



20th Annual Conference on Global Economic Analysis

*Global Economic Analysis in the 21st Century:
Challenges and Opportunities*



*Purdue University
West Lafayette, IN, USA
June 7-9, 2017*

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GENERAL INFORMATION

Location

Purdue University, Stewart Center (STEW)
128 Memorial Mall, West Lafayette, Indiana 47907 USA

Dates

June 7-9, 2017

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 and poster 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.

"Global Economic Analysis in the 21st Century: Challenges and Opportunities"

- Sustainable Development
- Climate change policies and adaptation
- Whither regionalism in the absence of a global trade agreement?
- Agricultural innovation, growth and transformation
- Capital and inequality in the 21st century

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

www.gtap.agecon.purdue.edu/events/conferences/2017/ ISSN 2160-2115 (online)

Conference Organizer



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

MOBILE 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 - Download Whova App



Step 2 - Tap "Find Your Event"



Step 3 - Search for "GTAP"



Step 4 - Create an account



Step 5 - Enjoy the conference!



Other Useful Notes

- Be sure to allow push notifications from Whova to ensure you receive schedule updates and other communication during the conference.
- GTAP's Social media is linked through Whova. We'd love to hear from you!



Invitation code: *acgos*

SPECIAL RECOGNITION**Co-Chairs**

- **Dominique van der Mensbrugghe**, Director
- **Thomas Hertel**, Distinguished Professor and Executive Director
Center for Global Trade Analysis, Department of Agricultural Economics, Purdue University

Program Committee Members

Philip Adams	Andres Escobar	David Hummels	Maryla Maliszewska	Wally Tyner
S. Amer Ahmed	Alan Fox	Stephen Karingi	Brian O'Neill	Terrie Walmsley
Ricardo Arguello	Angelo Gurgel	Kenichi Kawasaki	Roberto Roson	Niven Winchester
Jayson Beckman	Russell Hillberry	Zornitsa Kutlina-Dimitrova	Marinos Tsigas	Wusheng Yu

Abstract Reviewers

Shahid Ahmed	Michael Ferrantino	Jing Liu	Roberto Roson
Zeynep Akgul	Emanuele Ferrari	Sheng Lu	Amadou Sagnon
Misak Avetisyan	Joaquim Bento	Jonas Luckmann	Mohd. Abdus Salam
Levent Aydin	Ferreira-Filho	Aline Magalhaes	Durdane Sirin Saracoglu
Jayatilleke Bandara	James Fetzer	Abdullah Mamun	Rahul Sen
Seetha Bandara	Alan Fox	Ahangamage Manel	Anirudh Shingal
Anusha Bansal	Florian Freund	Subashini Perera	Chandrima Sikdar
Andre Barbe	Anand Ganesh-Kumar	Angelica Marrero-Sanchez	Mahinda Siriwardana
Güzin Bayar	Ziad Ghaith	Kenichi Matsumoto	Nuno Sousa
Jayson Beckman	Brad Gilmour	Verena Mecklenbrauck	Cecilia Springer
Andrea Bigano	Aida Gonzalez-Mellado	Xue Meng	Jevgenijs Steinbuks
Bineswaree Bolaky	Christophe Gouel	Phongpob Methakullawat	Saara Tamminen
Pierre H Boulanger	Jared Greenville	Gabriel Michelena	Anjali Tandon
Mary Burfisher	Roberta Grundling	Fulgence Mishili	Isabel Teichmann
Yongyang Cai	Houssein Guimbard	David Mora	Tavishi Tewary
Caitlyn Carrico	Jan Hagemeyer	Kakali Mukhopadhyay	Karen Thierfelder
Rajesh Chadha	Ross Hallren	Brian Mureverwi	Marinos Tsigas
Ching-Cheng Chang	Iman Haqiqi	Badri Narayanan	Komi Tsowou
Maksym Chepeliev	Yiseok Hong	Gladys Navarro	Wally Tyner
Sera Chiuchiarrelli	Shih-Hsun Hsu	Ronie Nguenkwe	Yasin Uzun
Martin Cicowicz	James Hurungo	Alejandro Nin-Pratt	Vinicius Vale
Paula Cobas	Zekarias Hussein	Mahmoud Obeid	Giovanni Valensisi
Jared Creason	Fernando Izquierdo	Mary Odongo	Nico van Leeuwen
Jingbo Cui	Dora Elena Jiménez	Masahiro Omura	Beatriz Velazquez
Gouranga Das	Giraldo	Hom Pant	Monika Verma
Surajit Deb	Kayenat Kabir	Janine Pelikan	Cristina Vinyes
Yvan Decreux	Mercylaine Kamande	Luis Moises Pena Levano	Mike Webb
Rob Dellink	Zhanna Kapsalyamova	Xiujian Peng	Elise Whalan
Huong Dinh	Nozomi Kato	Fernando Perobelli	Gregory Whitten
Sumali Dissanayake	Parviz Khakimov	Jeffrey C. Peters	Tony Wiskich
Janine Dixon	Jong-Hwan Ko	Everett Peterson	Glyn Wittwer
Fabio Eboli	Vitaliy Krupin	Roberto Pitea	Sara Wong
Patterson Ekeocha	Massimiliano La Marca	Dandy Rafitrandi	Yingying Xu
Aziz Elbehri	Huey-Lin Lee	Selim Raihan	Guolin Yao
Carmen Estrades	Shantong Li	Manitra A. Rakotoarisoa	Liu Yu
Mingtai Fan	Yingzhu Li	Maureen Rimmer	Wen Yuan
Fabienne Femenia	Hai Lin		Katarzyna Zawalinska

Conference Mentors

Angel Aguiar	Y.-H. Henry Chen	Alla Golub	Badri Narayanan	Farzad Taheripour
Ricardo Arguello	Margaret Chitiga	Angelo Gurgel	Ramiro Parrado	Kirsten Urban
Uris Lantz Baldos	Erwin Corong	Jianwu He	Sherman Robinson	David Vanzetti
Ole Boysen	Lucas Ferraz	Russell Hillberry	Hugo Rojas-Romagosa	George Verikios
Wolfgang Britz	Dorothee Flaig	María C. Latorre	Luca Salvatici	Glyn Wittwer
Mary Burfisher	Alex Gohin	Hans Lofgren	Ronald Sands	Shunli Yao

KEN PEARSON TRAVEL FUNDS



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 2017 Ken Pearson Travel Funds.



Mr. Sudarshan Chalise

PhD Scholar, Griffith University, Australia

Climate change, adaptation in agriculture and poverty in Nepal: A computable general equilibrium analysis

by Chalise, Sudarshan, Athula Naranpanawa and Jayatilleke Bandara
(Session #24, pg. 28)

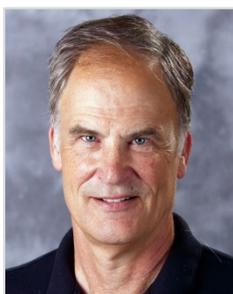
Sudarshan Chalise is a PhD scholar at Griffith Business School, Griffith University, Australia. His thesis on general equilibrium analysis of climate change adaptation in agriculture is currently under examination.

He completed an MPhil from Tribhuvan University, Nepal. He is a senior research assistant at Griffith Institute for Tourism, Griffith University. Sudarshan is also a sessional academic at Griffith Business School, Griffith University where he teaches Economics and Quantitative methods for Undergraduate and Postgraduate levels. Sudarshan's academic and research work has mainly focused on economics of climate change, computable general equilibrium (CGE) modelling and applications, land use change, sustainable development, and ecological economics. He has presented research papers at various local and international platforms. He has published research in renowned academic journals, such as Land Use Policy and Economic Modelling, and has reviewed several papers of top ranked journals.

ALEX MEERAUS / THOMAS RUTHERFORD TRAVEL FUNDS



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 Banks' 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 Price 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



Recipient

The GAMS Development Corporation and the Center for Global Trade Analysis, Purdue University are pleased to announce the following recipient of the 2017 Alex Meeraus / Thomas Rutherford Travel Funds.



Dr. Qiaomin Li

Lecturer, Northwest University, China

Analyzing Effects of the RCEP on FDI in a Firm Heterogeneity CGE Framework

by Li, Qiaomin

(Session #6, pg. 16)

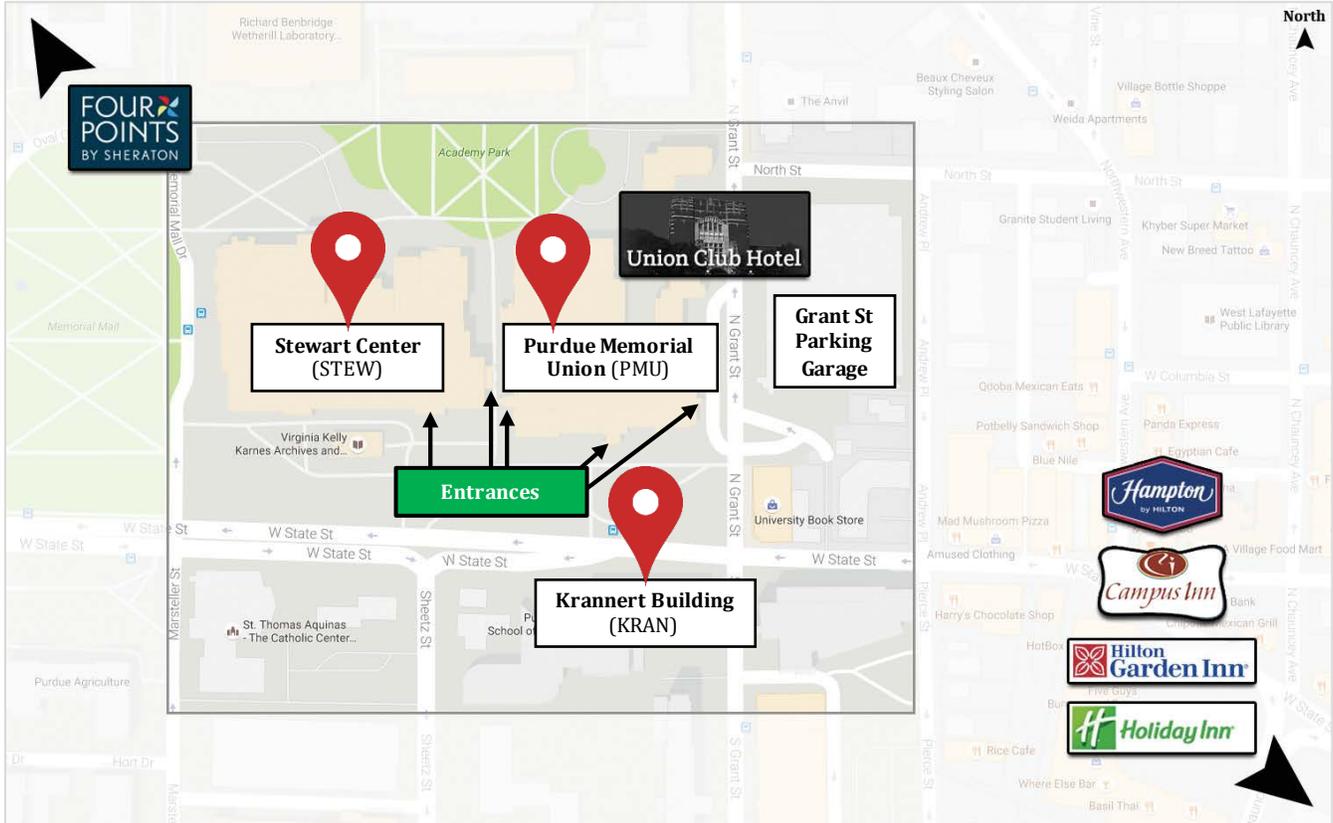
Qiaomin Li is a lecturer of the Northwest University, China. She specializes in trade economy and CGE modelling. She earned a Doctoral degree from the University of Auckland, New Zealand. In her thesis, she built a CGE model to assess the effect of free trade agreement on foreign direct investment. This, along with Carbon Capture and Storage (CCS), with which she is trying to build a CGE model to evaluate a CCS project of Shaanxi province, China, are her current areas of research.

20TH ANNUAL GTAP CONFERENCE

CONFERENCE VENUE

Location

Purdue University, Stewart Center (STEW)
128 Memorial Mall, West Lafayette, Indiana 47907 USA



WiFi

Name: attwifi
Password: not required

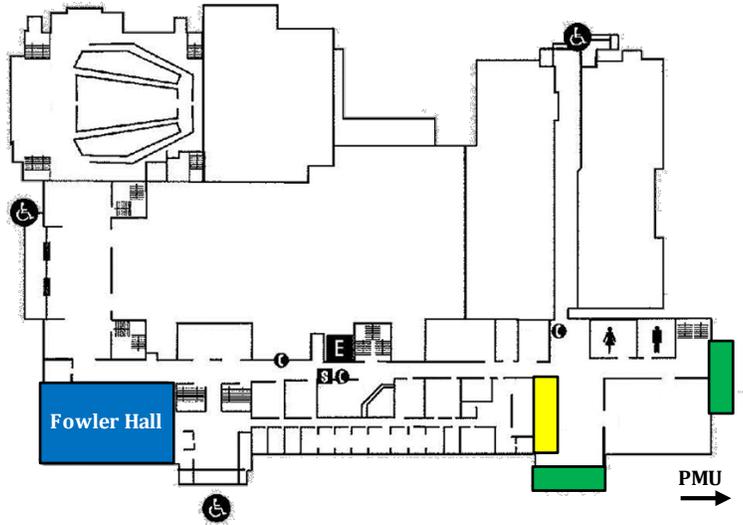


CONFERENCE VENUE MAPS

Stewart Center (STEW)

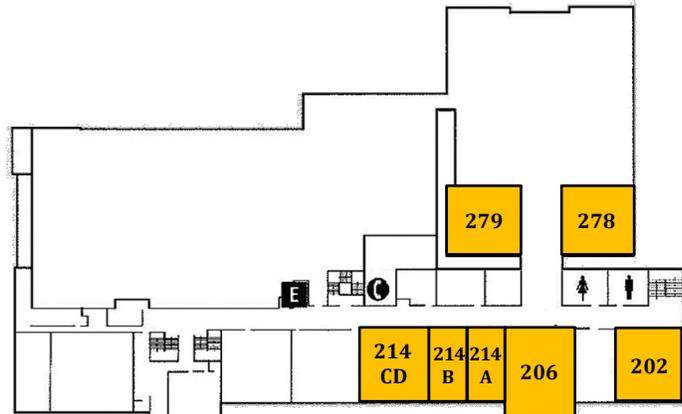
1st Floor

- Entrances
- Registration Desk - East Foyer
- Plenary Sessions - Fowler Hall



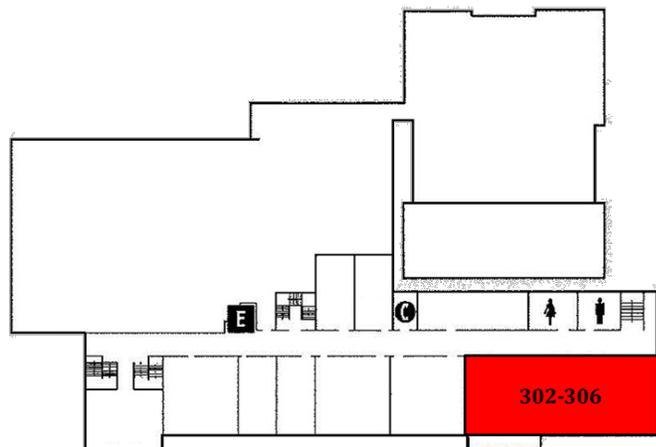
2nd Floor

- Parallel Sessions - 202, 206, 214A, 214B, 214CD, 278, 279



3rd Floor

- Coffee Breaks - 302-306



CONFERENCE VENUE MAPS

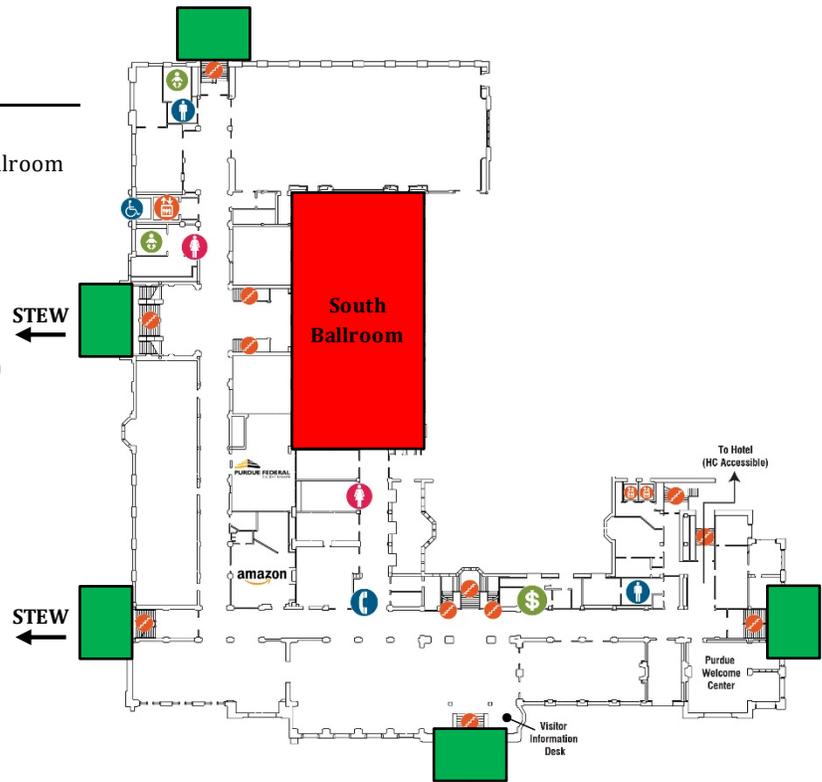
Purdue Memorial Union (PMU)

Main Floor

- Entrances
- Lunches, Reception, Dinner – South Ballroom

Services

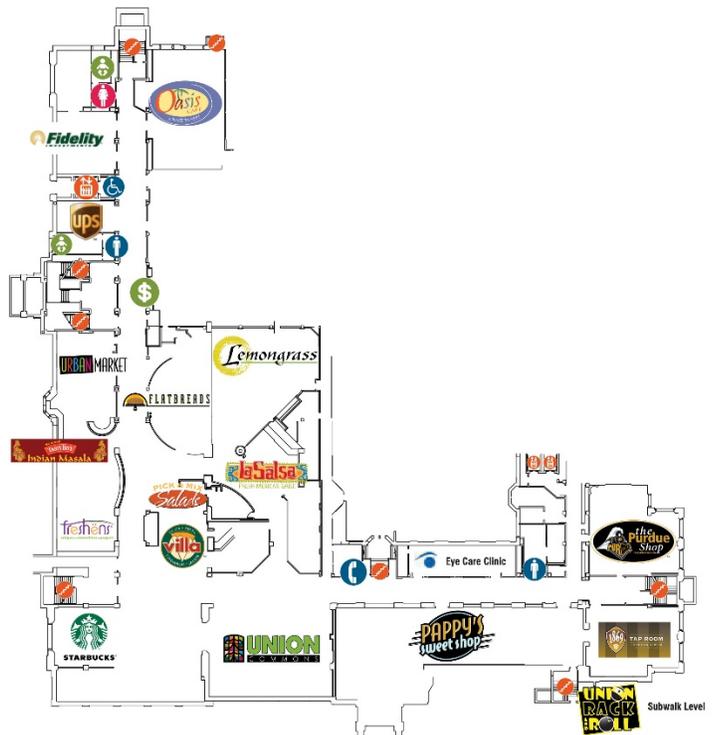
- Purdue Welcome Center
- Boiler Copy Maker
- Purdue Federal Credit Union
- Automatic Teller Machines (ATMs)
- Amazon@Purdue
(<http://purdue.amazon.com>)



Ground Floor

Services

- Dining
- The UPS Store
- Automatic Teller Machines (ATMs)
- Eye Care Clinic
- Purdue Retail Shop
- Bowling



20TH ANNUAL GTAP CONFERENCE

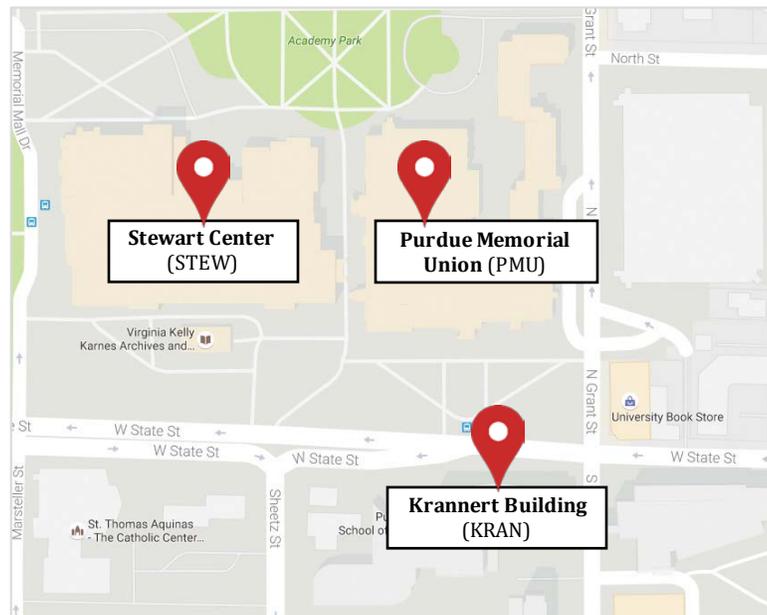
TUESDAY, JUNE 6 Pre-Conference Seminars

Time	Event	Location
4:00-6:00pm (16:00-18:00)	Pre-Conference Seminars	KRAN 758



The Krannert Building (KRAN), pictured to the left, is located directly across from the Purdue Memorial Union at the southwest corner of the State and Grant Street intersection at 403 W State St, West Lafayette, IN 47907.

Enter Krannert through the main doors facing State Street or the side doors facing Grant Street, head past the spiral staircase, and elevators will be straight ahead. Take an elevator to the 7th floor, exiting left, and room 758 will be on your left next to the elevators.



For those that registered to attend the pre-conference seminars, please make note of the following schedule. The times listed below are approximate, as the seminars will run consecutively.

4:00-5:00pm **GTAP Model Facelift**
(16:00-17:00) Dominique van der Mensbrugge and Erwin Corong

5:00-6:00pm **Global to Local Analysis of Systems Sustainability**
(17:00-18:00) Uris Lantz Baldos and Thomas Hertel

20TH ANNUAL GTAP CONFERENCE

WEDNESDAY, JUNE 7
Session Overview

Session details for this day are listed on pages 14-23. You can also access the conference schedule through the **Whova** mobile app. See page 3 for details.

	STEW Fowler Hall	STEW 202	STEW 206	STEW 214A	STEW 214B	STEW 214CD	STEW 278	STEW 279
8:30-9:00am	Opening Ceremony <i>Pg. 14</i>							
9:00-11:00am	Plenary Session <i>"Back to the Future: A 25-year Retrospective on GTAP and the Shaping of a New Agenda"</i> <i>Pg. 14</i>							
11:30am-1:00pm (11:30-13:00)		*Session #1 <i>BREXIT - From Soft to Hard - Alternative Exit Options</i> <i>Pg. 14</i>	Session #2 <i>Supply and Global Value Chain Assessments</i> <i>Pg. 15</i>	Session #3 <i>Food Waste</i> <i>Pg. 15</i>		*Session #4 <i>Forests and Global Change</i> <i>Pg. 15</i>	Session #5 <i>Water</i> <i>Pg. 16</i>	Session #6 <i>Analysis of Trade Agreements</i> <i>Pg. 16</i>
2:00-4:00pm (14:00-16:00)		*Session #7 <i>Econometric and CGE analyses of investment flows</i> <i>Pg. 17</i>	Session #8 <i>Food Prices and Security</i> <i>Pg. 17</i>	Session #9 <i>Evaluation of Environmental and Agricultural Resources</i> <i>Pg. 18</i>	Session #10 <i>Agricultural Policies in North America</i> <i>Pg. 18</i>	*Session #11 <i>Irrigation Expansion: Potentials, Institutional Constraints and Consequences</i> <i>Pg. 19</i>	Session #12 <i>Non-Tariff Barriers</i> <i>Pg. 19</i>	Session #13 <i>Climate Change Policy</i> <i>Pg. 20</i>
4:30-6:30pm (16:30-18:30)		*Session #14 <i>Introducing the Ag-Incentives Database</i> <i>Pg. 20</i>	Session #15 <i>Baseline and Economic Development</i> <i>Pg. 21</i>	Session #16 <i>African Trade Policies</i> <i>Pg. 21</i>	Session #17 <i>General Equilibrium Modelling</i> <i>Pg. 22</i>	Session #18 <i>Economic Growth in Asia</i> <i>Pg. 22</i>	Session #19 <i>Economic Crisis Assessments</i> <i>Pg. 23</i>	Session #20 <i>Climate Change Policy and Impacts</i> <i>Pg. 23</i>

*Organized Session

WEDNESDAY, JUNE 7

Plenary Session: “Back to the Future: A 25-year Retrospective on GTAP and the Shaping of a New Agenda”

Moderator



Sarahelen Thompson

Deputy Director
US Department of Commerce, Bureau of Economic Analysis

Panelists



Thomas Hertel

Distinguished Professor and Executive Director
Center for Global Trade Analysis, Department of Agricultural Economics, Purdue University

Topic: *“Introduction, vision, and thoughts for the future”*



Frank van Tongeren

Head of Division, Policies in Trade and Agriculture
Organisation for Economic Co-operation and Development (OECD)

Topic: *“GTAP as a common language and global public good”*



Bob Koopman

Chief Economist
Economic Research and Statistics Division, World Trade Organization

Topic: *“GTAP’s influence on trade policy makers”*



John Reilly

Co-Director
The MIT Joint Program on the Science and Policy of Global Change

Topic: *“GTAP’s role in meeting the needs for quantitative environmental assessment”*



Joseph Francois

Professor of Economics
World Trade Institute

Topic: *“GTAP’s role in practical implementation of theoretical advances in trade modeling”*



Stephen Karingi

Director, Capacity Development Division
United Nations Economic Commission for Africa

Topic: *“GTAP’s role in addressing developing countries’ issues”*

WEDNESDAY, JUNE 7

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 parallel session presentations 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/2017/

Time	Event	Location
8:00am-5:00pm (8:00-17:00)	Onsite Registration	STEW East Foyer
8:30-9:00am	Opening Ceremony	STEW Fowler Hall
	<ul style="list-style-type: none"> - Thomas Hertel Distinguished Professor and Executive Director, Center for Global Trade Analysis, Purdue University - Dominique van der Mensbrughe Director and Research Professor, Center for Global Trade Analysis, Purdue University 	
9:00-11:00am	Plenary Session	STEW Fowler Hall
	<p><i>"Back to the Future: A 25-year Retrospective on GTAP and the Shaping of a New Agenda"</i> Moderator: Sarahelen Thompson</p> <p>Panelists</p> <ul style="list-style-type: none"> - Thomas Hertel - <i>"Introduction, vision, and thoughts for the future"</i> - Frank van Tongeren - <i>"GTAP as a common language and global public good"</i> - Bob Koopman - <i>"GTAP's influence on trade policy makers"</i> - John Reilly - <i>"GTAP's role in meeting the needs for quantitative environmental assessment"</i> - Joseph Francois - <i>"GTAP's role in practical implementation of theoretical advances in trade modeling"</i> - Stephen Karingi - <i>"GTAP's role in addressing developing countries' issues"</i> 	
11:00-11:30am	Coffee Break	STEW 302-306
11:30am-1:00pm (11:30-13:00)	Organized Session #1	STEW 202
	<p><i>"BREXIT - From Soft to Hard - Alternative Exit Options"</i> Organizers: Christoph Böhringer and Thomas Rutherford Chair: Christoph Böhringer</p> <ul style="list-style-type: none"> - <u>Forgone benefits of economic integration: Brexit</u> (#5223) by van Tongeren, Frank, Dorothee Flaig and Christine Arriola - <u>Brexit Trade Impacts: Alternative Scenarios</u> (#5252) by Ciuriak, Dan, Ali Dadkhah and Jingliang Xiao 	

WEDNESDAY, JUNE 7

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 parallel session presentations 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/2017/

Time	Event	Location
11:30am-1:00pm (11:30-13:00)	Session #2	STEW 206

"Supply and Global Value Chain Assessments"

Chair: Anna Strutt

- **Supply Chains and Tariff Rates: The Impact of Reversing NAFTA** (#5297)
by **Walmsley, Terrie** and Peter Minor
- **The Effect of NTM Compliance Measures on Supply Chains in the Asia-Pacific Region** (#5266)
by **Webb, Mike** and Anna Strutt
- **How Reducing Regulatory Barriers for Trade in Services may Affect the Architecture of Global value Chains: the Case of TISA** (#5359)
by **Ferraz, Lucas**, André Diniz and Vera Thorstensen

11:30am-1:00pm (11:30-13:00)	Session #3	STEW 214A
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"Food Waste"

Chair: Manitra A. Rakotoarisoa

- **Consumer Food Waste: New estimates and approach** (#5337)
by **Verma, Monika**, Linda de Vreede, Thom Achterbosch and Martine Rutten
- **Economy-wide Assessment of Reducing Food Loss and Waste on Food Security in the APEC Region** (#5368)
by **Hsu, Shih-Hsun**, Ching-Cheng Chang, Sheng-Ming Hsu and Hsing-Chun Lin

11:30am-1:00pm (11:30-13:00)	Organized Session #4	STEW 214CD
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"Forests and Global Change"

Organizer/Chair: Alla Golub

- **A Shared Socio-economic Pathway Approach to Assessing the Future of the New Zealand Forest Sector** (#5260)
by **Daigneault, Adam**
- **Optimal timber management decisions in the face of future uncertainties** (#5301)
by **Sohngen, Brent**, Alla Golub, Yongyang Cai, Thomas Hertel and John Kim

WEDNESDAY, JUNE 7

Presentation Schedule

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Search by ID# at: www.gtap.agecon.purdue.edu/events/conferences/2017/

Time	Event	Location
11:30am-1:00pm (11:30-13:00)	Session #5	STEW 278
<p><i>"Water"</i> Chair: George Verikios</p> <ul style="list-style-type: none"> - <u>Eco-Compensation in Water Source Area: Insights from Case Studies of Central Route Project of South-to-North Water Transfer in China</u> (#5306) by Wang, Zelin, Ruliang Zhang and Yongqiang Feng - <u>Water Resources in South Asia: An Assessment of Climate Related Vulnerabilities</u> (#5386) by Sahin, Sebnem, Alexander Golub, Elena Golub, Bijon Kumer Mitra, Anil Markandya, Badri Narayanan and Farzad Taheripour 		
11:30am-1:00pm (11:30-13:00)	Session #6	STEW 279
<p><i>"Analysis of Trade Agreements"</i> Chair: Sherman Robinson</p> <ul style="list-style-type: none"> - <u>Analyzing Effects of the RCEP on FDI in a Firm Heterogeneity CGE Framework</u> (#5240) by *Li, Qiaomin <i>*Alex Meeraus / Thomas Rutherford Travel Funds Recipient</i> - <u>Emergent Uncertainty in Regional Integration - Economic impacts of alternative RTA scenarios -</u> (#5212) by Kawasaki, Kenichi - <u>Fiscal Decentralization and Economic Performance in Brazil: An Investigation Using PAEG/GTAP</u> (#5318) by Nazareth, Marcos, Angelo Gurgel and Wilson Vieira 		
1:00-2:00pm (13:00-14:00)	Lunch	PMU South Ballroom

WEDNESDAY, JUNE 7
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 parallel session presentations are allotted 30 minutes - 20 for presentation, immediately followed by 10 for discussion.



Looking for a paper?

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Time	Event	Location
2:00-4:00pm (14:00-16:00)	Organized Session #7	STEW 202

"Econometric and CGE analyses of investment flows"

Organizer/Chair: Marinos Tsigas
 Discussant: Csilla Lakatos

- **Bilateral Investment Treaties, FDI and Developing Countries** (#5298)
 by Wickramarachi, Heather
- **Impact of TTIP: Taking Brexit into Account** (#5229)
 by Oleksejuk, Zoryana, **María C. Latorre** and Hidemichi Yonezawa
- **Addressing Excess Capacity--The Effect of China's FDI in the Iron and Steel Industry in Five Central Asian States: a GTAP-FDI Model Perspective** (#5376)
 by **Yuan, Wen** and Marinos Tsigas

2:00-4:00pm (14:00-16:00)	Session #8	STEW 206
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"Food Prices and Security"

Chair: Pierre H Boulanger

- **Trade Policy, Farm Income Security and Global Food Security: A Quantitative Assessment** (#5321)
 by Narayanan, Badri and Jean Balié
- **Will China's new maize policy be able to solve its messy maize problem?** (#5353)
 by **Yu, Wusheng** and Lijuan Cao
- **Global food supply meets global food demand: Should we bother about the household distribution in global CGE models?** (#5355)
 by **Korovin, Vladimir**, Kirsten Urban, Ole Boysen and Martina Brockmeier
- **The Effects of Trade Openness on Food Prices and Welfare: A Monte Carlo Approach** (#5316)
 by **Mi, Raymond** and Brian Fisher

WEDNESDAY, JUNE 7

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Time	Event	Location
2:00-4:00pm (14:00-16:00)	Session #9	STEW 214A

"Evaluation of Environmental and Agricultural Resources"

Chair: Farzad Taheripour

- **Assessing Wealth and Land Use Impacts of Green Growth Strategies** (#5394)
by Banerjee, Onil, Martin Cicowiez, Sebastian Dudek, Michel Masozera, **Mark Horridge** and Janaki Alavalapati
- **Terrestrial Biodiversity Footprints of Nations - A Multi-Regional Input-Output Model to Trace Biodiversity Impacts along Global Supply Chains** (#5213)
by **Marquardt, Sandra**, Michael Guindon, Harry Wilting, Mark Huijbregts, Zoran Steinmann, Michal Kulak and Sarah Sim
- **Creating a GTAP Model for analysing Resource Efficiency and the Circular Economy** (#5292)
by **Winning, Matthew**, Alvaro Calzadilla, Raimund Bleischwitz and Victor Nechifor

2:00-4:00pm (14:00-16:00)	Session #10	STEW 214B
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"Agricultural Policies in North America"

Chair: David Vanzetti

- **General Equilibrium Analysis of the Farm Bill: Food Versus Farm Subsidies** (#5230)
by Weerasooriya, Senal and **Jeff Reimer**
- **Macroeconomic impacts of the U.S. farm policy: a second best assessment** (#5294)
by Gohin, Alex
- **Technical efficiency of corn production in Sinaloa, Mexico.** (#5264)
by **Becerra-Perez, Luis** and Luis Lopez-Reyes
- **Assessing the Impact of BSE Outbreak in US and Canada Using Historical Simulations** (#5285)
by **Peterson, Everett** and Jason Grant

WEDNESDAY, JUNE 7
Presentation Schedule

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Time	Event	Location
2:00-4:00pm (14:00-16:00)	Organized Session #11	STEW 214CD

"Irrigation Expansion: Potentials, Institutional Constraints and Consequences"

Organizer/Chair: Jing Liu

- **The economic impact of irrigation water scarcity from climate change: A CGE analysis distinguishing between surface and ground water** (#5241)
by **Levin-Koopman, Jason**, Onno Kuik, Richard Tol, Marnix Van Der Vat, Joachim Hunink and Roy Brouwer
- **Modelling the millennium drought in the southern Murray-Darling Basin and subsequent drought in California** (#5225)
by **Wittwer, Glyn**
- **The influence of US water law on irrigation expansion** (#5354)
by **Jame, Sadia**, Laura Bowling, Thomas Hertel, Jing Liu and Iman Haqiqi
- **The expansion of irrigated agriculture in Brazil and potential regional constraints** (#5244)
by **Dos Santos Fachinelli Ferrarini, Angel**, Joaquim Bento de Souza Ferreira Filho, Santiago Vianna Cuadra and Daniel De Castro Victoria

2:00-4:00pm (14:00-16:00)	Session #12	STEW 278
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"Non-Tariff Barriers"

Chair: Zornitsa Kutlina-Dimitrova

- **Trade facilitation impacts: approaches to model "just-in-time" delivery** (#5257)
by **Flaig, Dorothee** and Silvia Sorescu
- **Economic Impacts of Trade Delays in South Asia: GTAP Application of Ad-Valorem Equivalents of Time to Trade** (#5206)
by **Manel Subashini Perera, Ahangamage** and Mahinda Siriwardana
- **Expediting Trade: Impact Evaluation of an In-House Clearance Program** (#5284)
by **Fernandes, Ana, Russell Hillberry** and Claudia Berg
- **21st century trade wars** (#5360)
by **Balistreri, Edward J.** and Russell Hillberry

WEDNESDAY, JUNE 7

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Time	Event	Location
2:00-4:00pm (14:00-16:00)	Session #13	STEW 279
	<p><i>"Climate Change Policy"</i> Chair: Aziz Elbehri</p> <ul style="list-style-type: none"> - <u>Modeling emission reductions and forest carbon sequestration in GTAP: Data Base and model improvements</u> (#5366) by Pena Levano, Luis Moises, Farzad Taheripour and Wally Tyner - <u>Bioenergy with carbon capture and storage: key issues and major challenges</u> (#5361) by Nicolas, Claire, Y.-H. Henry Chen, Sergey Paltsev, Jennifer Morris and Niven Winchester - <u>Impacts of Costs of Advanced Technologies and Carbon Tax Rates on Revenue</u> (#5381) by Yuan, Mei, Gilbert Metcalf, John Reilly and Sergey Paltsev 	
4:00-4:30pm (16:00-16:30)	Coffee Break	STEW 302-306
4:30-6:30pm (16:30-18:30)	Organized Session #14	STEW 202

"Introducing the Ag-Incentives Database"

Organizer: Will Martin

Chair: Frank van Tongeren

- **Policy support to African Agriculture: New trends or business as usual** (#5233)
by **Balié, Jean** and Signe Nelgen
- **Public Expenditures and the Performance of Latin American and Caribbean Agriculture** (#5397)
by Anríquez, Gustavo, William Foster, Jorge Ortega, Cesar Falconi, Carmine Paolo De Salvo and **Sebastien Gachot**
- **The Ag-Incentives Consortium Database** (#5369)
by Tokgoz, Simla, David Laborde, Tess Lallemand, Majeed Fahd and **Will Martin**

WEDNESDAY, JUNE 7

Presentation Schedule

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Time	Event	Location
4:30-6:30pm (16:30-18:30)	Session #15	STEW 206

"Baseline and Economic Development"

Chair: Jean Fouré

- **General Equilibrium in the Long Run: a Tentative Quantification of the SSP scenarios** (#5322)
by Fontagné, Lionel and **Jean Fouré**
- **Modelling the circular economy: designing a global baseline of economic activity and material flows** (#5278)
by **Bibas, Ruben**, Jean Chateau, Rob Dellink and Andrew McCarthy
- **Behavioral Characteristics of Applied General Equilibrium Models with Variable Elasticity of Substitution between Varieties from Different Sources** (#5344)
by Oyamada, Kazuhiko

4:30-6:30pm (16:30-18:30)	Session #16	STEW 214A
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"African Trade Policies"

Chair: Badri Narayanan

- **Lesotho: Trade Policy Options for a Prosperous Future** (#5380)
by **Maliszewska, Maryla**
- **A GTAP model analysis of Ethiopia - COMESA Free Trade Agreement, COMESA Custom Union and European Partnership Agreement** (#5267)
by **Shiferaw, Habtamu**
- **How Do Trade and Domestic Policy Variables Stand among Influencers of Grain Price Volatility in Nigeria?** (#5307)
by **Shittu, Adebayo**, Dare Akerele, Mekbib Haile and Sarah Edewor
- **Impacts of Services Trade Liberalization between the European Union and Africa Caribbean and Pacific Countries: A Dynamic Approach** (#5340)
by **Rakotoarisoa, Manitra A.**

WEDNESDAY, JUNE 7

Presentation Schedule

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Time	Event	Location
4:30-6:30pm (16:30-18:30)	Session #17	STEW 214B

"General Equilibrium Modelling"

Chair: Ken Itakura

- **Gaussian Quadratures vs. Monte Carlo Experiments for Systematic Sensitivity Analysis of Computable General Equilibrium Model Results** (#5243)
by Villoria, Nelson B. and **Paul Preckel**
- **Assessing Long Run Structural Change in Multi-Sector General Equilibrium Models** (#5221)
by **Roson, Roberto** and Dominique van der Mensbrugge
- **GTAPINGAMS: Multiregional and Small Open Economy Models** (#5396)
by Lanz, Bruno and **Thomas Rutherford**

4:30-6:30pm (16:30-18:30)	Session #18	STEW 214CD
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"Economic Growth in Asia"

Chair: Gouranga Das

- **The Macro Impact of Microfinance in Bangladesh: A CGE Analysis** (#5390)
by **Raihan, Selim**, S. R. Osmani and M. A. Baqui Khalily
- **Contribution of insurance on Economic growth in India: An Econometric approach** (#5332)
by **Mall, Sunita**
- **The Implications of Chinas Pattern of Growth For the Rest of the World** (#5293)
by **Tokarick, Stephen**
- **Estimating the Knowledge-Capital Model in a Four-Country Framework: Evidence from Japanese Multinational Firms** (#5350)
by **Uchida, Yoko** and Kazuhiko Oyamada

WEDNESDAY, JUNE 7

Presentation Schedule

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Time	Event	Location
4:30-6:30pm (16:30-18:30)	Session #19 <i>"Economic Crisis Assessments"</i> Chair: Lucas Ferraz <ul style="list-style-type: none"> - <u>Using a regional CGE model for rapid assessments of the economic implications of terrorism</u> (#5219) by Rimmer, Maureen, Peter Dixon, Michael Jerie and Glyn Wittwer - <u>Gold and Stock Prices- A Tale of two Crises in the United States</u> (#5304) by Bhanja, Niyati - <u>The Plunge in Oil Prices: Sectoral and Employment Dynamics in Colombia</u> (#5347) by Arguello, Ricardo 	STEW 278
4:30-6:30pm (16:30-18:30)	Session #20 <i>"Climate Change Policy and Impacts"</i> Chair: Uris Lantz Baldos <ul style="list-style-type: none"> - <u>Transparency in the Paris Agreement</u> (#5211) by Jacoby, Henry D., Y.-H. Henry Chen and Brian Flannery - <u>The global Paris Agreement: consequences for local outdoor air pollution</u> (#5237) by Vandyck, Toon, Bert Saveyn, Kimon Keramidas, Alban Kitous, Rita Van Dingenen, Joe Spadaro and Mike Holland - <u>Interactions in the economic consequences of climate change and air pollution</u> (#5271) by Dellink, Rob and Elisa Lanzi - <u>Endogenous technical change linked to international mobility of primary factors in climate change scenarios: global welfare implications using the GTAP model</u> (#5208) by Standardi, Gabriele 	STEW 279
6:30-8:30pm (18:30-20:30)	Reception	PMU South Ballroom

THURSDAY, JUNE 8
Session Overview

Session details for this day are listed on pages 26-36. You can also access the conference schedule through the **Whova** mobile app. See page 3 for details.

	STEW Fowler Hall	STEW 202	STEW 206	STEW 214A	STEW 214B	STEW 214CD	STEW 278	STEW 279
9:00-10:00am	Plenary Session <i>Competitive Effects of Trade: Theory and Measurement</i> Pg. 26							
10:30am-12:30pm		*Session #21 <i>How taking into account climate change can help Africa to pursue better trade policies, with a focus on food security</i> Pg. 26	*Session #22 <i>BREXIT - New (New) Trade and the Cost of Brexit</i> Pg. 27	Session #23 <i>Health-related Modelling</i> Pg. 27		Session #24 <i>Cropland Usage and Production</i> Pg. 28	*Session #25 <i>Developing an analytical database for global trade analysis: history, current state, and future developments</i> Pg. 28	Session #26 <i>Infrastructure and Transportation Analysis</i> Pg. 29
1:30-2:30pm (13:30-14:30)	Plenary Session <i>Looking Forward: The Megatrends that will shape our world</i> Pg. 29							
3:00-4:30pm (15:00-16:30)		*Session #27 <i>Recent developments in services trade modelling</i> Pg. 30	Session #28 <i>Analysis of Trade Agreements</i> Pg. 30	*Session #29 <i>Student Panel: CGE Analyses of Current Economic Issues</i> Pg. 31		Session #30 <i>Food Prices and Security</i> Pg. 31	Session #31 <i>Labor Market Issues</i> Pg. 32	Session #32 <i>Land Use and Deforestation in Brazil</i> Pg. 32
5:00-6:30pm (17:00-18:30)		*Session #33 <i>Is splendid isolation an option? Adjustment costs of free trade and technological progress</i> Pg. 33	Session #34 <i>US Migration and Immigration Policy</i> Pg. 33	Session #35 <i>Agricultural Policies and Poverty Analysis</i> Pg. 34		*Session #36 <i>Interventions to Improve Sustainable Water Use: Methods and Applications</i> Pg. 34	Session #37 <i>Impacts of the Paris Agreement</i> Pg. 35	*Session #38 <i>Telecoupled Human and Natural Systems: Theory and Application to the International Food Trade</i> Pg. 35

*Organized Session

THURSDAY, JUNE 8

Plenary Sessions: “Looking Ahead: Future Challenges for Global Economic Analysis”

“Competitive Effects of Trade: Theory and Measurement”

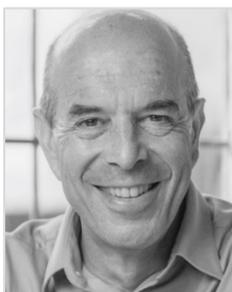


Marc Melitz

David A. Wells Professor of Political Economy
Harvard University
<http://scholar.harvard.edu/melitz>

Marc Melitz is the David A. Wells Professor of Political Economy at Harvard University. He holds a B.A. from Haverford College (1989), an M.S.B.A. from the Robert Smith School of Business (1992), and a Ph.D. from the University of Michigan (2000). He is a fellow of the Econometric Society and is affiliated with the National Bureau of Economic Research (NBER), the Centre for Economic Policy Research (CEPR), CESifo, and the Kiel Institute for the World Economy. His broad research interests are in international trade and investment. More specifically, he studies producer-level responses to globalization and their implications for aggregate trade and investment patterns. His research has been funded by the Sloan Foundation and by the NSF.

“Looking Forward: The Megatrends that will shape our world”



Ian Goldin

Professor of Globalisation and Development, University of Oxford
Senior Fellow, Oxford Martin School
<https://iangoldin.org/>

Ian Goldin was the founding Director of the Oxford Martin School from September 2006-September 2016. He is currently Oxford University Professor of Globalisation and Development and a Senior Fellow at the Oxford Martin School, and a Professorial Fellow at the University's Balliol College. During his decade as Director, the School established 45 programmes of research, bringing together more than 500 academics from across Oxford, from over 100 disciplines, and becoming the world's leading centre for interdisciplinary research into critical global challenges. Goldin initiated and was Vice-Chair of the Oxford Martin Commission for Future Generations, which brought together 19 international leaders from government, business, academia, media and civil society to address the growing short-term preoccupations of modern politics and business, and identify ways of overcoming today's gridlock in key international negotiations. The Commission's report, *Now for the Long Term*, was published in October 2013. From 2003-2006 he was Vice President of the World Bank, and prior to that the Bank's Director of Development Policy (2001-2003). He served on the Bank's senior management team and led the Bank's collaboration with the United Nations and other partners as well as with key countries. As Director of Development Policy, he played a pivotal role in the research and strategy agenda of the Bank. From 1996-2001 he was Chief Executive and Managing Director of the Development Bank of Southern Africa and served as an advisor to President Nelson Mandela. He succeeded in transforming the Bank to become the leading agent of development in the 14 countries of Southern Africa. During this period, Goldin served on several Government committees and Boards, and was Finance Director for South Africa's Olympic Bid. Previously, Goldin was Principal Economist at the European Bank for Reconstruction and Development (EBRD) in London, and Program Director at the OECD Development Centre in Paris, where he directed the Programs on Trade, Environment and Sustainable Development. He has a BA (Hons) and a BSc from the University of Cape Town, an MSc from the London School of Economics, and an MA and Doctorate from the University of Oxford. Goldin has received wide recognition for his contributions to development and research, including having been knighted by the French Government and nominated Global Leader of Tomorrow by the World Economic Forum. He has published over 50 articles and 20 books, including *Divided Nations: Why global governance is failing and what we can do about it*, (Oxford University Press, 2013), *The Butterfly Defect: How globalization creates systemic risks, and what to do about it* (Princeton University Press, 2014) and an edited volume, *Is the Planet Full?* (Oxford University Press, 2014). His latest books are *The Pursuit of Development: Economic Growth, Social Change and Ideas* (Oxford University Press, 2016) and *Age of Discovery: Navigating the Risks and Rewards of Our New Renaissance* (Bloomsbury and St Martin's Press, 2016).

THURSDAY, JUNE 8
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Time	Event	Location
8:00am-5:00pm (8:00-17:00)	Onsite Registration	STEW East Foyer
9:00-10:00am	Plenary Session	STEW Fowler Hall
	<p><i>"Looking Ahead: Future Challenges for Global Economic Analysis"</i> Chair: Russell Hillberry</p> <ul style="list-style-type: none"> - Competitive Effects of Trade: Theory and Measurement by Melitz, Marc 	
10:00-10:30am	Coffee Break	STEW 302-306
10:30am-12:30pm	Organized Session #21	STEW 202

"How taking into account climate change can help Africa to pursue better trade policies, with a focus on food security"

Organizers: African Trade Policy Centre and African Climate Policy Centre, UN Economic Commission for Africa

Chair: Simon Mevel

- **Attaining food and environmental security in an era of globalization** (#5399)
 by **Hertel, Thomas** and Uris Lantz Baldos
- **Improving the resilience of African Countries to Food Shocks** (#5259)
 by **Puma, Michael**, Roland Maio and Mark Tadross
- **Climate Change, Agricultural Production and Trade in Africa** (#5209)
 by **Hailemariam, Yodit Balcha** and Jamie Macleod

THURSDAY, JUNE 8

Presentation Schedule

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Time	Event	Location
10:30am-12:30pm	Organized Session #22	STEW 206

"BREXIT - New (New) Trade and the Cost of Brexit"

Organizers: Christoph Böhringer and Thomas Rutherford

Chair: Thomas Rutherford

- **Costs and benefits of a United Kingdom exit from the European Union (#5400)**
by Aichele, Rahel and **Gabriel Felbermayr**
- **The Costs and Benefits of Leaving the EU: Trade Effects (#5395)**
by **Pessoa, Joao Paulo**, Hanwei Huang, John Van Reenen, Gianmarco Ottaviano, Thomas Sampson and Swati Dhingra
- **Brexit - an economy-wide Impact Assessment looking into trade, immigration, and Foreign Direct Investment (#5214)**
by **Jafari, Yaghoob** and Wolfgang Britz

10:30am-12:30pm	Session #23	STEW 214A
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"Health-related Modelling"

Chair: Shantong Li

- **The Importance of Periodicity in Modelling Infectious Disease Outbreaks (#5268)**
by Verikios, George
- **Assessing the Global Macroeconomic Economic Effects of Antimicrobial Resistance (AMR) (#5263)**
by Ahmed, S. Amer, Enis Baris, Delfin S Go, Hans Lofgren, Israel Osorio Rodarte and **Karen Thierfelder**
- **A cost-benefit analysis on Tobacco Control in China (#5312)**
by **He, Jianwu**, Shantong Li, Ying Gao, Xiulang Zhang and Lingxiu Zhu
- **Palm oil production and health spillover effects among South, South East and East Asian nations: A fully integrated regional Macroeconomic-Environmental-Demographic-health model (#5405)**
by **Jensen, Henning Tarp**, Marcus Keogh-Brown, Richard D Smith, Sanjay Basu, Soledad Cuevas, Alan Dangour, Shabbir H Gheewala, Rosemary Green, Edward Joy, Nalitra Thaiprasert and Bhavani Shankar

THURSDAY, JUNE 8

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Time	Event	Location
10:30am-12:30pm	Session #24	STEW 214CD

"Cropland Usage and Production"

Chair: Glyn Wittwer

- **Climate change, adaptation in agriculture and poverty in Nepal: A computable general equilibrium analysis** (#5232)
by ***Chalise, Sudarshan**, Athula Naranpanawa and Jayatilleke Bandara
**Ken Pearson Travel Funds Recipient*
- **Crop production, cropland use, harvest frequency, and land intensification in economic models** (#5328)
by **Taheripour, Farzad**, Wally Tyner and Uris Lantz Baldos
- **Does Technological Progress in Agriculture Reduce Cropland Expansion? An Empirical Investigation Accounting for International Spillovers** (#5261)
by **Villoria, Nelson B.**
- **Higher CO2 concentrations impacts over global crop production and irrigation water requirements** (#5327)
by **Nechifor, Victor** and Matthew Winning

10:30am-12:30pm	Organized Session #25	STEW 278
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"Developing an analytical database for global trade analysis: history, current state, and future developments"

Organizer: Angel Aguiar

Chair: Robert McDougall

- **Improving the European Union's Input-Output Database for Global Trade Analysis (EU-GTAP)** (#5238)
by Rueda-Cantucho, Jose Manuel, Tamas Revesz, Antonio F. Amores, Marian Mraz, Emanuele Ferrari, Alfredo Mainar, Leticia Montinari and **Bert Saveyn**
- **Methodological Options for Preparing Merchandise Trade in the GTAP Data Base: Lessons from Past Experiences and Current Approach** (#5371)
by **Gehlhar, Mark**
- **MAcMap data base: recent developments and future perspectives** (#5258)
by Pichot, Xavier, **Mondher Mimouni**, Dzmitry Kniahin and Antonia Ngavozafy
- **Estimation of home bias data base for Public Procurement Analysis** (#5281)
by **Aguiar, Angel**

THURSDAY, JUNE 8

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Time	Event	Location
10:30am-12:30pm	Session #26	STEW 279
<p><i>"Infrastructure and Transportation Analysis"</i> Chair: Hans van Meijl</p> <ul style="list-style-type: none"> - <u>Build Today, Regret Tomorrow? Infrastructure and Climate Policy</u> (#5245) by Baldwin, Elizabeth, Yongyang Cai and Karlygash Kuralbayeva - <u>Assessments of Alternative Funding Options for Road Infrastructure Investment</u> (#5279) by Han, Sang-Hee - <u>Market Potential of Alternative Fuel Technology Vehicles to Mitigate Climate Change</u> (#5375) by Cai, Yongxia and Robert Beach - <u>Macro-economic effects of governmental policies to stimulate biofuels use in aviation</u> (#5402) by Smeets, Edward, Heleen Bartelings, Hans van Meijl, Andre van Velzen, Anouk van Grinsven and Jasper Faber 		
12:30-1:30pm (12:30-13:30)	Lunch	PMU South Ballroom
1:30-2:30pm (13:30-14:30)	Plenary Session	STEW Fowler Hall
<p><i>"Looking Ahead: Future Challenges for Global Economic Analysis"</i> Chair: Rob Dellink</p> <ul style="list-style-type: none"> - Looking Forward: The Megatrends that will shape our world by Goldin, Ian 		
2:30-3:00pm (14:30-15:00)	Transition Break (<i>no food or beverage served</i>)	

THURSDAY, JUNE 8

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 parallel session presentations 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/2017/

Time	Event	Location
3:00-4:30pm (15:00-16:30)	Organized Session #27	STEW 202

"Recent developments in services trade modelling"

Organizer: Lucian Cernat

Chair: Alessandro Antimiani

- **Modeling Trade in Services: Multiple Modes, Barriers to Trade, and Data Limitations** (#5194)
by **Barbe, Andre**, **Art Chambers**, Tamar Khachaturian and David Riker
- **Trading Firms and Trading Costs in Services: Firm-Level Analysis** (#5276)
by Rouzet, Dorothée, **Francesca Spinelli** and Sebastian Benz
- **Liberalizing global trade in Mode 5 services: how much is worth?** (#5398)
by **Antimiani, Alessandro** and Lucian Cernat

3:00-4:30pm (15:00-16:30)	Session #28	STEW 206
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"Analysis of Trade Agreements"

Chair: David Tarr

- **Ponder the Differences between the Trade Specifications in a CGE Model: the AKME module and Import Sourcing** (#5388)
by **Itakura, Ken** and Kazuhiko Oyamada
- **Potential Costs of U.S. Withdrawal from the Trans-Pacific Partnership** (#5305)
by **Lee, Hiro** and Ken Itakura
- **The impact of Market Structure on the assessment of the gains from the Trans Pacific Partnership in a Developing Country** (#5325)
by Balistreri, Edward J. and **David G. Tarr**

THURSDAY, JUNE 8

Presentation Schedule

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Looking for a paper?

Search by ID# at: www.gtap.agecon.purdue.edu/events/conferences/2017/

Time	Event	Location
3:00-4:30pm (15:00-16:30)	Organized Session #29	STEW 214A
<p><i>"Student Panel: CGE Analyses of Current Economic Issues"</i> Organizer/Chair: Mary Burfisher</p> <p><i>Presentations in this session are allotted 15 minutes - 10 for presentation, immediately followed by 5 for discussion.</i></p> <ul style="list-style-type: none"> - <u>A first quantitative approach to a hard and soft future with Brexit and Trump's politics</u> (#5226) by Ortiz Valverde, Gabriela and María C. Latorre - <u>Quantifying Climate Change Impacts on Migration and Food Security: CGE Analyses for the World's 103 Regions under the 2oC scenario</u> (#5379) by Ishinabe, Nagisa - <u>How Will Women Empowerment Help Achieve Food Security Towards 2050?</u> (#5262) by Vielma Delano, Sofia Katherina - <u>IT-BPO in the Philippines: A Study of Policy Adjustments Using A CGE Model</u> (#5280) by Derweesh, Zayd - <u>Good Intentions Aren't Created Equal: A General Equilibrium Analysis of Food Aid Policies in Ethiopia</u> (#5222) by Spencer, Jennifer 		
3:00-4:30pm (15:00-16:30)	Session #30	STEW 214CD

"Food Prices and Security"

Chair: Brent Sohngen

- **Food and environmental security in 2050: An application of gridded agricultural economic modelling** (#5373)
by **Baldos, Uris Lantz**
- **Scenarios of Global Diets and the Impact on Land Resources** (#5365)
by **Sands, Ronald**

THURSDAY, JUNE 8
Presentation Schedule

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Looking for a paper?

Search by ID# at: www.gtap.agecon.purdue.edu/events/conferences/2017/

Time	Event	Location
3:00-4:30pm (15:00-16:30)	Session #31	STEW 278
	<p><i>"Labor Market Issues"</i> Chair: Margaret Chitiga</p> <ul style="list-style-type: none"> - <u>Incorporating seasonality of labour markets in a general equilibrium framework</u> (#5302) by Feuerbacher, Arndt and Harald Grethe - <u>CGE modeling for the economic assessment of mega-events: A tentative cookbook</u> (#5336) by Sartori, Martina 	
3:00-4:30pm (15:00-16:30)	Session #32	STEW 279
	<p><i>"Land Use and Deforestation in Brazil"</i> Chair: Mark Horridge</p> <ul style="list-style-type: none"> - <u>Issues in Land Use Change in Brazil</u> (#5331) by Zanetti De Lima, Cicero and Angelo Gurgel - <u>Biome composition in deforestation deterrence and GHG emissions in Brazil</u> (#5234) by Ferreira-Filho, Joaquim Bento and Mark Horridge - <u>How commodities demand growth can affect the deforestation and the frontier expansion in the Brazilian Amazon region?</u> (#5290) by Sabadini Carvalho, Terciane, Kenia Souza and Edson Domingues 	
4:30-5:00pm (16:30-17:00)	Coffee Break	STEW 302-306

THURSDAY, JUNE 8

Presentation Schedule

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Looking for a paper?

Search by ID# at: www.gtap.agecon.purdue.edu/events/conferences/2017/

Time	Event	Location
5:00-6:30pm (17:00-18:30)	Organized Session #33	STEW 202

"Is splendid isolation an option? Adjustment costs of free trade and technological progress"

Organizers: Alessandro Antimiani and Lucian Cernat

Chair: Alessandro Antimiani

- **International trade: a Kantian point of view** (#5382)
by **Salvatici, Luca** and David Laborde
- **Is There an Economically and Socially Sustainable Solution Space for the 21st Century Economy?**
(#5358)
by Ciuriak, Dan and **Jingliang Xiao**
- **The cost of protectionism: Are consumers willing to pay it?** (#5210)
by **Kutlina-Dimitrova, Zornitsa** and Csilla Lakatos

**Once this session ends please make your way to the Purdue Memorial Union, South Ballroom and have a seat. The President of Purdue University will address the conference promptly at 6:40pm.*

5:00-6:30pm (17:00-18:30)	Session #34	STEW 206
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"US Migration and Immigration Policy"

Chair: Maureen Rimmer

- **Undocumented migration to the US from Mexico: economic structure, policy options, and economy-wide impacts** (#5349)
by Kabir, Kayenat and **Roman Keeney**
- **Immigration reform scenarios for U.S. agriculture** (#5220)
by **Dixon, Peter** and Maureen Rimmer

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THURSDAY, JUNE 8

Presentation Schedule

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Time	Event	Location
5:00-6:30pm (17:00-18:30)	Session #35	STEW 214A

"Agricultural Policies and Poverty Analysis"

Chair: Everett Peterson

- **2030 European agricultural policy: A new CAP at a crossroad between market competitiveness and sustainability** (#5236)
by **Boulanger, Pierre H**, Hasan Dudu, Emanuele Ferrari, Robert M'barek and George Philippidis
- **Modelling Strategic Options for Agricultural Growth and Rural Development in South Africa** (#5404)
by **Chitiga, Margaret**, Ramos Mabugu and Ismael Fofana
- **Integrated CGE-Microsimulation: Quantifying the Cost of Poverty Eradication in Uganda** (#5345)
by **Boysen, Ole**

**Once this session ends please make your way to the Purdue Memorial Union, South Ballroom and have a seat. The President of Purdue University will address the conference promptly at 6:40pm.*

5:00-6:30pm (17:00-18:30)	Organized Session #36	STEW 214CD
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"Interventions to Improve Sustainable Water Use: Methods and Applications"

Organizer: Jing Liu

Chair: Glyn Wittwer

- **Energy-water-land nexus: the roles of climate change policies and adaptation** (#5348)
by **Hejazi, Mohamad**
- **Achieving sustainable irrigation water withdrawals: global impacts on food security and land use** (#5346)
by **Liu, Jing**, Thomas Hertel, Richard Lammers, Alexander Prusevich, Uris Lantz Baldos, Danielle Grogan and Steve Froking
- **Global Economic Response to Water Scarcity** (#5391)
by **Haqiqi, Iman**

**Once this session ends please make your way to the Purdue Memorial Union, South Ballroom and have a seat. The President of Purdue University will address the conference promptly at 6:40pm.*

THURSDAY, JUNE 8

Presentation Schedule

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Looking for a paper?

Search by ID# at: www.gtap.agecon.purdue.edu/events/conferences/2017/

Time	Event	Location
5:00-6:30pm (17:00-18:30)	Session #37	STEW 278

"Impacts of the Paris Agreement"

Chair: Dorothee Flaig

- **Paris After Trump: Carbon Tariffs Reloaded** (#5339)
by **Böhringer, Christoph**, Thomas Fox Rutherford and Joshua Land
- **An Assessment of Turkish Energy Sector Development under the Paris Agreement Goals using a CGE Model with Detailed Representation of Power Sector** (#5300)
by **Kat, Bora**, Sergey Paltsev and Mei Yuan
- **The Impacts of the Brazilian NDC and their contribution to the Paris Agreement on Climate Change** (#5357)
by **Gurgel, Angelo** and Sergey Paltsev

**Once this session ends please make your way to the Purdue Memorial Union, South Ballroom and have a seat. The President of Purdue University will address the conference promptly at 6:40pm.*

5:00-6:30pm (17:00-18:30)	Organized Session #38	STEW 279
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"Telecoupled Human and Natural Systems: Theory and Application to the International Food Trade"

Organizer: Farzad Taheripour

Chair: Jack Liu

- **Global impacts of international food trade on biodiversity: Application of the telecoupling framework** (#5333)
by **Chung, Min Gon** and Jack Liu
- **Modeling telecoupled systems: design for simulating telecoupled soybean trade** (#5224)
by **Dou, Yue**
- **Economic Insights into Telecoupling: Lessons from China's Soybean Boom** (#5334)
by **Yao, Guolin**, Thomas Hertel and Farzad Taheripour

**Once this session ends please make your way to the Purdue Memorial Union, South Ballroom and have a seat. The President of Purdue University will address the conference promptly at 6:40pm.*

THURSDAY, JUNE 8
Presentation Schedule

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Looking for a paper?

Search by ID# at: www.gtap.agecon.purdue.edu/events/conferences/2017/

Time	Event	Location
6:30-9:30pm (18:30-21:30)	Dinner and Awards Ceremony	PMU South Ballroom

Presidential Address (6:40-6:50pm)

- Purdue President Mitchell E. Daniels (*see following page for biography*)

Conference Awards Ceremony

- Conference Travel Funds Recipient Recognition
- 2017 Alan A. Powell Award
- 2017-2020 GTAP Research Fellows

THURSDAY, JUNE 8
Dinner Speaker



Mitchell E. Daniels, Jr.

President
Purdue University
www.purdue.edu/president/

Mitchell E. Daniels, Jr. became the 12th president of Purdue University in January 2013, at the conclusion of his second term as Governor of the State of Indiana.

Purdue Priorities

At Purdue, President Daniels launched a series of initiatives called *Purdue Moves* that provide bold answers to some of the greatest challenges facing higher education today. The four pillars of Purdue Moves — affordability and accessibility, transformative education, world-changing research, and STEM leadership — leverage Purdue’s historic strengths and promote investment in new ideas, guiding the university in its mission to deliver higher education at the highest proven value. Daniels has made student affordability and student success top priorities, pledging to keep a Purdue education within reach for students and families.

Public Service

Daniels came to Purdue University at the conclusion of his term as the 49th Governor of Indiana. He was elected Governor in 2004, in his first bid for any elected office. He was re-elected in 2008, receiving more votes than any candidate for any public office in the state’s history. During his first term, Governor Daniels spearheaded a host of reforms aimed at improving the performance of state government. These changes and a strong emphasis on performance measurement have led to many state agencies, including the Bureau of Motor Vehicles, Department of Child Services and Department of Correction winning national awards. In 2005, he led the state to its first balanced budget in eight years and, without a tax increase, transformed the nearly \$800 million deficit he inherited into an annual surplus of \$370 million within a year. The governor also repaid hundreds of millions of dollars the state had borrowed from Indiana’s public schools, state universities and local units of government in previous administrations, and reduced the state’s overall debt by 40 percent. Governor Daniels left Indiana with a budget in surplus, reserve funds equal to nearly 15 percent of annual spending, and its first AAA credit rating.

Business Leadership

President Daniels also comes from a successful career in business, holding numerous top management positions. From 1987-1990, Daniels served as the CEO of the Hudson Institute. In 1990, he accepted a position at Eli Lilly and Company, the largest corporation headquartered in Indiana at that time, and eventually held the role of president of the company’s North American Pharmaceutical Operations. Daniels also serves on the corporate boards of Cerner Corporation and Interactive Intelligence.

Civic Engagement

In February 2013, Daniels was asked to co-chair the National Research Council’s Committee on Human Spaceflight, which reviewed the state of the U.S. human spaceflight program. The 18-month appointment culminated in June 2014 with the submission of a report that is helping to guide the sustainable future of the United States’ human spaceflight program. Daniels also co-chaired the Council on Foreign Relations’ 2014 taskforce on non-communicable diseases, which examined the challenges of treating these diseases in low- and middle-income countries, and the selection committee for the Aspen Institute’s 2015 Aspen Prize for community college excellence. He currently serves as a co-chair of the Committee for a Responsible Federal Budget and, with U.S. Senator Mark Warner, he co-chairs the Aspen Institute’s Future of Work Initiative, a yearlong non-partisan effort to identify ways to strengthen America’s 21st-century workforce. Daniels is also a board member of numerous non-profit organizations, including the Urban Institute and the American Academy of Arts & Sciences’ Commission on Post-Secondary Education.

Awards and Accolades

In recognition of his leadership both as Governor and as president of Purdue University, Fortune Magazine named President Daniels to its list of the top 50 world leaders in March 2015. In June 2016, he was named a Living Legend by the Indiana Historical Society. Many other organizations have also recognized his leadership. In 2008, Governing magazine named him Public Official of the Year. In October 2010, Daniels received The Woodrow Wilson National Fellowship Foundation’s inaugural Medal for Distinguished Service to Education for his efforts to reform education. In January 2011, he was one of three recipients selected to receive the first-ever Fiscy Award, presented for leadership and commitment to responsible financial stewardship by the non-partisan Fiscy Awards Committee. In May 2012, the Manhattan Institute presented the governor with its Alexander Hamilton Award for his achievements in state government; including healthcare improvements, landmark education reforms and fiscal responsibility. Daniels, who is also the author of the best-selling book "Keeping the Republic: Saving America by Trusting Americans," earned a bachelor’s degree from the Woodrow Wilson School of Public and International Affairs at Princeton University in 1971, and his law degree from Georgetown University in 1979.

FRIDAY, JUNE 9
Session Overview

Session details for this day are listed on pages 40-46. You can also access the conference schedule through the **WhoVa** mobile app. See page 3 for details.

	STEW Fowler Hall	STEW 202	STEW 206	STEW 214A	STEW 214B	STEW 214CD	STEW 278	STEW 279
9:00-11:00am		*Session #39 <i>The effect of trade and trade policy on U.S. labor market under different assumptions and specifications about labor</i> Pg. 40	Session #40 <i>Bioenergy and Land Use</i> Pg. 40	Session #41 <i>Tax and Financial Policy Analysis</i> Pg. 41	Session #42 <i>GTAP Data Base and Modelling Tools</i> Pg. 41	*Session #43 <i>BREXIT - Economic Impacts for the UK and Beyond</i> Pg. 42	*Session #44 <i>China's Economic Trends: Impact of Recent Policy Change</i> Pg. 42	Session #45 <i>Climate Impacts</i> Pg. 43
11:30am-1:30pm (11:30-13:30)		*Session #46 <i>Income distribution in models and databases for general equilibrium analysis</i> Pg. 43	Session #47 <i>Bioenergy</i> Pg. 44	Session #48 <i>Climate Change</i> Pg. 44		*Session #49 <i>International Trade in Services: from Better Statistics to Better CGE Modelling</i> Pg. 45	Session #50 <i>Economic Growth through Technological Change</i> Pg. 45	Session #51 <i>Regional Policy Analysis</i> Pg. 46
2:30-3:30pm (14:30-15:30)	Plenary Session <i>Task Utilization in Producing Economics: the Role of GTAP in an Increasingly Complex Research Landscape</i> Pg. 46							
3:30-4:00pm (15:30-16:00)	Closing Ceremony Pg. 46							

*Organized Session

FRIDAY, JUNE 9

Plenary Session: “Looking Ahead: Future Challenges for Global Economic Analysis”

“Task Utilization in Producing Economics: the Role of GTAP in an Increasingly Complex Research Landscape”



David Hummels

Dean and Professor of Economics
Purdue University

<http://www.krannert.purdue.edu/faculty/hummels/>

David Hummels began serving as the Dean of the Krannert School of Management in 2015.

In his faculty life, Professor Hummels teaches courses in International Economics, and has won multiple teaching awards at the graduate and undergraduate level. His research focuses on a broad range of issues in international trade, including offshoring, product differentiation, barriers to trade and the broader impacts of aviation, infrastructure, and trade facilitation on trade and economic development. He has

published 4 books and over 40 research articles in major economic journals including American Economic Review, Journal of Political Economy, Quarterly Journal of Economics, Review of Economics and Statistics, the Journal of International Economics, and the Journal of Economic Perspectives.

Professor Hummels is a Research Associate of the National Bureau of Economic Research, an Associate Editor of the Journal of International Economics, and an Associate Director of the Forum for Research on Empirical International Trade. He has worked as a consultant for and visiting scholar at a wide variety of central banks, development banks and policy institutes around the world. He previously served on the faculty of the University of Chicago's Booth School of Business.

FRIDAY, JUNE 9

Presentation Schedule

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Looking for a paper?

Search by ID# at: www.gtap.agecon.purdue.edu/events/conferences/2017/

Time	Event	Location
8:00am-4:00pm (8:00-16:00)	Onsite Registration	STEW East Foyer
9:00-11:00am	Organized Session #39	STEW 202

"The effect of trade and trade policy on U.S. labor market under different assumptions and specifications about labor"

Organizer: Marinos Tsigas

Chair/Discussant: Kenichi Kawasaki

- **U.S. labor adjustments to trade shocks** (#5372)
by **Tsigas, Marinos**
- **Disentangling Distributional Effects of Trade: Incorporating U.S. Occupational and Household Statistics into an MRIO Framework** (#5352)
by **Carrico, Caitlyn**
- **Does the Labor Composition of Fixed Business Costs Matter?** (#5370)
by **Akgul, Zeynep**, Caitlyn Carrico and Marinos Tsigas

9:00-11:00am	Session #40	STEW 206
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"Bioenergy and Land Use"

Chair: Angelo Gurgel

- **Biomass Co-Firing Potential and Land Use Changes: A General Equilibrium Study in the United States** (#5295)
by **Sun, Shanxia**, Thomas Hertel, Mort Webster, Uris Lantz Baldos and Jing Liu
- **The Impact of Oil Prices on Bioenergy, Emissions and Land Use** (#5218)
by **Winchester, Niven** and Kirby Ledvina
- **Modeling land physically in CGE models: new insights on intensive and extensive margins** (#5291)
by **Zhao, Xin**, Dominique van der Mensbrugge and Wally Tyner
- **Potential Global Economic Impact of OPEC's Oil Production Freeze** (#5378)
by **Wadhwa, Deepika**, Badri Narayanan, Zekarias Hussein and Muhammad Aamir Khan

FRIDAY, JUNE 9

Presentation Schedule

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Looking for a paper?

Search by ID# at: www.gtap.agecon.purdue.edu/events/conferences/2017/

Time	Event	Location
9:00-11:00am	Session #41	STEW 214A

"Tax and Financial Policy Analysis"

Chair: Karen Thierfelder

- **The impact of a cut to company tax in Australia** (#5387)
by **Dixon, Janine** and Jason Nassios
- **Comparing the impacts of financial regulation in Australia and the United States using country-specific financial CGE models** (#5254)
by **Nassios, Jason**, James Giesecke, Peter Dixon and Maureen Rimmer
- **Modeling the Effects of Border Tax Adjustments on Trade and Current Account Balances** (#5406)
by **Laborde, David** and Will Martin
- **Taxes, Prices, and the Exchange Rate in the Destination-Based Cash-Flow Tax (DBCFT) System** (#5272)
by **Robinson, Sherman** and Karen Thierfelder

9:00-11:00am	Session #42	STEW 214B
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"GTAP Data Base and Modelling Tools"

Chair: Mark Gehlhar

- **Incorporating Domestic Trade and Transport Margins in the GTAP Data Base and model** (#5317)
by **Corong, Erwin**
- **Disaggregating the United States GTAP region into 51 US-state subregions** (#5283)
by **Countryman, Amanda M. (Leister)**, Joseph Francois and Hugo Rojas-Romagosa
- **An integrated tool for GVCs analysis through the GTAP model** (#5323)
by Antimiani, Alessandro, **Iaria Fusacchia** and Luca Salvatici
- **CGEBox: A flexible, modular and extendable framework for CGE analysis in GAMS** (#5192)
by **Britz, Wolfgang**

FRIDAY, JUNE 9

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Looking for a paper?

Search by ID# at: www.gtap.agecon.purdue.edu/events/conferences/2017/

Time	Event	Location
9:00-11:00am	Organized Session #43	STEW 214CD

"BREXIT - Economic Impacts for the UK and Beyond"

Organizers: Christoph Böhringer and Thomas Rutherford

Chair: Gabriel Felbermayr

- **Sectoral and regional distribution of export shocks: What do a hundred thousand UK firm observations say? (#5239)**
by **Kierzenkowski, Rafal**
- **The UK after the Referendum: Renegotiating Tariffs and Beyond (#5256)**
by **Freund, Florian**, Janine Pelikan, Petra Salamon, Frank Offermann and Martin Banse
- **Brexit: Implications for agricultural exporters (#5270)**
by **Vanzetti, David**

9:00-11:00am	Organized Session #44	STEW 278
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"China's Economic Trends: Impact of Recent Policy Change"

Organizer: Yaxiong Zhang

Chair: Jingliang Xiao

- **Impact on China of incoming Trump Policy- an application of dynamic GTAP Model (#5338)**
by Li, Jifeng, Yaxiong Zhang and **Jingliang Xiao**
- **Research on Division of Labor of China's Domestic Value Chain from the Perspective of Global Value Chain (#5274)**
by **Li, Shantong** and Jianwu He
- **Economic implications of relaxation of China's one-child policy -a dynamic general equilibrium analysis (#5343)**
by **Peng, Xiujian** and Wei Chen

FRIDAY, JUNE 9

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Search by ID# at: www.gtap.agecon.purdue.edu/events/conferences/2017/

Time	Event	Location
9:00-11:00am	Session #45	STEW 279
<p><i>"Climate Impacts"</i> Chair: Angel Aguiar</p> <ul style="list-style-type: none"> - <u>Modelling Planned Adaptation for Coastal Zone Protection in a General Equilibrium Framework (#5228)</u> by Parrado, Ramiro, Francesco Bosello, Elisa Delpiazzo, Sally Brown, Jochen Hinkel and Daniel Lincke - <u>Health-motivated taxes on red and processed meat: a modelling study on optimal tax levels and health and climate-change co-benefits (#5407)</u> by Springmann, Marco, Daniel Mason-D'Croz, Sherman Robinson, Keith Wiebe, Charles Godfray, Mike Rayner and Peter Scarborough - <u>Effects of a Melting Arctic on Risk of Invasive Species Spread (#5310)</u> by Nong, Duy, Travis Warziniack and Amanda M. (Leister) Countryman - <u>Effects of Salinity Intrusion due to sea level rise: An economic insight of multiregional CGE model for Bangladesh (#5311)</u> by Paul, Sudeshna 		
11:00-11:30am	Coffee Break	STEW 302-306
11:30am-1:30pm (11:30-13:30)	Organized Session #46	STEW 202

"Income distribution in models and databases for general equilibrium analysis"

Organizer: Hans Lofgren

Chair: Sherman Robinson

- **How Many Households Does a CGE Model Need and How Should They Be Disaggregated? (#5308)**
by **Cicowiez, Martin**, Hans Lofgren and Pamela Escobar
- **Distributing Incomes Between Representative Households In Dynamic CGE Models: Empirical Tests of Alternative Structures (#5315)**
by **Lofgren, Hans**, Martin Cicowiez and Sherman Robinson
- **Distributional Effects of Public Investments in Rural Mozambique (#5374)**
by **Benfica, Rui**, Benedito Cunguara and **James Thurlow**

FRIDAY, JUNE 9

Presentation Schedule

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Time	Event	Location
11:30am-1:30pm (11:30-13:30)	Session #47	STEW 206
<i>"Bioenergy"</i>		
Chair: Wolfgang Britz		
<ul style="list-style-type: none"> - <u>Use of General Equilibrium Models in Evaluating Biofuels Policies</u> (#5242) by Sajedinia, Ehsanreza and Wally Tyner - <u>In the Loop - A CGE Analysis of Circular Economy in Finland</u> (#5326) by Honkatukia, Juha - <u>Modeling Land Intensification Response in GTAP: Implications for Biofuels Induced Land Use Change</u> (#5287) by Cui, Hao (David) - <u>Higher income and higher prices: the role of demand specifications and elasticities of livestock products for global land use</u> (#5265) by Schuenemann, Franziska and Ruth Delzeit 		
11:30am-1:30pm (11:30-13:30)	Session #48	STEW 214A

"Climate Change"

Chair: Ronald Sands

- **The Economic Projection and Policy Analysis Model for Taiwan: A Global Computable General Equilibrium Analysis** (#5250)
by Chai, Hui-Chih, Wei-Hong Hong and Y.-H. Henry Chen
- **Global Energy Subsidies Reform: Inclusive Approaches to Welfare Assessment** (#5299)
by Chepeliev, Maksym and Dominique van der Mensbrugge

FRIDAY, JUNE 9

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 parallel session presentations are allotted 30 minutes - 20 for presentation, immediately followed by 10 for discussion.



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Search by ID# at: www.gtap.agecon.purdue.edu/events/conferences/2017/

Time	Event	Location
11:30am-1:30pm (11:30-13:30)	Organized Session #49	STEW 214CD

"International Trade in Services: from Better Statistics to Better CGE Modelling"

Organizers: Andreas Maurer and Lucian Cernat

Chair: Andreas Maurer

- **The OECD-WTO Balanced Trade in Services Database (#5217)**
by Fortanier, Fabienne, **Antonella Liberatore**, Andreas Maurer and Laura Thomson
- **Towards a Global Data Set on Trade in Services By Sector and Mode of Supply (#5255)**
by **Maurer, Andreas**, Lucian Cernat, Barbara d'Andrea, Antonella Liberatore, Alessandra Tucci and Steen Wettstein
- **BEA's Initiative to Expand and Reconcile Trade in Services Statistics: New Detail for Improved Analysis (#5235)**
by Fetzer, James, Raymond Mataloni and **Sarahelen Thompson**

11:30am-1:30pm (11:30-13:30)	Session #50	STEW 278
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"Economic Growth through Technological Change"

Chair: Zeynep Akgul

- **Productivity Spillovers and Absorptive Capacity: An analysis in a Heterogeneous firm CGE model. (#5319)**
by **Das, Gouranga**, Zeynep Akgul and Badri Narayanan
- **Is Japanese economic growth possible under a decrease in population? : Policy implication of dynamic spatial CGE model with endogenous growth mechanism (#5275)**
by **Kunimitsu, Yoji**
- **Developing long-run agricultural R&D policy in the face of uncertain economic growth (#5288)**
by Cai, Yongyang, **Alla Golub** and Thomas Hertel
- **The Impact of the Libya Crisis on the Tunisian Economy (#5269)**
by **Chemingui, Mohamed Abdelbasset**

FRIDAY, JUNE 9
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Time	Event	Location
11:30am-1:30pm (11:30-13:30)	Session #51	STEW 279
	<p><i>"Regional Policy Analysis"</i> Chair: Selim Raihan</p> <ul style="list-style-type: none"> - <u>Economic Consequences of Trump's Proposed Policies</u> (#5249) by Creteigny, Laurent - <u>Impacts of Import Tariff Reforms on Mongolia's Economy: CGE Analysis with the GTAP 8.1 Data Base</u> (#5179) by Shagdar, Enkhbayar and Otgonsaikhan Nyamdaa - <u>Analysis of Fiscal Policy Reform in Senegal: A CGE Analysis</u> (#5389) by Boulanger, Pierre H, Hasan Dudu, Emanuele Ferrari and Alfredo Mainar - <u>Trade policy in a sovereign Palestinian State: what are the options in a final settlement?</u> (#5289) by Agbahey, Johanes, Khalid Siddig, Harald Grethe and Jonas Luckmann 	
1:30-2:30pm (13:30-14:30)	Lunch	PMU South Ballroom
2:30-3:30pm (14:30-15:30)	Plenary Session	STEW Fowler Hall
	<p><i>"Looking Ahead: Future Challenges for Global Economic Analysis"</i> Chair: Joseph Francois</p> <ul style="list-style-type: none"> - Task Utilization in Producing Economics: the Role of GTAP in an Increasingly Complex Research Landscape by Hummels, David 	
3:30-4:00pm (15:30-16:00)	Closing Ceremony	STEW Fowler Hall
	<ul style="list-style-type: none"> - 2018 Conference Preview by van der Mensbrughe, Dominique 	

SATURDAY, JUNE 10
Post-Conference Event

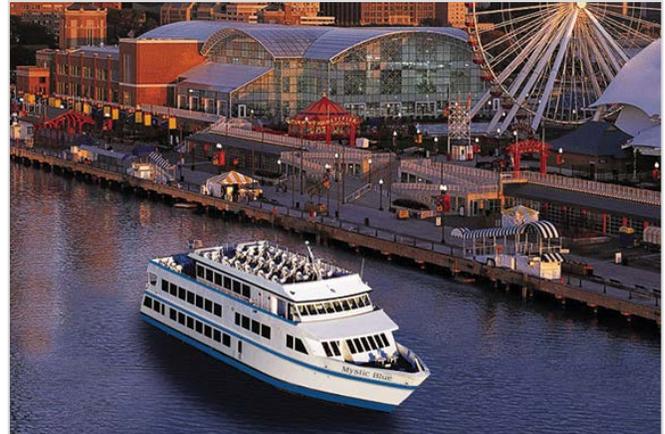
Chicago Skyline Lunch Cruise

A day-trip has been arranged for those interested in taking a casual lunch cruise with some of the best views of the Chicago skyline.

Those individuals who registered and paid to participate in this event should make note of the schedule below.

Weather

Chicago temperatures in June can range from morning lows near 55°F (13 C) to afternoon highs near 83°F (28 C). Rain is also always a possibility. A private indoor deck on the Mystic Blue Cruise has been reserved, so this trip will take place rain or shine.



What to Bring

Casual clothing is acceptable for the lunch cruise. Indoor and outdoor spaces will be available; therefore, sunglasses or a hat and sunscreen may be needed. It is also recommended that participants bring a camera to take photos during the cruise. Should participants wish to purchase alcoholic beverages from the bar, cash/credit card and a photo ID with date of birth will be required.

Schedule

Time	Details
9:00am EST	Depart West Lafayette for Chicago <i>The bus will depart from the Purdue Memorial Union, 101 North Grant Street, West Lafayette, IN.</i>
12:00pm CST	Cruise Boarding <i>The Mystic Blue Cruise departs from Navy Pier, 600 East Grand Avenue, Chicago, IL.</i>
12:30-2:30pm CST (12:30-14:30)	Lunch Cruise
2:30-3:00 CST (14:30-15:00)	Depart Chicago for West Lafayette <i>The bus will depart from Navy Pier, 600 East Grand Avenue, Chicago, IL.</i>
7:00pm EST (19:00)	Arrive West Lafayette <i>The bus will return participants to the Purdue Memorial Union following the trip.</i>

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21st Annual Conference on Global Economic Analysis

Cartagena de Indias Convention Center
Cartagena, Colombia | June 13-15, 2018



Objective

The objective of the annual conference on economic analysis is to promote the exchange of ideas among economists conducting quantitative analysis of global economic issues. Particular emphasis will be placed on applied general equilibrium methods, data, and application. Related theoretical and applied work is also welcome.

Abstract / Session Proposal Submission

Abstracts and organized session proposals will be accepted on the GTAP website from early November 2017 through January 15, 2018. All submissions will go through a peer review process. Accepted presenters will be notified in early March 2018 with papers due April 15, 2018.

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Vol 1, No 1 (June 2016)

Advances in Methods and Theory

- **Modern Trade Theory for CGE Modelling: The Armington, Krugman and Melitz Models**
Peter B. Dixon, Michael Jerie and Maureen T. Rimmer
- **GTAP-HET: Introducing Firm Heterogeneity into the GTAP Model**
Zeynep Akgul, Nelson B. Villoria, Thomas W. Hertel

Advances in Data and Parameters

- **An Overview of the GTAP 9 Data Base**
Angel Aguiar, Badri Narayanan and Robert McDougall
- **The GTAP-Power Database: Disaggregating the Electricity Sector in the GTAP Database**
Jeffrey C. Peters

Advances in Software

- **Using R to Extract Data from the World Bank’s World Development Indicators**
Dominique van der Mensbrugge

Vol 1, No 2 (December 2016)

Advances in Methods and Theory

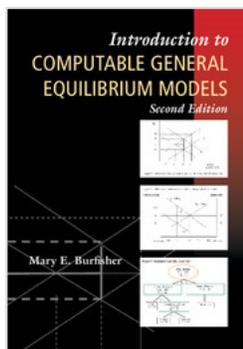
- **GTAPinGAMS: Multiregional and Small Open Economy Models**
Bruno Lanz and Thomas Rutherford

Advances in Data and Parameters

- **Estimation of Climate Change Damage Functions for 140 Regions in the GTAP 9 Database**
Roberto Roson and Martina Sartori
- **Introducing Irrigation Water into GTAP Data Base Version 9**
Iman Haqiqi, Farzad Taheripour, Jing Liu, and Dominique van der Mensbrugge

Advances in Software

- **GTAP-E-Power: An Electricity-detailed Economy-wide Model**
Jeffery C. Peters

GTAP 101 COURSE***"Introduction to Computable General Equilibrium Modeling"***

Coursework based on:
Introduction to Computable
 General Equilibrium Models, 2e
 by Mary E. Burfisher

General Information

Date:	September 18 - November 5, 2017	
Location:	This course is delivered fully online.	
Offered by:	Center for Global Trade Analysis, Purdue University	
Cost (USD):	\$1,400	Developed Country Professional Rate
	\$1,100	Developing Country Professional Rate
	\$750	Developed Country Student Rate
	\$500	Developing Country Student Rate
	\$100	Scholarship Rate

Apply by July 2!

www.gtap.agscon.purdue.edu/events/GTAP101/2017-2/

Objective

The objective of the GTAP 101 course is to engage participants in an active, team-based process of learning about the GTAP computable general equilibrium (CGE) model and its use in applied economic policy analysis. The curriculum emphasizes an intuitive and graphical treatment of economic theory in the CGE model, and provides structured experiences in manipulating and running the standard GTAP Model within the RunGTAP software environment. RunGTAP is an intuitive, menu-driven CGE model that minimizes technological hurdles and allows students to quickly begin to focus on their economic thinking and experimentation. The curriculum is geared to advanced undergraduates, graduates and professionals. At the end of the course, participants will be entry-level modelers and more informed consumers of CGE-based analyses. The course also serves as an entry point for developing the technical skills required for the GTAP Short Course.

During the online course, participants will:

- review core economic theories from macro, micro, trade and public finance and observe how they are operationalized in an applied general equilibrium model;
- learn to recognize, control and interpret the theoretically consistent behavior of consumers and producers in the model;
- observe the aggregated, macroeconomic impacts of microeconomic behaviors;
- define model experiments that represent real-world issues and problems; and
- learn to interpret general equilibrium model results by calling on and integrating their knowledge of multiple fields of economic study.

Structure

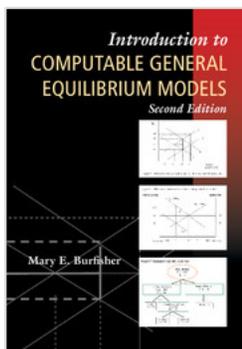
The course is delivered fully online. All course materials are provided to participants and included in the cost of tuition. Learning takes place through active discussions among the participants and instructor, which are carried out as asynchronous, threaded conversations on the classroom bulletin board, and through virtual team work on collaborative projects.

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GTAP PREFERENTIAL TRADE AGREEMENTS MINI-COURSE

"Applied Policy Analysis: Mini-course on Preferential Trade Agreements"



Coursework based on:
[Introduction to Computable
 General Equilibrium Models, 2e](#)
 by Mary E. Burfisher

General Information

Date:	October 23 - November 26, 2017
Location:	This course is delivered fully online.
Offered by:	Center for Global Trade Analysis, Purdue University
Cost (USD):	\$850 Developed Country Professional Rate \$500 All Students and Developing Country Professionals Rate \$100 Scholarship Rate

Apply by August 13!

www.gtap.agecon.purdue.edu/events/GTAPPTA/2017/

Objective

GTAP PTA is a three-week, fully-online mini-course that is designed to provide professionals and students with hands-on, applied training in the analysis of preferential trade agreements (PTAs) using the GTAP computable general equilibrium model. The objectives of the GTAP PTA course are to provide students with an underpinning in the economic theory of tariffs and customs unions and regulatory policy analysis, and to help them develop their applied skills in database development, design of PTA experiments and analysis of model results. The curriculum emphasizes an intuitive and graphical treatment of economic theory, provides structured experiences in manipulating and running the standard GTAP model within the RunGTAP software environment, and culminates in team-based research projects. At the end of the course, participants will have developed skills in the analysis of tariff and non-tariff liberalizations in a PTA. Pre-requisites are completion of GTAP 101 or the GTAP Short Course, or a working competency in the RunGTAP modeling software.

During the online course, participants will:

- review economic theories of tariffs, customs unions and regulatory policy;
- observe how these theories are operationalized in a CGE model;
- learn about approaches to measuring the trade-distorting effects of non-tariff measures;
- define model experiments that represent liberalization of tariffs and non-tariff measures in a PTA; and
- select and interpret general equilibrium model results that are derived from a theoretical framework.

Structure

The course is delivered fully online. All course materials are provided to participants and included in the cost of tuition. Learning takes place through active discussions among the participants and instructor, which are carried out as asynchronous, threaded conversations on the classroom bulletin board, and through virtual team work on collaborative projects.

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