banse	Jing Liu
Mary Burfisher	Thomas Rutherford
Janine Dixon	Khalid Siddig

## KEN PEARSON TRAVEL FUNDING



Ken Pearson's early career was as an outstanding mathematician. In the 1970s, he became Reader and Chairman in Mathematics at La Trobe University, Australia. In his teaching role, he investigated the possibility of drawing on economics rather than physics for relevant examples. In this process, he came across the newly emerging field of applied (or computable) general equilibrium modelling. Long before the economists, Ken recognized the need for software that would not only solve large scale economic models but would also be a vehicle: for organizing data; for analyzing results; for transferring models between researchers; and for storing models in a computationally accessible form which would allow them to be accessed at other times and by other researchers. By the mid-1980s, he had responded to this need by taking up a visiting position at the Impact Research Centre (Melbourne University) and creating GEMPACK. In 1992, Ken moved to the Centre of Policy Studies (CoPS, then located at Monash University). At CoPS, he was appointed Professorial Fellow in 1999, and held the position of Deputy Director from 2000 to 2004. He retired in 2014, with the position of Director, GEMPACK passing to Mark Horridge. Ken died of cancer on May 12, 2015. Throughout his illness, he was stoic, always cheerful, and grateful for a good life. In a summary of Ken's contribution to the GTAP, Tom Hertel wrote, "Those of us who had the privilege of working closely with Ken count our collaborations with him as among the most stimulating and rewarding of our careers. Ken's keen intellect and his background in theoretical mathematics allowed him to quickly grasp the essence of whatever modeling challenge we posed."

### Funding Details

In recognition of the many contributions made by the late Professor Ken Pearson to the GTAP Network, the **Centre of Policy Studies, Victoria University** has graciously provided travel reimbursement funding in his name aimed to support the participation of promising young researchers at the GTAP Conference and encourage their contribution to the use and further development of analytical software for CGE modelling, following in his tradition. Recipient(s) were selected based on the following criteria.

- an early career researcher within five years of the start of their research career
- active in undertaking applied model-based analyses of real world problems using GEMPACK or related software
- paper accepted into the GTAP Conference



### Recipient

The Centre of Policy Studies, Victoria University and the Center for Global Trade Analysis, Purdue University are pleased to announce the following recipient of the 2019 Ken Pearson Travel Funding.



#### Turner Cotterman

PhD Student, Carnegie Mellon University (USA)

#### Why Rapid and Deep Decarbonization isn't Simple: Linking Bottom-up Socio-technical Decision-making Insights with Top-down Macroeconomic Analyses

by Cotterman, Turner  
(Session #23, pg. 27)

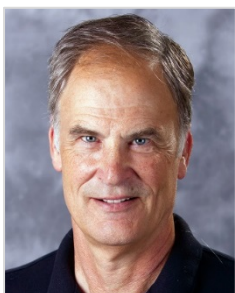
Turner Cotterman is a PhD student in the Department of Engineering and Public Policy at Carnegie Mellon University. His research focuses on energy-economy-emissions modeling and policy analysis to evaluate the uncertain social, economic, and technical risks and outcomes associated with decarbonization pathways. He received his M.S. in Technology and Policy from MIT and B.S. in Electrical Engineering from Clemson University.

ALEX MEERAUS / THOMAS RUTHERFORD TRAVEL FUNDING



Alexander Meeraus is the founder and CEO Emeritus of GAMS Development Corp., a high-tech international development and consulting firm in the area of strategic and operation planning systems and software applied to problems in industry, government and academia. After finishing his studies in mechanical engineering at the Technical University in Vienna, Austria, he came to the US, worked for General Electric in the development of engineering software for computer aided design and joined the World Bank's Development Research Center in 1972. His research at the Bank focused at investment planning in the process industries, agriculture and water resources. He led the development team for the General Algebraic Modeling System (GAMS), now widely used around the world for strategic and operational planning and scheduling. In 1987, he left the Bank to fully develop the GAMS software into a commercially viable product. In 1988 he was awarded the INFORMS Computing Society Prize for the development of GAMS. In the Celebrating 50 Years of Operations

Research festschrift, GAMS was selected as the 1988 milestone. In 2012, GAMS shared the INFORMS Impact Price for the development of Algebraic Modeling Systems.



Thomas Rutherford received his Ph.D. in operations research from Stanford University in 1987 and is currently a Professor of Agricultural and Applied Economics at the University of Wisconsin-Madison. Rutherford has had a career arc that has touched the most challenging global policy issues of our times—trade, energy markets, and climate change. He has combined his keen interest in economic policy making while advancing the frontiers of economic modeling in spatial, industrial, mathematical and dynamic economics. Another component of Tom's portfolio is the development of algorithms and software that has led to major improvements in quantitative tools that facilitate the ability to undertake policy analysis. The best known of these tools is the Mathematical Programming System for General Equilibrium (MPSGE), a modeling environment designed to facilitate the development of GE models that is combined with the General Algebraic Modeling System (GAMS). He developed a global model in MPSGE coupled to the GTAP Data Base (known as GTAPinGAMS) that has been widely

disseminated and lowered the entry cost to global economic modeling for GAMS users. Over the years, many modelers have been able to share in his discoveries and insights as he has made many of his models and related tools, largely developed in MPSGE and GAMS, available for public use—such as the GTAPinGAMS model, but also overlapping generations models, the use of mixed complementarity such as in the implementation of tariff rate quotas (TRQs), recursive versus intertemporal dynamic models and many others.

### Funding Details

In recognition of the contributions made by Alex Meeraus and Thomas Rutherford, the **GAMS Development Corporation** has graciously provided travel reimbursement funding in their names aimed to support the participation of promising young researchers at the GTAP Conference and encourage their contribution to the use and further development of analytical software for CGE modelling. Recipient(s) were selected based on being the following criteria.

- an early career researcher within five years of the start of their research career
- active in undertaking applied model-based analyses using GAMS or related software
- paper accepted into the GTAP Conference





ANNUAL CONFERENCE ON GLOBAL ECONOMIC ANALYSIS  
**ALEX MEERAUS / THOMAS RUTHERFORD TRAVEL FUNDING**

## Recipients

The GAMS Development Corporation and the Center for Global Trade Analysis, Purdue University are pleased to announce the following recipients of the 2019 Alex Meeraus / Thomas Rutherford Travel Funding.



### **Y.-H. Henry Chen**

Research Scientist, MIT Joint Program on the Science and Policy of Global Change (United States)

#### **Implications of Updating the Input-output Database of a Computable General Equilibrium Model on Emissions Mitigation Policy Analyses**

by Hong, Wei-Hong, Hui-Chih Chai, Y.-H. Henry Chen, John Reilly and Sergey Paltsev  
(Session #18, pg. 22)

Y.-H. Henry Chen is a research scientist at the MIT Joint Program on the Science and Policy of Global Change. He received his Ph.D. in economics from the University of Colorado, Boulder in 2009. His current research includes computable general equilibrium (CGE) analyses and applied microeconomics. In a recent study, he takes the lead in examining under the same carbon mitigation targets, why could using input-output data with a distinct base year result in quite different carbon prices. In another project, he works on estimating the power sector supply response to improve the calibration and performance of energy-economic CGE modeling. Henry has been one of the key modelers in maintaining and developing the MIT Economic Projection and Policy Analysis (EPPA) model since 2012.



### **Gessica Souza**

Doctoral student and Member of NEMEA group, CEDEPLAR/UFMG (Brazil)

#### **Sugarcane expansion and their impacts on land use and food production in Brazil: exercises based on a computable general equilibrium model**

by Souza, Gessica, Angelo Gurgel and Feres José  
(Session #42, pg. 36)

Gessica Souza earned a degree in Economic Sciences from the Federal University of Juiz de Fora (2014) and academic exchange at the University of Beira Interior, Portugal (2013). She holds a Master's degree in applied economics from the Department of Rural Economy at the Federal University of Viçosa (2017) and her PhD is currently in progress in applied economics, through CEDEPLAR / UFMG. She is a member of the Nucleus of Studies in Economic and Environmental Modeling Applied (NEMEA / UFMG) and has experience in economics, with emphasis on regional economics, agricultural economics and natural resources, working with computable general equilibrium models and land use change models.

GETTING AROUND WARSAW

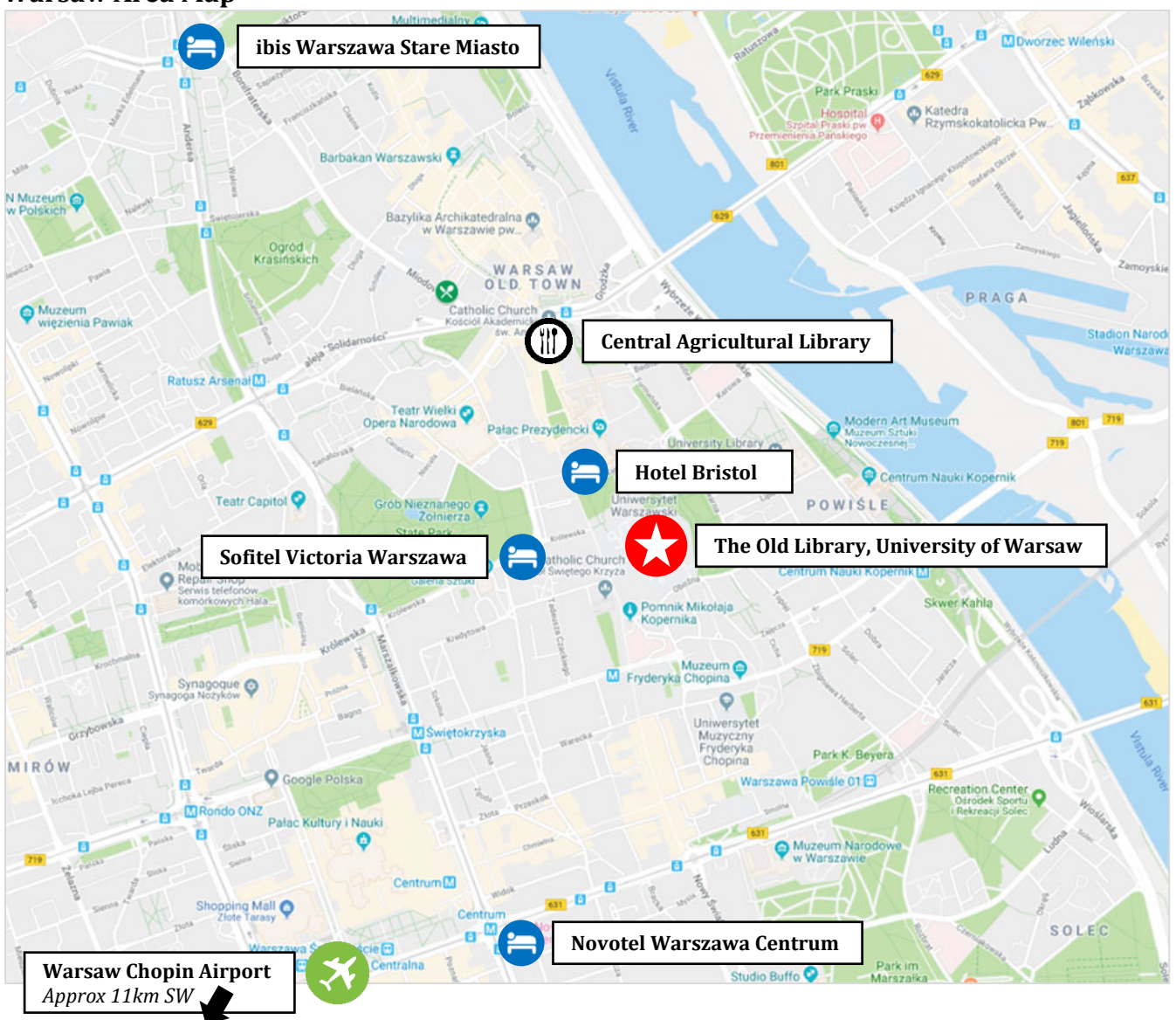
**Warsaw Chopin Airport**

Warsaw Chopin Airport (IATA: WAW, ICAO: EPWA), is an international airport located in the Wlochy district of Warsaw, 10 kilometers south-west of Warsaw City Center. Chopin Airport is served by five public bus routes, all with stops at Warsaw’s key transport nodes and the biggest hotels. Travelers should use licensed taxi services offered at the airport and rates should be clearly displayed in the car window.

**Public Transportation**

Warsaw has an intensive internal transportation system. Ranging from tram systems, to its two metro lines (M1 and M2), buses and local trains. With over 1,500 transportation units in the public transportation system as of 2015 running east to west and north to south. Most transport lines run from between 05:00 and 23:00. After those hours, buses run each route twice an hour.

**Warsaw Area Map**



ANNUAL CONFERENCE ON GLOBAL ECONOMIC ANALYSIS

**TUESDAY, JUNE 18**  
**Presentation Schedule**

<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>4:30-6:00pm</b> (16:30-18:00)	<b>Onsite Registration</b>	<b>Main Hall</b>
<b>5:00-6:00pm</b> (17:00-18:00)	<b>Pre-Conference Seminar: GTAP 10 Data Base</b>	<b>Main Assembly Hall</b>

# ANNUAL CONFERENCE ON GLOBAL ECONOMIC ANALYSIS

## WEDNESDAY, JUNE 19

### Session Overview

Session details for this day are listed on pages 13-24. You can also access the conference schedule through the **Whova** mobile app. See page 3 for details.

	Main Assembly Hall	Rm 111	Rm 112	Rm 113	Rm 114	Rm 115	Rm 116	Rm 308	Rm 213
8:30-9:00am	<b>Opening Ceremony</b> <i>Pg. 13</i>								
9:00-10:00am	<b>Plenary Session</b> <i>Climate Economics: Macro-fiscal risks and opportunities</i> <i>Pg. 13</i>								
10:30am-12:30pm		<b>*Session #1</b> <i>Modeling Current Trade Tensions</i>  <i>Pg. 13</i>	<b>*Session #2</b> <i>Linking PE and GE Models: Methodological Developments and Policy Applications</i>  <i>Pg. 14</i>	<b>*Session #3</b> <i>New Development in the Modeling of Water Policies</i>  <i>Pg. 14</i>	<b>Session #4</b> <i>Economic Crisis and Poverty Analysis</i>  <i>Pg. 15</i>	<b>Session #5</b> <i>Labor Market Issues</i>  <i>Pg. 15</i>	<b>Session #6</b> <i>Climate Change Policy</i>  <i>Pg. 16</i>	<b>Session #7</b> <i>Foreign Direct Investment</i>  <i>Pg. 16</i>	
2:00-4:00pm (14:00-16:00)		<b>*Session #8</b> <i>WTO Chairs: Emergence and development of new south-south trade flows</i>  <i>Pg. 17</i>	<b>*Session #9</b> <i>Spatial CGE analysis of urban transport investments and technologies</i>  <i>Pg. 17</i>	<b>*Session #10</b> <i>Non-Tariff Measures: New Approaches to Data and Modelling</i>  <i>Pg. 18</i>	<b>Session #11</b> <i>Water</i>  <i>Pg. 18</i>	<b>Session #12</b> <i>Climate Change Policy</i>  <i>Pg. 19</i>	<b>Session #13</b> <i>Land Use</i>  <i>Pg. 19</i>	<b>Session #14</b> <i>Economic Development</i>  <i>Pg. 20</i>	
4:30-6:30pm (16:30-18:30)		<b>*Session #15</b> <i>Applications of CGEBox – towards a CGEBox network</i>  <i>Pg. 20</i>	<b>*Session #16</b> <i>Quantitative Analysis of Trade in Services</i>  <i>Pg. 21</i>	<b>*Session #17</b> <i>Trade policy relevance of CGE parameters</i>  <i>Pg. 21</i>	<b>Session #18</b> <i>Climate Change Policy</i>  <i>Pg. 22</i>	<b>Session #19</b> <i>Trade Negotiations</i>  <i>Pg. 22</i>	<b>Session #20</b> <i>Economic Growth</i>  <i>Pg. 23</i>	<b>Session #21</b> <i>Dynamic Modeling</i>  <i>Pg. 23</i>	<b>Session #22</b> <i>Land Use, Bioenergy, and the Environment</i>  <i>Pg. 24</i>

\*Organized Session

WEDNESDAY, JUNE 19

Distinguished Plenary Speaker

*“Climate Economics: Macro-fiscal risks and opportunities”*



**Ottmar Edenhofer**

Designated Director/Chief Economist, Potsdam Institute for Climate Impact Research  
Director, Mercator Research Institute on Global Commons and Climate Change  
Professor, Technische Universität Berlin  
<https://www.pik-potsdam.de/members/edenh/>

Ottmar Edenhofer is one of the world’s leading experts on the economics of climate change. He is designated director of the Potsdam Institute for Climate Impact Research (PIK) and Professor for the Economics of Climate Change at the Technical University Berlin. Moreover, he is founding director of the Mercator Research Institute on Global Commons and Climate Change (MCC) as well as adviser to the World Bank regarding issues of economic growth and climate protection. Furthermore, he is a member of the German National Academy of Sciences (Leopoldina) and member of the National Academy of Science and Engineering (acatech). Ottmar Edenhofer has published numerous articles in leading peer-reviewed journals (e.g. Science, PNAS, Nature Climate Change) and high-ranking disciplinary journals (e.g. Macroeconomic

Dynamics, International Tax and Public Finance, Environmental Research Letters, Climatic Change) and authored various books. From 2008 to 2015 Ottmar Edenhofer served as Co-Chair of Working Group III of the Intergovernmental Panel on Climate Change (IPCC), shaping the Fifth Assessment Report on Climate Change Mitigation substantially.

WEDNESDAY, JUNE 19

## Presentation Schedule

Presenters (in bold) should arrive 10 minutes prior to the start of their session with their presentation on a USB drive in both PowerPoint and PDF formats. Unless otherwise noted, all breakout session presenters are allotted 30 minutes - 20 for presentation, immediately followed by 10 for discussion.

**Looking for a paper?**

Search by ID# at: [www.gtap.agecon.purdue.edu/events/conferences/2019/](http://www.gtap.agecon.purdue.edu/events/conferences/2019/)

Time	Event	Location
8:00am–5:00pm (8:00-17:00)	Onsite Registration	Main Hall
8:30-9:00am	Opening Ceremony	Main Assembly Hall
	<ul style="list-style-type: none"> <li>– <b>Dominique van der Mensbrugghe</b> Center for Global Trade Analysis, Department of Agricultural Economics, Purdue University</li> <li>– <b>Jan Jakub Michałek</b> Faculty of Economic Sciences, University of Warsaw</li> </ul>	
9:00-10:00am	Plenary Session	Main Assembly Hall
	<p>Chair: Brian O'Neill</p> <ul style="list-style-type: none"> <li>– <b>Climate Economics: Macro-fiscal risks and opportunities</b> by <b>Edenhofer, Ottmar</b></li> </ul>	
10:00-10:30am	Coffee Break	Main Hall
10:30am-12:30pm	Organized Session #1	Rm 111

***“Modeling Current Trade Tensions”***

Organizer: Maryla Maliszewska

Chair: Bob Koopman

- **The United States Trade Policies in the Twenty First Century and Impacts for Domestic Agriculture (#5718)**  
by Chepeliev, Maksym, **Wally Tyner** and Dominique van der Mensbrugghe
- **Trade Tensions: Inspecting the Effects Through Two Lenses (#5738)**  
by **Hunt, Ben**, Susanna Mursula, Rafael Portillo and Marika Santoro
- **Impacts of current trade tensions on developing countries (#5875)**  
by **Maliszewska, Maryla** and Israel Osorio Rodarte
- **Traders’ Dilemma: Developing Countries’ Response to Trade Disputes (#5783)**  
by Devarajan, Shanta, Delfin S Go, Csilla Lakatos, Sherman Robinson and **Karen Thierfelder**

WEDNESDAY, JUNE 19

## Presentation Schedule

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Search by ID# at: [www.gtap.agecon.purdue.edu/events/conferences/2019/](http://www.gtap.agecon.purdue.edu/events/conferences/2019/)

Time	Event	Location
10:30am-12:30pm	Organized Session #2	Rm 112

*"Linking Partial and General Equilibrium Models: Methodological Developments and Policy Applications"*  
Organizer/Chair: Maksym Chepeliev

- **Updating the Partial Equilibrium Module to GTAP 7 Model (#5859)**  
by **Aguiar, Angel**, Erwin Corong and Dominique van der Mensbrughe
- **Detailed Representation of the Agricultural Sector in a Partial-General Equilibrium Trade Modelling Framework (#5771)**  
by Chepeliev, Maksym, **Alla Golub**, Thomas Hertel and Wajiha Saeed
- **Economic and Environmental Assessment of Ukraine's Transition to Renewable Energy by 2050: Linking Top-down and Bottom-up (#5727)**  
by Chepeliev, Maksym, Oleksandr Diachuk and **Roman Podolets**

10:30am-12:30pm	Organized Session #3	Rm 113
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*"New Development in the Modeling of Water Policies: Water Erosion, Transboundary Conflict, and Sectoral Allocation"*

Organizer: Jing Liu

Chair: Glyn Wittwer

- **A linkage between the biophysical and the economic: Assessing the global market impacts of soil erosion (#5715)**  
by **Sartori, Martina**, George Philippidis, Emanuele Ferrari, Pasquale Borrelli, Emanuele Lugato, Luca Montanarella and Panos Panagos
- **A new agreement on water access in the West Bank- What is at stake? An economy-wide cross-border-analysis (#5801)**  
by **Luckmann, Jonas**, Khalid Siddig and Johanes Agbahey
- **Distributing water between competing users in the Netherlands (#5843)**  
by **Levin-Koopman, Jason**, Onno Kuik, Richard Tol, Marnix Van Der Vat, Joachim Hunink and Roy Brouwer

WEDNESDAY, JUNE 19

## Presentation Schedule

Presenters (in bold) should arrive 10 minutes prior to the start of their session with their presentation on a USB drive in both PowerPoint and PDF formats. Unless otherwise noted, all breakout session presenters are allotted 30 minutes - 20 for presentation, immediately followed by 10 for discussion.

**Looking for a paper?**

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Time	Event	Location
10:30am-12:30pm	Session #4	Rm 114

***“Economic Crisis and Poverty Analysis”***

Chair: Amanda M. Countryman

- **Welfare Gains from the Variety Growth** (#5692)  
by **Kancs, d'Artis** and Damiaan Persyn
- **Assessing the economic implication of energy reform in the Arab countries: The case of Tunisia** (#5810)  
by **Moumi, Ahmed** and Mohamed Hedi Bchir
- **Economy-wide Cost of Electricity Load Shedding in Nepal** (#5720)  
by Timilsina, Govinda, **Jevgenijs Steinbuks** and Prakash Sapkota
- **The Incidence of Tariffs** (#5759)  
by **Lakatos, Csilla**, David Laborde and Will Martin

10:30am-12:30pm	Session #5	Rm 115
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***“Labor Market Issues”***

Chair: Margaret Chitiga

- **Employment Effect of Innovation** (#5723)  
by Kancs, d'Artis and **Boriss Siliverstovs**
- **Evaluating gender impacts in employment: A CGE framework for policy makers** (#5903)  
by **Dixon, Janine** and Jason Nassios
- **Impact of Economic Policies in South Africa on Women's Work** (#5834)  
by **Escalante Ochoa, Luis Enrique**, Margaret Chitiga and Helene Maisonnave



WEDNESDAY, JUNE 19

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Time	Event	Location
10:30am-12:30pm	Session #6	Rm 116

**"Climate Change Policy"**

Chair: Y.-H. Henry Chen

- **Analyzing the impacts of the net zero-emission policy on New Zealand's carbon trading and land use (#5708)**  
by **Wang, Yue (Bonnie)**, Basil Sharp, Kyung-Min Nam and Stephen Poletti
- **Changing Fuel and Carbon Costs: Implications for New Zealand Agriculture (#5887)**  
by Corong, Erwin and **Anna Strutt**
- **The Intergenerational Incidence and Social Welfare of Renewable Energy Support Policies vs. Carbon Pricing (#5707)**  
by Rausch, Sebastian and **Hidemichi Yonezawa**
- **Consequences of Global Warming for Workers: A Critical Component of Agricultural Impacts (#5736)**  
by **Zanetti De Lima, Cicero**, Jonathan Buzan, Thomas Hertel, Frances Moore, Uris Lantz Baldos and Matthew Huber

10:30am-12:30pm	Session #7	Rm 308
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**"Foreign Direct Investment"**

Chair: Hiro Lee

- **Economic Effects of China's Outward Foreign Direct Investment in South Africa and Nigeria --- a GTAP-FDI Model Assessment (#5721)**  
by **Yuan, Wen**
- **Services Trade Liberalisation and FDI inflows: empirical assessments for the Arab region (#5844)**  
by **Chemingui, Mohamed Abdelbasset** and Mehmet Eris
- **How Large is the Corporate Tax Base Erosion and Profit Shifting? A general equilibrium approach (#5882)**  
by **Gesualdo, Maria**, Maria T. Alvarez-Martinez, Salvador Barrios, Diego d'Andria, Gaetan Nicodeme and Jonathan Pycroft

12:30-2:00pm (12:30-14:00)	Lunch	Main Hall
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**WEDNESDAY, JUNE 19**

**Presentation Schedule**

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>2:00-4:00pm</b> (14:00-16:00)	<b>Organized Session #8</b>	<b>Rm 111</b>

*“WTO Chairs Session: Emergence and development of new south-south trade flows”*

Organizer/Chair: Nassim Oulmane

- **Servitization and Global Value Chain Upgrading in China -- Based on the perspective of Export Sophistication and Products Quality** (#5776)  
by **Wang, Siyu**
- **Looking East: Oman’s trade integration in the Indian Ocean Rim Association (IORA)** (#5774)  
by **Boughanmi, Houcine**, Abdallah Akintola, Hemesiri Kotagama and Lokman Zaibet
- **Trade Policies and Welfare: case studies of ECOWAS countries** (#5863)  
by **Oloukoi, Laurent** and Alastaire Alinsato

<b>2:00-4:00pm</b> (14:00-16:00)	<b>Organized Session #9</b>	<b>Rm 112</b>
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*“Spatial CGE analysis of urban transport investments and technologies”*

Organizer: James Lennox

Chair: Mark Horridge

- **Spatial economic impacts of ring road highway development in Greater Tokyo Area** (#5703)  
by **Ishikura, Tomoki**, Hiroshi Yoshikawa and Fuga Yokoyama
- **Spatial general equilibrium analysis of a large urban rail project** (#5806)  
by **Lennox, James** and Nicholas Sheard
- **Autonomous Car, Car Sharing and Structure of a City: Car as Public Transportation** (#5743)  
by **Hiramatsu, Tomoru**

WEDNESDAY, JUNE 19

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Time	Event	Location
2:00-4:00pm (14:00-16:00)	Organized Session #10	Rm 113

***“Non-Tariff Measures: New Approaches to Data and Modelling”***

Organizers: Anna Strutt and Terrie Walmsley

Chair: Ralf Peters

- **New global estimates of bilateral AVEs of NTMs: Application to NTM harmonization in Asia-Pacific (#5872)**  
by **Kravchenko, Alexey**, Chorthip Utoktham, Badri Narayanan and Yann Duval
- **Improving the Modelling of Non-Tariff Measures in a CGE Framework (#5726)**  
by **Walmsley, Terrie** and Anna Strutt
- **Regulatory harmonization in the ASEAN region: The effects of applying different types of non-tariff measures (#5731)**  
by **Webb, Mike**, Anna Strutt and Terrie Walmsley
- **Price and Quantity Effects of Non-Tariff Measures: Exploring CGE Options with OECD METRO (#5893)**  
by **Arriola, Christine**, Julien Gourdon, Susan Stone and Frank van Tongeren

2:00-4:00pm (14:00-16:00)	Session #11	Rm 114
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***“Water”***

Chair: Jonas Luckmann

- **Statistical Emulators of Irrigated Crop Yields and Irrigation Water Requirements (#5689)**  
by **Blanc, Elodie**
- **The impact of livestock support measures on groundwater depletion in Turkey (#5752)**  
by **Schuenemann, Franziska** and Sebastian Hess
- **Economy-wide Cost-Benefit Assessment of the Great Ethiopian Renaissance Dam for the Sudan (#5895)**  
by **Siddig, Khalid**, Jonas Luckmann and Harald Grethe
- **The Poverty and Distributional Impacts of Water Quality: A CGE-Micro Analysis for Egypt (#5896)**  
by **Osman, Rehab** and Emanuele Ferrari

WEDNESDAY, JUNE 19

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Time	Event	Location
2:00-4:00pm (14:00-16:00)	Session #12	Rm 115

***"Climate Change Policy"***

Chair: Sebnem Sahin

- **Trade under the Paris agreement: Do global value chains hinder climate change mitigation?** (#5828)  
by Bellora, Cecilia and **Jean Fouré**
- **Navigating various flexibility mechanisms under European burden-sharing** (#5722)  
by **Vielle, Marc**
- **Formulating and implementing EU de-carbonization pathways in a CGE model using detailed engineering data derived from a bottom-up model: the case of the transport sector.** (#5769)  
by **Clora, Francesco** and Wusheng Yu
- **Policy Instrument Choice with Co-Benefits: The Case of Decarbonizing Transport** (#5855)  
by **Landis, Florian** and Sebastian Rausch

2:00-4:00pm (14:00-16:00)	Session #13	Rm 116
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***"Land Use"***

Chair: Shih-Hsun Hsu

- **Advanced vs conventional biofuels: Impacts of the latest reform of the European Union's biofuel policy** (#5850)  
by **Delzeit, Ruth**, Tobias Heimann, Franziska Schuenemann and Mareike Soeder
- **Reconciling econometric and simulation models of agricultural supply using a Generalized Extreme Value model** (#5750)  
by **Gouel, Christophe** and David Laborde
- **Global land use impacts from a subsidy on grassland-based ruminant livestock production in the European Union** (#5808)  
by Haddad, Salwa, Neus Escobar, Martin Bruckner and **Wolfgang Britz**
- **Closing the Yield Gap in Livestock Production in Brazil: New Results and Emissions Insights.** (#5762)  
by Stocco, Leandro and **Joaquim Bento Ferreira-Filho**

WEDNESDAY, JUNE 19

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Time	Event	Location
2:00-4:00pm (14:00-16:00)	Session #14	Rm 308
<p><b><i>"Economic Development"</i></b> Chair: Ricardo Arguello</p> <ul style="list-style-type: none"> <li>- <b><u>Agricultural Policy for the Post-Conflict in Colombia</u></b> (#5792) by <b>Arguello, Ricardo</b></li> <li>- <b><u>Asymmetries in the taxation of labor and capital income: impacts of changes in the structure of personal income taxation in Brazil</u></b> (#5871) by <b>Freire, Debora</b>, Edson Domingues and Gustavo Britto</li> <li>- <b><u>No hassle with the hazelnut? The economy-wide impacts of a large-scale contract farming scheme in Bhutan</u></b> (#5898) by <b>Feuerbacher, Arndt</b></li> <li>- <b><u>Agricultural economic reforms, gender inequalities and poverty in Senegal</u></b> (#5765) by <b>Nziengui Mamboundou, Pierre</b></li> </ul>		
4:00-4:30pm (16:00-16:30)	Coffee Break	Main Hall
4:30-6:30pm (16:30-18:30)	Organized Session #15	Rm 111

***"Applications of CGEBox – towards a CGEBox network"***

Organizer/Chair: Wolfgang Britz

- **Welfare and trade effects of the Canada-European Union Comprehensive Economic and Trade Agreement considering tariff line detail for agri-food sectors** (#5802)  
by **Jafari, Yaghoob**, Mihaly Himics and Wolfgang Britz
- **An extended myGTAP model to address subsistence production and sub-national households as a module in CGEBox** (#5758)  
by **Ferrari, Emanuele**, Wolfgang Britz, Roberto Roson and Hasan Dudu
- **SSP long run scenarios for European NUTS2 regions** (#5884)  
by **Roson, Roberto**, Wolfgang Britz and Martina Sartori
- Discussant: Roberto Roson

WEDNESDAY, JUNE 19

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Time	Event	Location
<b>4:30-6:30pm</b> (16:30-18:30)	<b>Organized Session #16</b>	<b>Rm 112</b>

***“Quantitative Analysis of Trade in Services - Empirics and Modelling as Integrative Approaches”***

Organizer: Caitlyn Carrico

Chair: Frank van Tongeren

- **Quantifying the costs of regulatory barriers to trade in services: New estimates of ad valorem equivalents based on the OECD STRI (#5842)**  
by Benz, Sebastian and **Alexander Jaax**
- **How Do Restrictions to Trade in Services Affect Productivity? (#5717)**  
by **Porath, Yehuda** and Stephane Sorbe
- **Job characteristics, job transitions and services trade: Evidence from the EU Labour Force Survey (#5838)**  
by **Benz, Sebastian** and Louise Johannesson
- **Services Trade Policy Liberalisation - Border Effects and Domestic Channels (#5890)**  
by Carrico, Caitlyn, Susan Stone and **Frank van Tongeren**

<b>4:30-6:30pm</b> (16:30-18:30)	<b>Organized Session #17</b>	<b>Rm 113</b>
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***“Trade policy relevance of CGE parameters”***

Organizers: Lucian Cernat and Zornitsa Kutlina-Dimitrova

Chair: Lucian Cernat

- **Armington elasticities in CGE models: a sensitivity analysis (#5709)**  
by **Kutlina-Dimitrova, Zornitsa** and Alessandro Antimiani
- **Structural Estimates of Trade Elasticities (#5861)**  
by Bekkers, Eddy, Peter Egger, **Joseph Francois** and Hugo Rojas-Romagosa
- **Product-Level Trade Elasticities (#5760)**  
by **Fontagné, Lionel**, Houssein Guimbard and Gianluca Orefice
- **Estimating the impact of EU trade policy with Structural Gravity (#5778)**  
by Cipollina, Maria Pina and **Luca Salvatici**

WEDNESDAY, JUNE 19

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Time	Event	Location
4:30-6:30pm (16:30-18:30)	Session #18	Rm 114

**"Climate Change Policy"**

Chair: Alla Golub

- **Implications of Updating the Input-output Database of a Computable General Equilibrium Model on Emissions Mitigation Policy Analyses** (#5690)  
by Hong, Wei-Hong, Hui-Chih Chai, \***Y.-H. Henry Chen**, John Reilly and Sergey Paltsev  
\*Alex Meeraus / Thomas Rutherford Travel Funding Recipient
- **PIRAMID: a new method to generate future input-output tables for baseline building** (#5696)  
by **Wojtowicz, Krzysztof**, Luis Rey, Umed Temursho, Bert Saveyn, Toon Vandyck, Marie Tamba and Matthias Weitzel
- **Top Down and Bottom-up Approaches to Climate Change Adaptation in Bulgaria** (#5874)  
by **Sahin, Sebnem**, Badri Narayanan and Svetlana Aleksandrova

4:30-6:30pm (16:30-18:30)	Session #19	Rm 115
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**"Trade Negotiations"**

Chair: Alexey Kravchenko

- **Effects of EU-Japan economic partnership agreement for selected EU countries** (#5739)  
by **Górska, Rumiana**
- **Regional Integration and Global Response to US Protectionism** (#5891)  
by **Robinson, Sherman** and Karen Thierfelder
- **An Economy-wide Impact Assessment of US-China Trade Friction on Taiwan's Semiconductor Industry** (#5818)  
by Chu, Yu-Hsien, Sheng-Ming Hsu, Ching-Cheng Chang and **Shih-Hsun Hsu**
- **Evaluation of Trade in the G-77 on the Prism of South-South Cooperation** (#5740)  
by **Lopes Afonso, Damares**, Fernando Perobelli and Suzana Quinet Bastos

WEDNESDAY, JUNE 19

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Time	Event	Location
4:30-6:30pm (16:30-18:30)	Session #20	Rm 116

**"Economic Growth"**

Chair: Dorothee Flaig

- **Long-run growth prospects for the UK's regions** (#5706)  
by **Verikios, George**, Ian Hurst and Garry Young
- **Is Africa an Economic Space?** (#5693)  
by **Seck, Abdoulaye**, Founty A. Fall and Khadidiatou Aidara
- **Non-uniform Growth Rates in a Dynamic CGE Model** (#5777)  
by **Yakut, Aykut Mert**
- **Computable General Equilibrium analysis of mega events, a timely issue** (#5869)  
by **Massiani, Jerome**

4:30-6:30pm (16:30-18:30)	Session #21	Rm 308
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**"Dynamic Modeling"**

Chair: Maureen Rimmer

- **Giving GTAP short-run to long-run dynamics: industry-specific capital and sticky-wage rates** (#5728)  
by **Dixon, Peter**, Maureen Rimmer and Nhi Tran
- **The economic impact and efficiency of state and federal taxes in Australia** (#5795)  
by **Nassios, Jason**, John Madden, James Giesecke, Janine Dixon, Nhi Tran, Peter Dixon, Maureen Rimmer, Philip Adams and John Freebairn
- **Introducing more flexible modelling of regional household consumption and saving behaviour into the dynamic GTAP model** (#5741)  
by **Gretton, Paul**
- **Incorporating Global Value Chains into the Dynamic GTAP Model** (#5876)  
by **Itakura, Ken**



**WEDNESDAY, JUNE 19****Presentation Schedule**

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>4:30-6:30pm</b> (16:30-18:30)	<b>Session #22</b>	<b>Rm 213</b>
<p><i>"Land Use, Bioenergy, and the Environment"</i> Chair: Farzad Taheripour</p> <ul style="list-style-type: none"> <li>- <b><u>Healthy diets and reduced land pressure: a double gain for future food systems in Nigeria?</u></b> (#5711) by <b>Smeets Kristkova, Zuzana</b>, Thom Achterbosch and Marijke Kuiper</li> <li>- <b><u>Projections of African agricultural land and agri-food sector development: how much regional aggregation of Africa matter</u></b> (#5847) by <b>Tabeau, Andrzej</b>, Willem-Jan Van Zeist, Ezra Berkhout, Jonathan Doelman, Stefan van der Esch, Hans van Meijl and Elke Stehfest</li> <li>- <b><u>Prospects of Alternative Fuels for Future Onroad Transportation</u></b> (#5879) by Cai, Yongxia and <b>Robert Beach</b></li> <li>- <b><u>Bioeconomic modelling - an application of environmentally adjusted accounts and CGE model.</u></b> (#5781) by <b>Jendrzewski, Blazej</b></li> </ul>		
<b>6:30pm</b> (18:30)	<b>Reception</b>	<b>Main Hall</b>

# ANNUAL CONFERENCE ON GLOBAL ECONOMIC ANALYSIS

## THURSDAY, JUNE 20

### Session Overview

Session details for this day are listed on pages 27-37. You can also access the conference schedule through the **Whova** mobile app. See page 3 for details.

	Main Assembly Hall	Rm 111	Rm 112	Rm 113	Rm 114	Rm 115	Rm 116	Rm 308
9:00-11:00am		<p><b>*Session #23</b> <i>GTAP Conference Scholars Session</i></p> <p>Pg. 27</p>	<p><b>*Session #24</b> <i>Adaptation Mechanisms to Address Water Scarcity Issues</i></p> <p>Pg. 27</p>	<p><b>*Session #25</b> <i>Experiences from developing long-term baselines with CGE models</i></p> <p>Pg. 28</p>	<p><b>Session #26</b> <i>Climate Policy and Impacts</i></p> <p>Pg. 28</p>	<p><b>Session #27</b> <i>Trade Agreements</i></p> <p>Pg. 29</p>	<p><b>Session #28</b> <i>Model Validation</i></p> <p>Pg. 29</p>	<p><b>Session #29</b> <i>Calibration and Parameter Estimation</i></p> <p>Pg. 30</p>
11:30am-1:30pm (11:30-13:30)		<p><b>*Session #30</b> <i>Quantifying Investment Facilitation and Its Potential Impact</i></p> <p>Pg. 30</p>	<p><b>*Session #31</b> <i>Modelling trade tensions and trade wars</i></p> <p>Pg. 31</p>	<p><b>*Session #32</b> <i>International Trade in Services Statistics</i></p> <p>Pg. 31</p>	<p><b>Session #33</b> <i>GTAP and Multi-Regional Input-Output Tables</i></p> <p>Pg. 32</p>	<p><b>Session #34</b> <i>Bioenergy</i></p> <p>Pg. 32</p>	<p><b>Session #35</b> <i>Demographics, Health, and Education</i></p> <p>Pg. 33</p>	<p><b>Session #36</b> <i>Multilateral Trade Negotiations</i></p> <p>Pg. 33</p>
3:00-4:30pm (15:00-16:30)		<p><b>*Session #37</b> <i>Reforming the World Trade Organization</i></p> <p>Pg. 34</p>	<p><b>*Session #38</b> <i>Recent estimations about the potential impact of Brexit</i></p> <p>Pg. 34</p>	<p><b>*Session #39</b> <i>Global Agri-Food policy analyses</i></p> <p>Pg. 34</p>	<p><b>*Session #40</b> <i>Labour data and modelling - Current research and way forward</i></p> <p>Pg. 35</p>	<p><b>Session #41</b> <i>Climate Change Policy</i></p> <p>Pg. 35</p>	<p><b>Session #42</b> <i>Food Prices and Security</i></p> <p>Pg. 36</p>	<p><b>Session #43</b> <i>Agricultural Policies</i></p> <p>Pg. 36</p>
5:00-6:00pm (17:00-18:00)	<p><b>Plenary Session</b> <i>Work in Transition: How demographics, automation and migration transform work in Emerging Europe</i></p> <p>Pg. 36</p>							

\*Organized Session

**THURSDAY, JUNE 20**

**Distinguished Plenary Speaker**

***“Work in Transition: How demographics, automation and migration transform work in Emerging Europe”***



**Sergei Guriev**

Chief Economist

European Bank for Reconstruction and Development (EBRD)

<https://www.ebrd.com/executive-committee/sergei-guriev.html>

Sergei Guriev joined EBRD in 2016 after running the New Economic School in Moscow in 2004-13 and serving as a tenured professor of economics at Sciences Po, Paris in 2013-16. As the EBRD’s Chief Economist, Sergei Guriev is responsible for advising the President and other senior members of the Bank’s management team on economic issues of strategic or operational relevance pertaining to the EBRD region. Dr. Guriev’s research interests include political economics, labor mobility, corporate governance and contract theory. Dr. Guriev has published in international refereed journals including American Economic Review, Review of Economic Studies, Journal of European Economic Association, Economic Journal, Journal of Economic Perspectives and American Political Science Review. He has been a board member of Sberbank, E.ON Russia, Alfa-Strakhovanie Insurance Company, Russia Venture Company, Russian

Home Mortgage Lending Agency, Russian Agricultural Bank, and the Dynasty Foundation. In 2006, he was selected a Young Global Leader by the World Economic Forum. In 2009-11, he was included in the top 100 of the President of Russia’s Cadre Reserve. In 2016-17, he has served as the President of the Society for Institutional and Organizational Economics. He is also a member of the Executive Committee of the International Economic Association and a Research Fellow at the Centre for Economic Policy Research, London.

**THURSDAY, JUNE 20****Presentation Schedule**

Presenters (in bold) should arrive 10 minutes prior to the start of their session with their presentation on a USB drive in both PowerPoint and PDF formats. Unless otherwise noted, all breakout session presenters are allotted 30 minutes - 20 for presentation, immediately followed by 10 for discussion.

**Looking for a paper?**

Search by ID# at: [www.gtap.agecon.purdue.edu/events/conferences/2019/](http://www.gtap.agecon.purdue.edu/events/conferences/2019/)

Time	Event	Location
<b>8:00am-5:00pm</b> (8:00-17:00)	<b>Onsite Registration</b>	<b>Main Hall</b>
<b>9:00-11:00am</b>	<b>Organized Session #23</b>	<b>Rm 111</b>

**"GTAP Conference Scholars Session"**

Organizer/Chair: Mary Burfisher

*Presentations in this session are allotted 15 minutes – 10 for presentation, immediately followed by 5 for discussion.*

- **Modeling the Importance of Financial Liberalization to Indonesia's Economic Growth** (#5772)  
by **Gupta, I Made Krisna Yudhana Wisnu**
- **Implementing Cash Transfer Programmes in Egypt Differently: An Economic Impact Analysis**  
(#5751)  
by **Helmy, Imane**, Hebatallah Ghoneim and Khalid Siddig
- **Integrating Tariff-Rate Quotas into the Modeling of Trade Agreements - a Simple Approach**  
(#5809)  
by **Döbeling, Tatjana** and Janine Pelikan
- **The European Emission Trading System and renewable electricity: Using the GTAP Power Database to analyze the role of carbon prices on the development of renewables in the EU.**  
(#5785)  
by Soeder, Mareike, Sneha Dattatraya Thube and **Malte Winkler**
- **Why Rapid and Deep Decarbonization isn't Simple: Linking Bottom-up Socio-technical Decision-making Insights with Top-down Macroeconomic Analyses** (#5825)  
by **\*Cotterman, Turner**  
*\*Ken Pearson Travel Funding Recipient*

<b>9:00-11:00am</b>	<b>Organized Session #24</b>	<b>Rm 112</b>
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**"Adaptation Mechanisms to Address Water Scarcity Issues in Developed and Developing Countries"**

Organizer: Jing Liu

Chair: Martina Sartori

- **The regional economic impacts of the 2017 to 2018 drought on NSW** (#5702)  
by **Wittwer, Glyn**
- **The Effects of Water Shortages on Food Security in Uganda** (#5735)  
by **van Heerden, Jan**, Louise Roos, Philip Adams and Nick Kilimani
- **Water Demand Prospects for The Irrigation In São Francisco River** (#5725)  
by **Dos Santos Fachinelli Ferrarini, Angel**, Joaquim Bento de Souza Ferreira Filho, Santiago Vianna Cuadra and Daniel de Castro Victoria

**THURSDAY, JUNE 20****Presentation Schedule**

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Time	Event	Location
9:00-11:00am	Organized Session #25	Rm 113

***“Experiences and lessons from developing long-term baselines with CGE models”***

Organizer/Chair: Dominique van der Mensbrughe

- **Characterizing supply-side drivers of structural change in the construction of economic baseline projections** (#5846)  
by Chateau, Jean, **Erwin Corong**, Jean Fouré, David Laborde, Elisa Lanzi, Hans van Meijl and Roberto Roson
- **Capturing key energy and emission trends in CGE models: Assessment of status and remaining challenges** (#5901)  
by **FæHn, Taran**, Gabriel Bachner, Shinichiro Fujimori, Madanmohan Ghosh, Meriem Hamdi-Cherif, Elisa Lanzi, Sergey Paltsev, Toon Vandyck, Robert Beach, Bruno Cunha, Rafael Garaffa and Karl Steininger
- **Modelling Trade and Other Economic Interactions between Countries in Baseline Projections** (#5816)  
by Bekkers, Eddy, Alessandro Antimiani, Caitlyn Carrico, Dorothee Flaig, Lionel Fontagne, Jean Fouré, Joseph Francois, Ken Itakura, Zornitsa Kutlina-Dimitrova, **William Powers**, Bert Saveyn, Robert Teh, Frank van Tongeren and Marinos Tsigas
- **Modelling consumption and constructing long-term baselines** (#5714)  
by **Ho, Mun**, Ruth Delzeit, Florian Leblanc, Franziska Schuenemann and Matthias Weitzel

9:00-11:00am	Session #26	Rm 114
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***“Climate Policy and Impacts”***

Chair: Channing Arndt

- **Effective Capacity Expansion of Renewable Energy for Decarbonization** (#5789)  
by **Yuan, Mei**, Karen Tapia-Ahumada and David Montgomery
- **Quantifying the Macro- and Socio-Economic Benefits of a Transition to Renewable Energy in South Africa** (#5829)  
by Merven, Bruno, **Faaiqa Hartley** and Channing Arndt
- **Impact of climate change on vulnerable groups on South African labour markets** (#5822)  
by **Chitiga, Margaret**, Helene Maisonnave and Martin Henseler
- **Integrating Top-down and Bottom-up Approaches: A CGE Energy Model for a Developing Country** (#5790)  
by **Cortes Selva, Alma**

THURSDAY, JUNE 20

## Presentation Schedule

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Time	Event	Location
9:00-11:00am	Session #27	Rm 115

**"Trade Agreements"**

Chair: George Verikios

- **Comparative Study of the FDI effect of the Regional Comparative Economic Partnership on Members** (#5767)  
by **Li, Qiaomin**
- **Estimating the Effects of the CPTPP and RCEP in a General Equilibrium Framework with Global Value Chains** (#5712)  
by Itakura, Ken and **Hiro Lee**
- **The Economic Consequences of the 2018 US-China Trade Conflict: A CGE Simulation Analysis** (#5698)  
by **Tsutsumi, Masahiko**
- **Evaluating the Impact of the USMCA** (#5793)  
by **Dadkhah, Ali**, Dan Ciuriak and Charles Xiao

9:00-11:00am	Session #28	Rm 116
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**"Model Validation"**

Chair: Gabriele Standardi

- **A Novel Approach to Uncertainty Analysis in Large-Scale Simulation Models** (#5745)  
by **Stepanyan, Davit**, Andre Deppermann, Tatiana Ermolieva, Arndt Feuerbacher, Harald Grethe, Petr Havlik, Jonas Luckmann, Takamasa Nishizawa, Khalid Siddig, Hugo Valin and Georg Zimmermann
- **Effects of a terms of trade shock on the Russian economy** (#5840)  
by **Turdyeva, Natalia**
- **Expanding a Bottom-up Energy Model into a General-Equilibrium Model: Rationale, Formulation and Implementation for Saudi Arabia** (#5748)  
by **Durand-Lasserve, Olivier**, Abdullah Al-Jarboua, Hossa Al-Mutairi, Frederic Murphy, Axel Pierru and Shreekar Pradhan
- **Waste management and circular economy: Building a CGE framework** (#5819)  
by **Bartelings, Heleen**

**THURSDAY, JUNE 20****Presentation Schedule**

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Time	Event	Location
9:00-11:00am	Session #29	Rm 308

***"Calibration and Parameter Estimation"***

Chair: Martin Cicowiez

- **Asymmetric Armington Model: Method and Application** (#5803)  
by **Cicowiez, Martin** and Hans Lofgren
- **Using CRETH to make quantities add up without efficiency bias** (#5775)  
by **Horridge, Mark**
- **Bayesian Estimation of the Linear Expenditure System** (#5880)  
by **Boratynski, Jakub**
- **Micro-founded tax policy effects in a heterogeneous-agent macro-model** (#5746)  
by d'Andria, Diego, Jason DeBacker, Richard W. Evans, Jonathan Pycroft and **Magdalena Zachlod-Jelec**

11:00-11:30am	Coffee Break	Main Hall
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11:30am-1:30pm (11:30-13:30)	Organized Session #30	Rm 111
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***"Quantifying Investment Facilitation and Its Potential Impact"***

Organizers: Zoryana Olekseyuk and Axel Berger

Chair: Ali Dadkhah

- **Quantifying Investment Facilitation: Introducing the Investment Facilitation Index** (#5798)  
by **Berger, Axel**, Ali Dadkhah and Zoryana Olekseyuk
- **Potential Investment Facilitation Agreement: Possible Scenarios and Their Impact on Countries' Regulations** (#5784)  
by Berger, Axel, Ali Dadkhah and **Zoryana Olekseyuk**
- **Economic Impact of a Potential Investment Facilitation Agreement** (#5857)  
by **Balistreri, Edward J.**, Axel Berger and Zoryana Olekseyuk

THURSDAY, JUNE 20

## Presentation Schedule

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Time	Event	Location
11:30am-1:30pm (11:30-13:30)	Organized Session #31	Rm 112

***“Modelling trade tensions and trade wars”***

Organizer: Eddy Bekkers

Chair: Bob Koopman

- **Shooting oneself in the foot? Trade war and global value chains** (#5733)  
by **Bellora, Cecilia** and Lionel Fontagné
- **Macroeconomic implications of increasing protectionism** (#5854)  
by **Van Roye, Björn**, Ben Schumann and Martino Ricci
- **Trade tensions and trade wars. Gauging the economic effects of actual trade tensions and a potential trade war** (#5897)  
by Bekkers, Eddy and **Robert Teh**

11:30am-1:30pm (11:30-13:30)	Organized Session #32	Rm 113
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***“International Trade in Services Statistics: Experimental Datasets to Complete the Analytical Base for Economic Modelling”***

Organizer/Chair: Andreas Maurer

- **Barriers to International Trade in Services – New Evidence from the World Bank-WTO Database** (#5753)  
by **Borchert, Ingo**, Batshur Gootiiz, Joscelyn Magdeleine, Juan A. Marchetti and Aaditya Mattoo
- **OECD Analytical Database on Individual Multinationals and their Affiliates (ADIMA)** (#5763)  
by **Pilgrim, Graham**, Nadim Ahmad and Diana Doyle
- **Towards A Global Data Set on Trade in Services by Sector and Mode of Supply** (#5757)  
by **Maurer, Andreas**, Antonella Liberatore, Steen Wettstein and Joscelyn Magdeleine



**THURSDAY, JUNE 20****Presentation Schedule**

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Time	Event	Location
<b>11:30am-1:30pm</b> (11:30-13:30)	<b>Session #33</b>	<b>Rm 114</b>

***"GTAP and Multi-Regional Input-Output Tables"***

Chair: Ken Itakura

- **Creating a disaggregated CGE model for trade policy analysis: GTAP-MVH (#5729)**  
by **Rimmer, Maureen**, Peter Dixon and Nhi Tran
- **Further developments in the decomposition of the Eurostat net tax matrices and their transformation to GTAP format (#5853)**  
by **Revesz, Tamas**
- **Survey based versus non survey based Multi-Regional Input-Output Tables – the case of Austria (#5888)**  
by **Rokicki, Bartlomiej**, Oliver Fritz, Mark Horridge and Geoffrey Hewings
- **Behavioral Characteristics of MRIO-Based Global AGE Models with Variable Elasticity of Substitution between Varieties (#5695)**  
by **Oyamada, Kazuhiko**

<b>11:30am-1:30pm</b> (11:30-13:30)	<b>Session #34</b>	<b>Rm 115</b>
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***"Bioenergy"***

Chair: Robert Beach

- **An Analysis of the Effects of Korea's Energy Transition Using the GTAP-E-Power Model (#5791)**  
by **Ko, Jong-Hwan**
- **Renewable Fuel Standard: Implications for Land Use Changes in Malaysia and Indonesia (#5866)**  
by **Taheripour, Farzad** and Wally Tyner
- **Renewable electricity expansion and its effects on employment and regional migration in Brazil (#5824)**  
by **Diniz, Tiago** and Lilia Caiado Coelho Beltrao Couto
- **The Impacts of Climate Change on the Generation of Hydroelectric Energy and its Effects on the Brazilian Economy Between 2020 and 2050 (#5892)**  
by Tanure, Tarik, Micaele Martins and **Aline Magalhaes**

**THURSDAY, JUNE 20****Presentation Schedule**

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>11:30am-1:30pm</b> (11:30-13:30)	<b>Session #35</b>	<b>Rm 116</b>
<i><b>"Demographics, Health, and Education"</b></i>		
Chair: Juha Honkatukia		
<ul style="list-style-type: none"> <li>- <b><u>Evaluating the welfare effects of public health care provision - a dynamic, regional AGE analysis for Finland</u></b> (#5851) by <b>Honkatukia, Juha</b></li> <li>- <b><u>Impacts of agricultural subsidy reform on economic welfare, environment and health</u></b> (#5805) by <b>Freund, Florian</b> and Marco Springmann</li> <li>- <b><u>Population Ageing, Pension System and Retirement Age Extension in China --- an Applied Dynamic General Equilibrium Analysis</u></b> (#5883) by <b>Peng, Xiujian</b></li> <li>- <b><u>Enhancing education and training systems in the Sudan: An Economy-wide Assessment</u></b> (#5864) by <b>Mohammed, Zuhail</b>, Khalid Siddig and Harald Grethe</li> </ul>		
<b>11:30am-1:30pm</b> (11:30-13:30)	<b>Session #36</b>	<b>Rm 308</b>
<i><b>"Multilateral Trade Negotiations"</b></i>		
Chair: Shenjie Chen		
<ul style="list-style-type: none"> <li>- <b><u>Trade, persistent habits and development - a dynamic CGE model analysis</u></b> (#5814) by <b>Niemi, Janne</b></li> <li>- <b><u>How to avoid strange results in nonlinear dynamic general equilibrium modeling</u></b> (#5744) by <b>Kiuiila, Olga</b></li> <li>- <b><u>Trade Wars and Trade Disputes: The Role of Equity and Political Support</u></b> (#5732) by Joseph Francois, Douglas Nelson and <b>Hugo Rojas-Romagosa</b></li> <li>- <b><u>Trade Shock Transmission: A Study of Selected African Economies, the BRIC and the Rest of the Global Economy</u></b> (#5817) by <b>Ekeocha, Patterson</b> and Jonathan Ogbuabor</li> </ul>		
<b>1:30-3:00pm</b> (13:30-15:00)	<b>Lunch</b>	<b>Main Hall</b>

**THURSDAY, JUNE 20****Presentation Schedule**

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>3:00-4:30pm</b> (15:00-16:30)	<b>Organized Session #37</b>	<b>Rm 111</b>
	<p><b><i>"Reforming the World Trade Organization"</i></b> Organizer/Chair: Antoine Bouët</p> <ul style="list-style-type: none"> <li>- <b><u>WTO myths and the reform agenda</u></b> (#5786) by <b>Koopman, Bob</b> and John Hancock</li> <li>- <b><u>Reciprocity in multilateral tariff negotiations</u></b> (#5894) by <b>Bekkers, Eddy</b> and Alexander Keck</li> <li>- <b><u>Plurilateral agreements: a promising trade liberalization modality?</u></b> (#5878) by Bouët, Antoine and <b>David Laborde</b></li> <li>- Discussant: Joseph Francois</li> </ul>	
<b>3:00-4:30pm</b> (15:00-16:30)	<b>Organized Session #38</b>	<b>Rm 112</b>
	<p><b><i>"Recent estimations about the potential impact of Brexit"</i></b> Organizer: Gabriela Ortiz Valverde Chair: María C. Latorre</p> <ul style="list-style-type: none"> <li>- <b><u>Foreign multinationals in services sectors: A general equilibrium analysis of Brexit</u></b> (#5764) by <b>Latorre, María C.</b>, Zoryana Olekseyuk and Hidemichi Yonezawa</li> <li>- <b><u>Economic Analysis of Multinationals Firms in the UK after Brexit</u></b> (#5849) by <b>Ortiz Valverde, Gabriela</b> and María C. Latorre</li> </ul>	
<b>3:00-4:30pm</b> (15:00-16:30)	<b>Organized Session #39</b>	<b>Rm 113</b>
	<p><b><i>"Global Agri-Food policy analyses"</i></b> Organizers: Maksym Chepeliev and Angel Aguiar Chair: Angel Aguiar</p> <ul style="list-style-type: none"> <li>- <b><u>Taxing Sugar and Sugary Products to Reduce Obesity: A CGE Assessment of Several Tax Policies</u></b> (#5779) by <b>Cosnard, Lionel</b> and David Laborde</li> <li>- <b><u>Global Greenhouse Gas Taxes on Food Products: Economy-wide, Environmental and Dietary Implications</u></b> (#5719) by <b>Chepeliev, Maksym</b> and Angel Aguiar</li> <li>- <b><u>Revisiting Agricultural Domestic Support in the GTAP Data Base</u></b> (#5835) by Aguiar, Angel, <b>Pierre H Boulanger</b>, Kirsten Boysen-Urban, Hans Grinstead Jensen and George Philippidis</li> </ul>	

**THURSDAY, JUNE 20****Presentation Schedule**

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>3:00-4:30pm</b> (15:00-16:30)	<b>Organized Session #40</b>	<b>Rm 114</b>

***“Labour data and modelling - Current research and way forward”***

Organizers: Jean Fouré and Caitlyn Carrico

Chair: Jean Fouré

- **Are remittances good for labor markets in LICs, MICs and Fragile States?** (#5885)  
by **Ernst, Ekkehard**, Ralph Chami, Connel Fullenkamp and Anne Oeking
- **Modelling the Inclusive Trade Agenda** (#5845)  
by **Chen, Shenjie** and Charles Xiao
- **The Gender Disaggregated Labor Database** (#5862)  
by **Osorio Rodarte, Israel**

<b>3:00-4:30pm</b> (15:00-16:30)	<b>Session #41</b>	<b>Rm 115</b>
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***“Climate Change Policy”***

Chair: Sergey Paltsev

- **The macroeconomic consequences of decoupling materials use** (#5826)  
by **Bibas, Ruben**, Jean Chateau, Elisa Lanzi and Rob Dellink
- **The economic and emissions benefits of engineered wood products in a low-carbon future**  
(#5730)  
by **Winchester, Niven** and John Reilly
- **The role of industrial carbon capture and storage (CCS) in emission mitigation** (#5848)  
by Farrell, Jessica, Jennifer Morris, Haroon Khesghi, Hans Thomann, **Sergey Paltsev** and Howard Herzog

**THURSDAY, JUNE 20****Presentation Schedule**

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>3:00-4:30pm</b> (15:00-16:30)	<b>Session #42</b>	<b>Rm 116</b>
<p><b>"Food Prices and Security"</b> Chair: Tobias Heimann</p> <ul style="list-style-type: none"> <li>– <b><u>Sugarcane expansion and their impacts on land use and food production in Brazil: exercises based on a computable general equilibrium model</u></b> (#5837) by *<b>Souza, Gessica</b>, Angelo Gurgel and Feres José <i>*Alex Meeraus / Thomas Rutherford Travel Funding Recipient</i></li> <li>– <b><u>When Pastoralists become Farmers: Economy-wide Effects of Sedentarisation</u></b> (#5823) by <b>Ashiabi, Nicholas</b>, Jonas Luckmann and Harald Grethe</li> <li>– <b><u>Using Used Cooking Oil (UCO) for biofuel production: Effects on global land use and interlinkages with food and feed production.</u></b> (#5797) by Delzeit, Ruth, <b>Tobias Heimann</b>, Franziska Schuenemann and Mareike Soeder</li> </ul>		
<b>3:00-4:30pm</b> (15:00-16:30)	<b>Session #43</b>	<b>Rm 308</b>
<p><b>"Agricultural Policies"</b> Chair: Ricardo Arguello</p> <ul style="list-style-type: none"> <li>– <b><u>Impact of Trade Liberalization on the Japanese Agri-food Sectors: A General Equilibrium Analysis with Farm Heterogeneity and Product Differentiation</u></b> (#5700) by <b>Hosoe, Nobuhiro</b> and Yuko Akune</li> <li>– <b><u>EU Agricultural Domestic Support in Global Value Chains or Where Does the Money Go?</u></b> (#5747) by <b>Flaig, Dorothee</b> and Kirsten Boysen-Urban</li> <li>– <b><u>Analysis of Future Agricultural Policies: What Impact has the Parametrization of Agricultural Support?</u></b> (#5841) by Boulanger, Pierre H, <b>Kirsten Boysen-Urban</b> and George Philippidis</li> </ul>		
<b>4:30-5:00pm</b> (16:30-17:00)	<b>Coffee Break</b>	<b>Main Hall</b>
<b>5:00-6:00pm</b> (17:00-18:00)	<b>Plenary Session</b>	<b>Main Assembly Hall</b>

Chair: Jan Jakub Michałek

- **Work in Transition: How demographics, automation and migration transform work in Emerging Europe**  
by **Guriev, Sergei**

# ANNUAL CONFERENCE ON GLOBAL ECONOMIC ANALYSIS

## THURSDAY, JUNE 20

### Presentation Schedule

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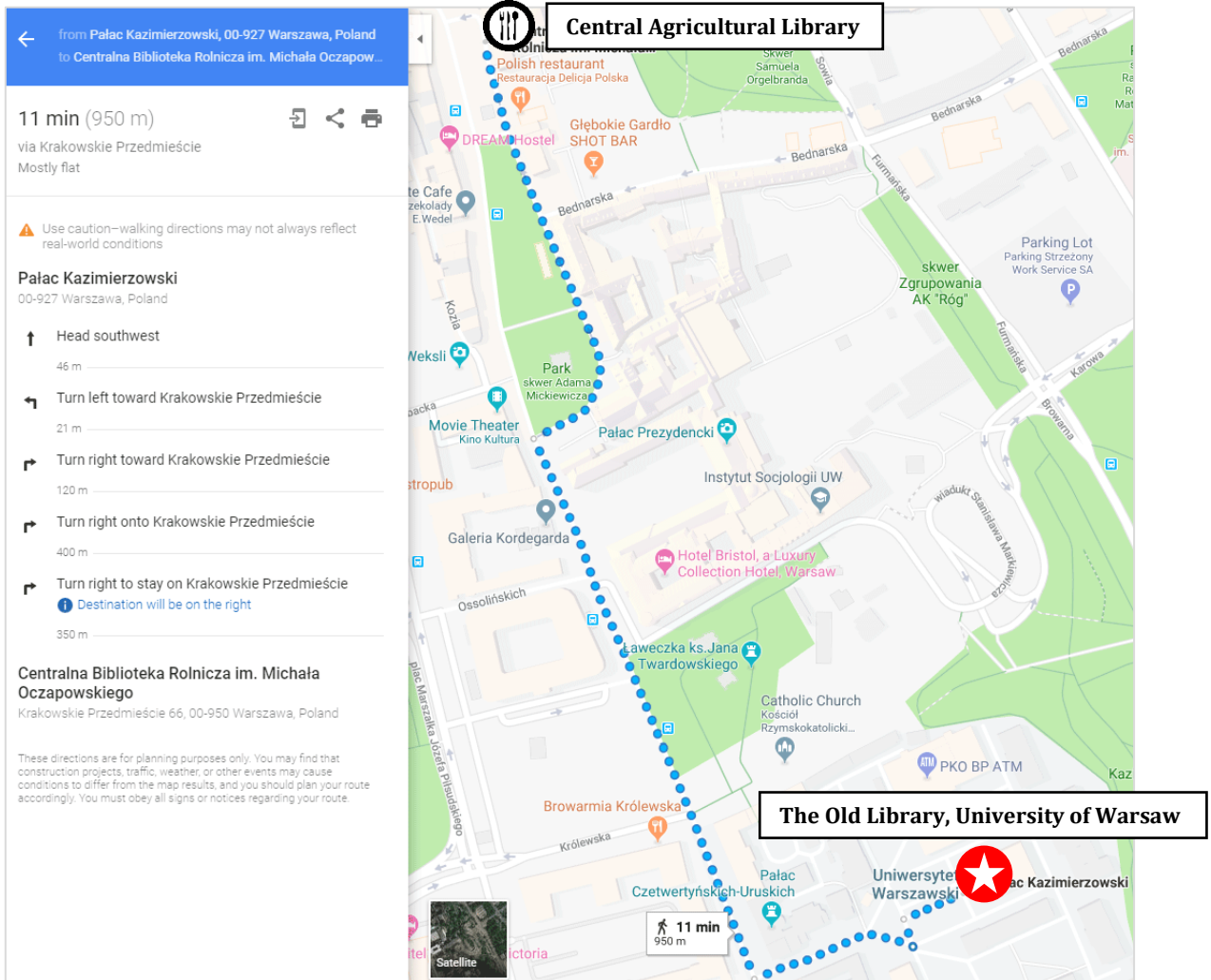


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Time	Event	Location
7:00pm (19:00)	Dinner and Awards Ceremony	Reading Room, Central Agricultural Library

**Reading Room, Central Agricultural Library**  
Krakowskie Przedmieście 66, 00-950 Warsaw



#### Awards Ceremony

- Conference Co-Organizers
- Conference Travel Funding Recipients
- Alan A. Powell Award
- GTAP Research Fellows

# ANNUAL CONFERENCE ON GLOBAL ECONOMIC ANALYSIS

## FRIDAY, JUNE 21

### Session Overview

Session details for this day are listed on pages 40-44. You can also access the conference schedule through the **Whova** mobile app. See page 3 for details.

	Main Assembly Hall	Rm 111	Rm 112	Rm 113	Rm 114	Rm 115	Rm 116	Rm 308	Rm 213
9:00-11:00am		<p><b>*Session #44</b>  <i>Reinforcing trade policy modelling in Africa through training and capacity building</i></p> <p>Pg. 40</p>	<p><b>*Session #45</b>  <i>Integrating Econometric and General Equilibrium Modelling Approaches</i></p> <p>Pg. 40</p>	<p><b>*Session #46</b>  <i>New initiatives on transparency in trade</i></p> <p>Pg. 41</p>	<p><b>Session #47</b>  <i>Climate Impacts on Agriculture</i></p> <p>Pg. 41</p>	<p><b>Session #48</b>  <i>Modelling and Software Developments</i></p> <p>Pg. 42</p>	<p><b>Session #49</b>  <i>Food Security</i></p> <p>Pg. 42</p>	<p><b>Session #50</b>  <i>Mitigating GHG Emissions</i></p> <p>Pg. 43</p>	<p><b>Session #51</b>  <i>Climate Impacts</i></p> <p>Pg. 43</p>
11:30am-12:30pm	<p><b>Plenary Session</b>  <i>Trade and Worker Deskilling</i></p> <p>Pg. 44</p>								
12:30-1:00pm (12:30-13:00)	<p><b>Closing Ceremony</b></p> <p>Pg. 44</p>								

\*Organized Session

**FRIDAY, JUNE 21**

**Distinguished Plenary Speaker**

***“Trade and Worker Deskilling”***



**Swati Dhingra**

Associate Professor

Department of Economics, London School of Economics

<https://www.sdhingra.com/>

Swati Dhingra is an Associate Professor of Economics at the London School of Economics, researching globalisation and industrial policy. She is co-author of the recent “Life after Brexit” report published by the LSE’s Centre for Economic Performance, which looked at the UK’s options outside of the EU. She is also associate editor of the Journal of International Economics. Swati was awarded the FIW Young Economist Award and the Chair Jacquemin Award by the European Trade Study Group for her work on firms and globalization. Swati’s work has informed bodies such as the Parliamentary International Trade Committee, CBI, Treasury, Social Enterprise UK, Credit Suisse and Sunderland City Council, and has featured in the media, including outlets such as the BBC, Foreign Affairs, Financial Times, The Economist, The Times and Business Standard.



FRIDAY, JUNE 21

## Presentation Schedule

Presenters (in bold) should arrive 10 minutes prior to the start of their session with their presentation on a USB drive in both PowerPoint and PDF formats. Unless otherwise noted, all breakout session presenters are allotted 30 minutes - 20 for presentation, immediately followed by 10 for discussion.

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Time	Event	Location
8:00-11:00am	Onsite Registration	Main Hall
9:00-11:00am	Organized Session #44	Rm 111

***"Reinforcing trade policy modelling in Africa through training and capacity building"***

Organizers: Mustapha Sadni Jallab and Simon Mevel

Chair: Antoine Bouët

- **Overview of joint ATPC-IDEP-IFPRI online course on economic modeling (#5839)**  
by **Bouët, Antoine** and **Samuel Maxime Coly**
- **Investigating how realising export potential through regional trade can contribute toward economic development in the Tripartite Free Trade Area (#5766)**  
by **Ferreira, Lorraine** and **Ermie Steenkamp**
- **Assessing the impacts of Non-Tariff Barriers in the African Continental Free Trade Area (#5705)**  
by **Leudjou Njiteu, Rostant Roland**
- **Potential effects of African continental free trade agreement on agricultural development and poverty reduction in Ghana (#5889)**  
by **Owusu, Rebecca**

9:00-11:00am	Organized Session #45	Rm 112
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***"Integrating Econometric and General Equilibrium Modelling Approaches"***

Organizer: Christian Henning

Chair: Ruth Delzeit

- **Estimation of Growth Elasticities in the General Equilibrium Framework under Model Uncertainty (#5807)**  
by **Mukashov, Askar**, **Ding Jin**, **Christian Henning** and **Johannes Hedtrich**
- **A Baseline Calibration Procedure for CGE models: An Application for DART (#5755)**  
by **Jin, Ding**, **Sneha Dattatraya Thube**, **Johannes Hedtrich**, **Christian Henning** and **Ruth Delzeit**
- **Narratives in Economic Modelling: A new kid on the block? (#5799)**  
by **Hedtrich, Johannes** and **Christian Henning**
- Discussant: Christian Henning

**FRIDAY, JUNE 21**

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Time	Event	Location
9:00-11:00am	Organized Session #46	Rm 113

***“New initiatives on transparency in trade”***

Organizer: Mondher Mimouni

Chair: Lionel Fontagné

- **New multi-agency global initiative on transparency in trade: Global Trade Helpdesk (#5821)**  
by **Mimouni, Mondher** and Mathieu Loridan
- **Global Landscape of Rules of Origin: Insights From The New Comprehensive Database (#5827)**  
by Dinh, Duy, **Dzmitry Kniahin**, Mondher Mimouni and Xavier Pichot
- Discussants: Bob Koopman and Andreas Maurer
- **Launch of the Market Access Map application**

9:00-11:00am	Session #47	Rm 114
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***“Climate Impacts on Agriculture”***

Chair: Luis Moises Pena Levano

- **Global Economic Effects from Climate Impacts on Agriculture and Livestock: the Role of Land Use Changes and Broad Sectoral Coverage (#5831)**  
by Reilly, John, **Angelo Gurgel** and Elodie Blanc
- **Global economic and environmental outcome of livestock sector and climate change (#5881)**  
by **Pena Levano, Luis Moises**, Farzad Taheripour and Wally Tyner
- **Assessing the Economic Impacts of Ecosystem Services within the GTAP Framework (#5724)**  
by **Johnson, Justin**, Uris Lantz Baldos, Thomas Hertel and Stephen Polasky
- **The critical role of conversion cost and comparative advantage in modeling agricultural land use change (#5697)**  
by **Zhao, Xin**, Katherine Calvin and Marshall Wise

FRIDAY, JUNE 21

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Time	Event	Location
9:00-11:00am	Session #48	Rm 115

**“Modelling and Software Developments”**

Chair: Katarzyna Zawalinska

- **Achieving R&D intensity targets by different policy instruments: CGE analysis for Poland** (#5858)  
by **Zawalinska, Katarzyna**, Nhi Tran and Adam Ploszaj
- **Including bottom-up emission abatement technologies in a large-scale global model for policy assessments** (#5716)  
by **Weitzel, Matthias**, Toon Vandyck and Bert Saveyn
- **Improving the Performance of sparse LU Decomposition in GEMPACK** (#5796)  
by **Schiffmann, Florian** and Michael Jerie
- **Testing a methodology to split a national SAM and compute intra-national trade flows: an application for the Russian regions** (#5742)  
by **Standardi, Gabriele** and Natalia Turdyeva

9:00-11:00am	Session #49	Rm 116
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**“Food Security”**

Chair: Thomas Hertel

- **What is the State of Resilience of Today’s Global Food System? Looking back to 1816** (#5856)  
by **Boysen, Ole**, Kirsten Boysen-Urban and Carsten Marohn
- **Estimating the impact of quantitative export restrictions on agricultural trade and prices** (#5867)  
by **Estrades, Carmen**, Angel Aguiar and Jayson Beckman
- **Volatility of agricultural prices under future climate change scenarios** (#5860)  
by **McClain, Verena** and Thomas Hertel
- **Trade in Technology: A Potential Solution to the Food Security Challenge of the 21st Century** (#5899)  
by **Hertel, Thomas**, Uris Lantz Baldos and Keith O. Fuglie

FRIDAY, JUNE 21

## Presentation Schedule

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Time	Event	Location
9:00-11:00am	Session #50	Rm 308
	<p><b><i>"Mitigating GHG Emissions"</i></b> Chair: Maksym Chepeliev</p> <ul style="list-style-type: none"> <li>- <b><u>An economic assessment of the European strategic long-term vision for greenhouse gas reductions</u></b> (#5886) by Keramidas, Kimon, Stephan Tchong-Ming, Ana Diaz-Vazquez, Matthias Weitzel, Jacques Despres, Andreas Schmitz, <b>Luis Rey</b>, Krzysztof Wojtowicz, Burkhard Schade, Bert Saveyn and Antonio Soria Ramirez</li> <li>- <b><u>The risk of carbon leakage in the context of increasing the EU greenhouse gas emission reduction target</u></b> (#5754) by <b>Gaska, Jan</b>, <b>Maciej Pyrka</b>, Robert Jeszke, Marian Mraz, Wojciech Rabiega and Monika Sekula</li> <li>- <b><u>Projected Impacts on Greenhouse Gas Emissions of Changes in Chinese Diet</u></b> (#5877) by <b>Jacobs, Henry</b></li> <li>- <b><u>Implications of the Emission Reduction Policies for a Fossil Fuel Abundant Economy</u></b> (#5773) by <b>Kapsalyamova, Zhanna</b>, Aidyn Bakdolotov and Chingiz Shuneyev</li> </ul>	
9:00-11:00am	Session #51	Rm 213
	<p><b><i>"Climate Impacts"</i></b> Chair: Cecilia Bellora</p> <ul style="list-style-type: none"> <li>- <b><u>Comparing Economic and Crop Models: The Case of Climatic and Agricultural Impacts of Nuclear War</u></b> (#5704) by <b>Hochman, Gal</b>, Hainan Zhang, Alan Robock, Lili Xia, Saketh Aleti and Dominique van der Mensbrughe</li> <li>- <b><u>Socio-Economic Impacts of Future Mobility Disruption Scenarios</u></b> (#5713) by <b>Tamba, Marie</b>, Bert Saveyn, Jette Krause, Monica Grosso, Biagio Ciuffo and Amandine Duboz</li> <li>- <b><u>Economic implications of future heat stress on labour productivity.</u></b> (#5780) by <b>Szewczyk, Wojtek</b>, Simon Gosling and Jamal Zaherpour</li> </ul>	
11:00-11:30am	Coffee Break	Main Hall

**FRIDAY, JUNE 21**  
**Presentation Schedule**

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>11:30am-12:30pm</b>	<b>Plenary Session</b>	<b>Main Assembly Hall</b>
	Chair: Russell Hillberry	
	– <b>Trade and Worker Deskilling</b> by <b>Dhingra, Swati</b>	
<b>12:30-1:00pm</b> (12:30-13:00)	<b>Closing Ceremony</b>	<b>Main Assembly Hall</b>
	– <b>2020 Conference Preview</b> <b>Nobuhiro Hosoe</b>	
	– <b>Closing Remarks</b> <b>Dominique van der Mensbrugghe</b>	
<b>1:00-2:30pm</b> (13:00-14:30)	<b>Lunch</b>	<b>Main Hall</b>

**SATURDAY, JUNE 22**  
**Post-Conference Event**



**General Information**

Those individuals who registered and paid to participate in this event will enjoy a full-day of sightseeing and Polish culture in Warsaw. Temperatures in June can range from morning lows in the 50s°F (10 C) to afternoon highs in the low 70s°F (21 C). Rain is also always a possibility. Participants should dress comfortably, with good walking shoes.

**Schedule**

Time	Details
<b>8:45am</b>	The meeting point for the excursion is the <b>Novotel Warszawa Centrum</b> , ul Marszalkowska 94/98 Warsaw 00-510. All participants must meet in the lobby to board transportation.
<b>9:00am-1:00pm</b> (9:00-13:00)	<b>Warsaw Sightseeing</b> Participants will be provided earphones to follow along the guided tour of the Palace of Culture and Science, Lazienki Royal Park, Jewish Ghetto, Royal Route, Castle Square, Old Town, and New Town Market.
<b>1:30-4:30pm</b> (13:30-16:30)	<b>Best of Polish Food</b> During this culinary event, participants will get to taste traditional Polish fare and sample different types of Polish vodka.
<b>Cruise 1 – 6:00-7:00pm</b> (18:00-19:00)  <b>Cruise 2 – 7:00-8:00pm</b> (19:00-20:00)	<b>Warsaw River Cruise</b> Two separate one-hour cruises will end the day and be a nice opportunity for participants to view the city from the perspective of the Vistula River.
<b>Cruise 1 – 7:00pm (19:00)</b>  <b>Cruise 2 – 8:00pm (20:00)</b>	Following each cruise, a bus will collect participants and return them to the Novotel Warszawa Centrum. Alternatively, the docking point is close to Warsaw’s Old Town and participants may choose to depart on their own following their cruise.

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**23<sup>rd</sup> Annual Conference on Global Economic Analysis**

*“Global Economic Analysis beyond 2020”*



**National Graduate Institute for Policy Studies (GRIPS)**  
**Tokyo, Japan | June 17-19, 2020**

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Abstract Submissions	November 2019 – January 15, 2020
Organized Session Proposal Submissions	November 2019 – January 15, 2020
Abstracts Review Period	mid-January – mid-February 2020
Status Notifications	early March 2020
Final Paper Submission	April 15, 2020
Early Registration	April 15, 2020
Late Registration	April 30, 2020
Registration Payment	May 7, 2020

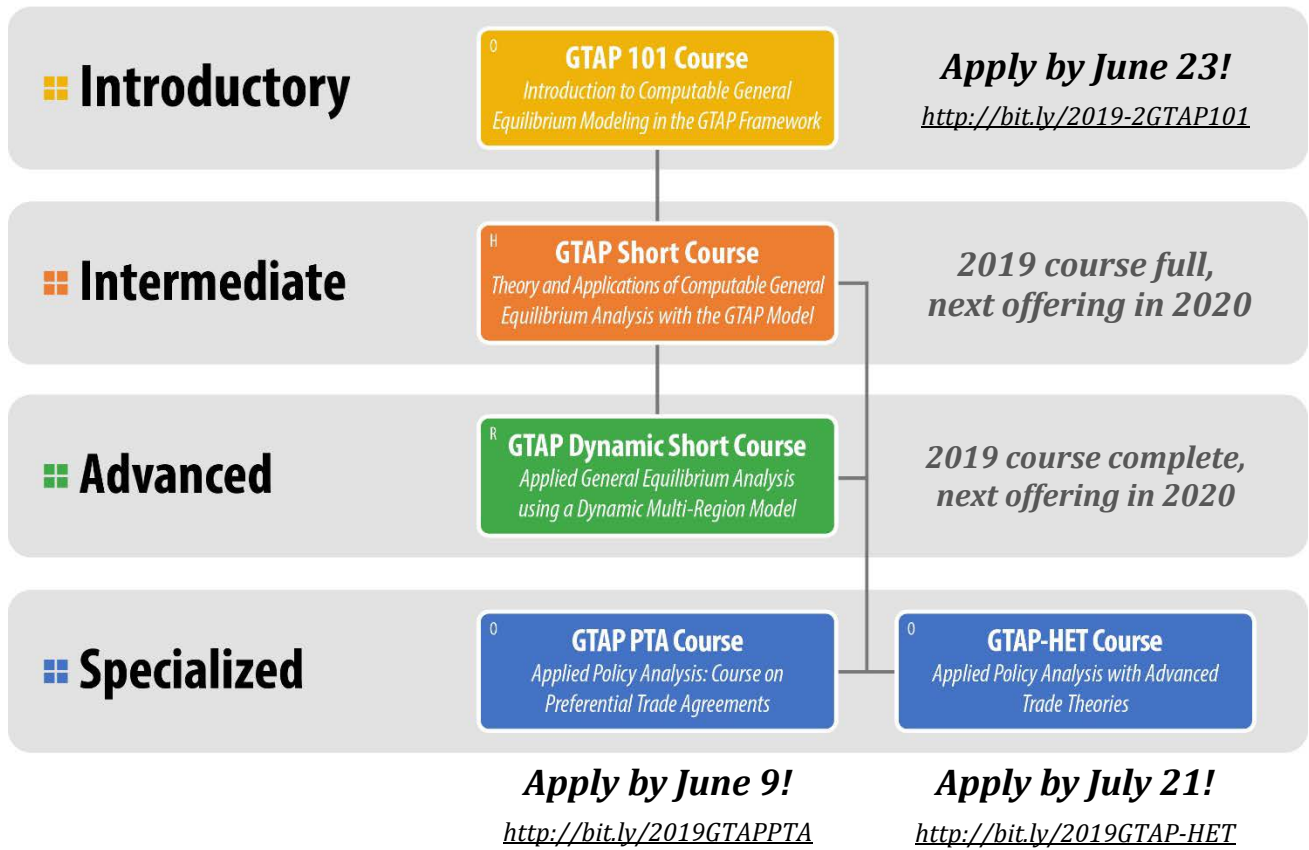
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**NOTES**



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