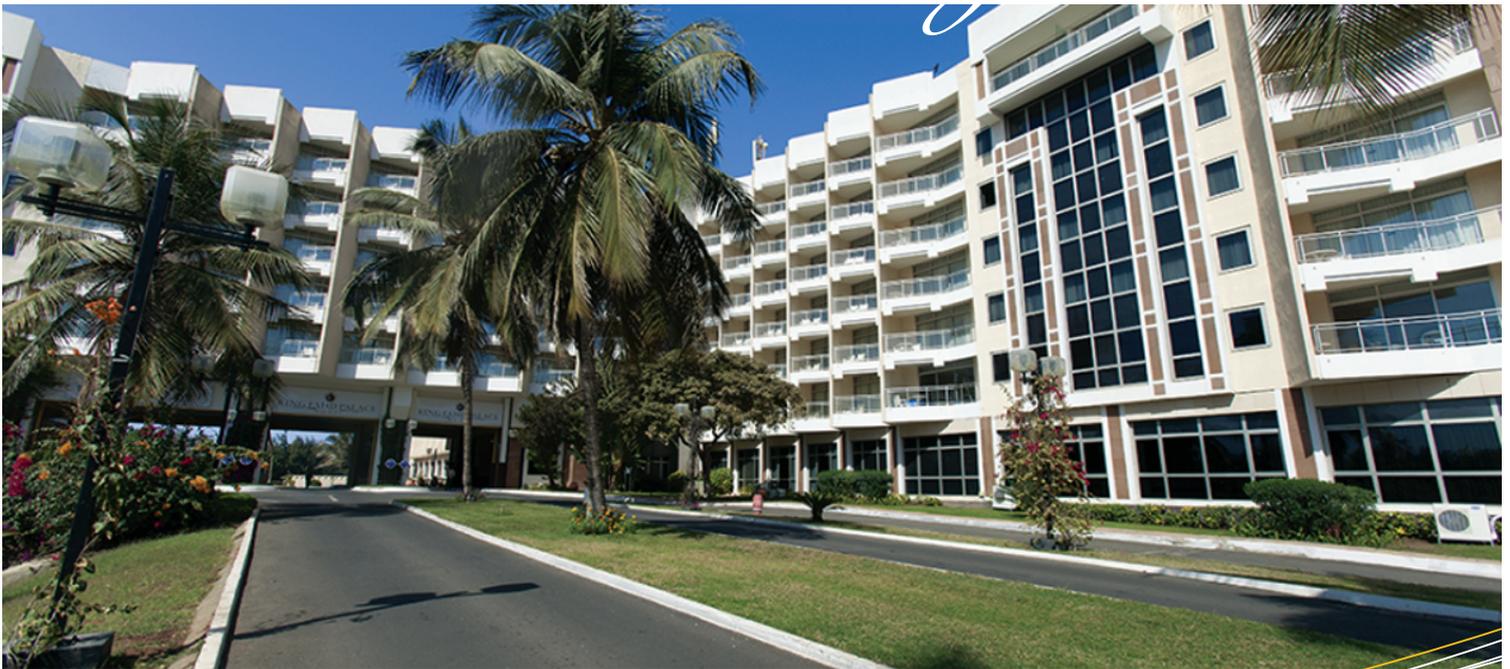




# 17<sup>th</sup> Annual Conference on Global Economic Analysis

*“New Challenges in Food Policy, Trade and Economic Vulnerability”*

*Dakar, Senegal*



King Fahd Palace Hotel  
June 18-20, 2014

Organizers:



Sponsors:



United Nations  
Economic Commission for Africa



THE WORLD BANK  
Working for a World Free of Poverty

Partners:



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## **General Conference Information**

### **Dates**

June 18-20, 2014

### **Location**

King Fahd Palace Hotel  
Pointe des Almadies, BP: 8181  
Dakar, Senegal

### **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.

### **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 research area. 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 three plenary sessions, all 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:

#### **"New Challenges in Food Policy, Trade and Economic Vulnerability"**

- International Trade and Food Security
- International Trade and Finance
- Foreign Direct Investment in Land and Land Markets
- The Impact of Demographic Transition and Population Aging on the World Economy
- Trade, Environment, Natural Resources, and Sustainable Development
- The Impact of the Internet and New Technological Innovations on Global Trade
- The Interaction between Global Trade, Poverty, Income Distribution, Inequality, and Development: The Integration of Africa into the World Trade System
- The Potential for Africa to "Feed the World"

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

**<http://www.gtap.agecon.purdue.edu/events/conferences/2014/> ISSN 2160-2115 (online)**

## Conference Organizers



### **Center for Global Trade Analysis, Purdue University**

<http://www.gtap.agecon.purdue.edu>

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.



### **African Growth and Development Policy (AGRODEP)**

<http://www.agrodep.org>

The African Growth and Development Policy (AGRODEP) Modeling Consortium is an initiative led by the International Food Policy Research Institute (IFPRI). The goal of AGRODEP is to position African experts to take a leading role in both (1) the study of strategic development questions facing African countries as a group and (2) the broader agricultural growth and policy debate, which traditionally has been dominated by external actors and concerns. Building on more than three decades of research and capacity building activities in Africa, IFPRI aims to provide locally relevant solutions to agriculture-related development challenges. Through AGRODEP, IFPRI and its partners will equip African researchers with the tools to perform science-based research that will enable them to formulate sound and effective policies. AGRODEP is a collaboration among IFPRI; the Association for Strengthening Agricultural Research in East and Central Africa (ASARECA); the West African Council on Agricultural Research and Development (CORAF/WECARD); and the Food, Agriculture, and Natural Resources Policy Network (FANRPAN).



### **International Food Policy Research Institute (IFPRI)**

<http://www.ifpri.org>

The International Food Policy Research Institute (IFPRI) provides research-based policy solutions to sustainably reduce poverty and end hunger and malnutrition. The Institute collaborates with partners around the world, including development implementers, public institutions, the private sector, and farmers' organizations. IFPRI is a member of the CGIAR Consortium.

IFPRI's 2013-2018 strategy highlights six strategic research areas:

1. Ensuring Sustainable Food Production
2. Promoting Healthy Food Systems
3. Improving Markets and Trade
4. Transforming Agriculture
5. Building Resilience
6. Strengthening Institutions and Governance

A gender theme cuts across all six areas. IFPRI leads two of CGIAR's Research Programs (CRPs): Policies, Institutions, and Markets (PIM) and Agriculture for Nutrition and Health (A4NH). Partnerships, communications, and capacity strengthening are essential for putting IFPRI's high-quality research into practice. IFPRI produces high quality research that can shape policies, investments, and programs, contributing to a productive, sustainable and resilient agricultural and food system.

## Conference Sponsors



### **CGIAR Research Program on Policies, Institutions and Markets**

<http://www.pim.cgiar.org/>

Food prices are high and rising—a situation that points to continued challenges in food security in the coming years. Despite global efforts to overcome these problems, one of the most promising tools for promoting development and reducing poverty—pro-poor, sustainable agricultural growth, particularly for small producers—has been underexploited. Evidence shows that agricultural growth reduces poverty by twice the rate of growth in nonagricultural sectors, but this growth has been held back by failures related to policies, institutions, and markets and will be further challenged by emerging trends such as climate change and natural resource scarcity. Past agricultural growth has also been constrained by a narrow focus on agriculture that excluded macroeconomic dimensions, environmental inputs and outcomes, and important enabling conditions, such as rural infrastructure, effective markets, and complementary services like credit and agricultural extension. The purpose of the CGIAR Research Program on Policies, Institutions and Markets is to establish how these challenges and failures can be overcome so that policies, institutions, and markets can be used most effectively to reduce poverty, improve food security, and grow small producers' incomes. Since developing countries face a tremendous variety of development challenges, and also vary greatly in their policy, institutional, and market capacities, the program has a strong focus on supporting country-led, country-driven, and country-owned development processes through collaborative research, partnership, and capacity building. The program will for the first time bring together analysis of policies and institutions related to food security, poverty, and sustainable agriculture from across the CGIAR. It will combine research expertise in both the social and the biophysical sciences at key CGIAR centers to find ways to enhance agricultural productivity while reducing rural poverty and improving outcomes for the environment.

### **FOOD SECURITY PORTAL**

FACILITATED BY IFPRI 

### **Food Security Portal, Facilitated by IFPRI**

<http://www.foodsecurityportal.org/>

The Food Security Portal, facilitated by IFPRI, aims to provide improved food security for the world's poor and increased resilience of global food systems against food and financial crises. The project brings together international, regional, and country-level data, news, and research aimed at meeting countries' immediate food security needs, as well as building long-term global food security. The open-access project encompasses a global research-based monitoring and capacity-strengthening device for successful identification and implementation of the appropriate policy actions in response to food crises. The Food Security Portal is designed to pool information in structured ways and ensure data quality, timeliness, and relevance, as well as the opportunity for collaboration among policymakers, development professionals, and researchers.



United Nations  
Economic Commission for Africa

### **United Nations Economic Commission for Africa**

<http://www.uneca.org/>

Established by the Economic and Social Council of the United Nations in 1958 as one of the UN's five regional commissions, ECA's mandate is to promote the economic and social development of its member States, foster intra-regional integration, and promote international cooperation for Africa's development. Made up of 54 member States, and playing a dual role as a regional arm of the UN and as a key component of the African institutional landscape, ECA is well positioned to make unique contributions to address the Continent's development challenges.



**THE WORLD BANK**  
Working for a World Free of Poverty

### **The World Bank**

<http://www.worldbank.org/>

Since 1944, the World Bank has expanded from a single institution to a closely associated group of five development institutions. Our mission evolved from the International Bank for Reconstruction and Development as facilitator of post-war reconstruction and development to the present-day mandate of worldwide poverty alleviation in close coordination with our affiliate, the International Development Association, and other members of the World Bank Group, the International Finance Corporation, the Multilateral Guarantee Agency, and the International Centre for the Settlement of Investment Disputes. Once, a homogeneous staff of engineers and financial analysts, based solely in Washington, D.C., today, the World Bank has a multidisciplinary and diverse staff that includes economists, public policy experts, sector experts and social scientists. Reconstruction remains an important part of our work; however today, poverty reduction through an inclusive and sustainable globalization remains the overarching goal.

## Conference Partners



### **World Trade Organization**

<http://www.wto.org/>

The World Trade Organization is the global forum for ensuring a rule-based sustainable approach to global trade. The bulk of the WTO's current work comes from the 1986-94 Uruguay Round negotiations as well as earlier negotiations under the General Agreement on Tariffs and Trade (GATT). The WTO is the host to presently ongoing multi-lateral trade negotiations, under the "Doha Development Agenda" launched in 2001. WTO is recognized for its contribution to liberalizing global trade in a multi-lateral framework, but in some circumstances its rules support maintaining trade barriers - for example to protect health. The WTO agreements, negotiated and signed by the bulk of the world's trading nations, provide the legal ground for international commerce. They are contracts, binding governments to keep their trade policies within agreed rules. The goal is to help producers of goods and services, exporters, and importers conduct their business, while allowing governments to meet social and environmental objectives. The WTO's overriding purpose is to help trade flow as freely as possible. That partly means removing obstacles; it also means ensuring that individuals, companies and governments know what the trade rules are around the world, and giving them the confidence that there will be no sudden changes or reversals of trade policy. In other words, the rules have to be "transparent" and predictable. The WTO began life on 1 January 1995, but its trading system is half a century older. Since 1948, the General Agreement on Tariffs and Trade (GATT) had provided the rules for the system. The second WTO ministerial meeting, held in Geneva in May 1998, included a celebration of the 50th anniversary of the system. Over the years GATT evolved through several rounds of negotiations. The previous GATT round, was the Uruguay Round which lasted from 1986 to 1994 and led to the WTO's creation. Whereas GATT had mainly dealt with trade in goods, the WTO and its agreements now cover trade in services, and in traded inventions, creations and designs (intellectual property).

## **Special Recognition**

The Center for Global Trade Analysis would like to recognize the following individuals who contributed to the success of this conference.

### **Conference Co-Chairs**

- **Thomas Hertel**, Distinguished Professor, Executive Director, Center for Global Trade Analysis, Purdue University
- **Antoine Bouët**, Senior Research Fellow, International Food Policy Research Institute

### **Conference Committee Members**

Ousmane Badiane	Ali Mbaye
Hakeem Ben Hamouda	Lemma Senbet
Bridget Chilala	Lindiwe Sibanda
Patrick Jomini	Maximo Torero
Stephen Karingi	Dominique van der Mensbrugge
Ken Kawasaki	Jan van Heerden
Augustin Kwasi-Fosu	Terrie Walmsley
Will Martin	

*The conference co-chairs  
and committee welcome you  
to Dakar and wish you an  
enjoyable and productive  
conference!*

### **Conference Abstract Reviewers**

Philip Adams	Edson Domingues	Kenichi Kawasaki	Sebastian Rausch
S. Amer Ahmed	Fabio Eboli	Roman Keeney	Maureen Rimmer
Shahid Ahmed	Aziz Elbehri	Leena Kerkela	Roberto Roson
A.Emre Akel	Mingtai Fan	David Laborde	Mustapha Sadni Jallab
Zeynep Akgul	Fabienne Femenia	Csilla Lakatos	Amadou Sagnon
Channing Arndt	Michael Ferrantino	Huey-Lin Lee	Luca Salvatici
Misak Avetisyan	Joaquim Bento Ferreira-	Arjan Lejour	Durdane Sirin Saracoglu
Adeline Awantang	Filho	André Lemelin	Khalid Siddig
Levent Aydin	Ismael Fofana	Jing Liu	Chandrima Sikdar
Uris Lantz Baldos	Lionel Fontagné	Hans Lofgren	Yontem Sonmez
Edward J. Balistreri	Marco Fugazza	Sheng Lu	Anna Strutt
Lacina Balma	Tani Fukui	Carlos Ludena	Farzad Taheripour
Onil Banerjee	Anand Ganesh-Kumar	Helene Maisonnave	Karen Thierfelder
Martin Banse	Mark Gehlhar	Scott McDonald	Selman Tokpunar
Güzin Bayar	Collin Gerst	Denis Medvedev	Patrick Tomberger
Jayson Beckman	Marie Adrienne	Xue Meng	Natalia Tourdyeva
Iryna Bezverkha	Gillardeau	Simon Mevel	Truong Truong
Dileep Birur	Eugenia Go	Seda Meyveci Doganay	Marinos Tsigas
Adam Blake	Alex Gohin	Mia Mikic	Rod Tyers
Bineswaree Bolaky	Christophe Gouel	Peter Minor	Wally Tyner
Antoine Bouët	Harald Grethe	Tasneem Mirza	Kirsten Urban
Pierre H Boulanger	Angelo Gurgel	Fulgence Mishili	Rahmet Uslu
Ole Boysen	Iman Haqiqi	Andrew Mold	Yasin Uzun
Mary Burfisher	Thomas Hertel	Kakali Mukhopadhyay	Hugo Valin
Yiyong Cai	Yiseok Hong	Brian Mureverwi	Dominique van der
Rajesh Chadha	Mark Horridge	Badri Narayanan	Mensbrugge
Ching-Cheng Chang	Shih-Hsun Hsu	Signe Nelgen	Frank van Tongeren
Jean Chateau	Peng Huang	Masahiro Omura	Beatriz E. Velazquez
James Cheong	Zekarias Hussein	Patrick Osakwe	Nelson Villoria
John Cockburn	Elena Ianchovichina	Hom Pant	Cristina Vinyes
Lisandra Colley	Ken Itakura	Ramiro Parrado	Ebru Voyvoda
Jingbo Cui	Sébastien Jean	Jeffrey C. Peters	Niven Winchester
Rosana Curzel	Hans Grinsted Jensen	Everett Peterson	Ashley Winston
Surajit Deb	Christo Joubert	George Philippidis	Glyn Wittwer
Yvan Decreux	Mercyline Kamande	Nguetse Pierre Joubert	Sara Wong
Betina Dimaranan	Zhanna Kapsalyamova	Selim Raihan	Wusheng Yu
Peter Dixon	Stephen Karingi	Manitra Rakotoarisoa	

## Transportation and Post-Conference Event

It is recommended that participants use the following transportation options for the conference during their stay in Dakar. Use of these services is included in the conference registration fee.

### **Airport -> Conference Hotels -> Airport (June 17, 21 only)**

*To/From King Fahd Palace Hotel* - The King Fahd Palace Hotel offers a free shuttle service to its guests. Hotel personnel will be waiting in the 24-hour *Elite Lounge* of the airport to direct participants to the hotel shuttle. Participants can expect the shuttle to depart the airport at the top of each hour on June 17. For return trips to the airport on June 21, participants should contact the hotel desk.

*To/From Hotel des Almadies, Le Lodge des Almadies, Fleur de Lys Hotel and Virage Hotel* - A private shuttle service will be available to meet participants at the airport baggage claim (look for a GTAP sign) and deliver them to their respective, designated conference hotels. Participants can expect the shuttle to depart the airport at the top of each hour on June 17 and drop off at the hotels in the aforementioned order. Return trips on June 21 will depart the Hotel des Almadies at the top of the hour and make stops at each hotel, in the aforementioned order, before arriving at the airport. It is estimated that each trip, starting at the Hotel des Almadies and ending at the airport will last approximately 30 minutes.

### **Conference Hotels -> Conference Venue (King Fahd Palace Hotel) -> Conference Hotels (June 18-20)**

*To/From Virage Hotel, Fleur de Lys Hotel, Le Lodge des Almadies and Hotel des Almadies* - The same shuttle service used to deliver participants from the airport to the above hotels will be available on a daily basis during the conference to transport participants to and from these hotels and the conference venue. Participants should await the shuttle in their hotel's lobby/front entrance and look for the "GTAP" shuttle.

<i>Date</i>	<i>Departure</i>	<i>Location</i>
June 18	07:15	Virage Hotel
	07:30	Fleur de Lys Hotel
	07:40	Le Lodge des Almadies
	07:50	Hotel des Almadies
	18:50	King Fahd Palace Hotel to Grand Theatre for reception
	20:30	Grand Theatre to all conference hotels <i>(Return trip for those not attending the entertainment)</i>
	21:30	Grand Theatre to all conference hotels <i>(Return trip for those not staying for the entire duration of the entertainment)</i>
	22:30	Grand Theatre to all conference hotels <i>(Final return trip)</i>
June 19	07:15	Virage Hotel
	07:30	Fleur de Lys Hotel
	07:40	Le Lodge des Almadies
	07:50	Hotel des Almadies
	21:00	King Fahd Palace Hotel to conference hotels
June 20	07:30	Virage Hotel
	07:45	Fleur de Lys Hotel
	07:55	Le Lodge des Almadies
	08:05	Hotel des Almadies
	16:20	King Fahd Palace Hotel to conference hotels

### **Post-Conference Event: Goree Island (June 21)**

For those who signed up and paid to participate in this event, please make note of the following schedule.

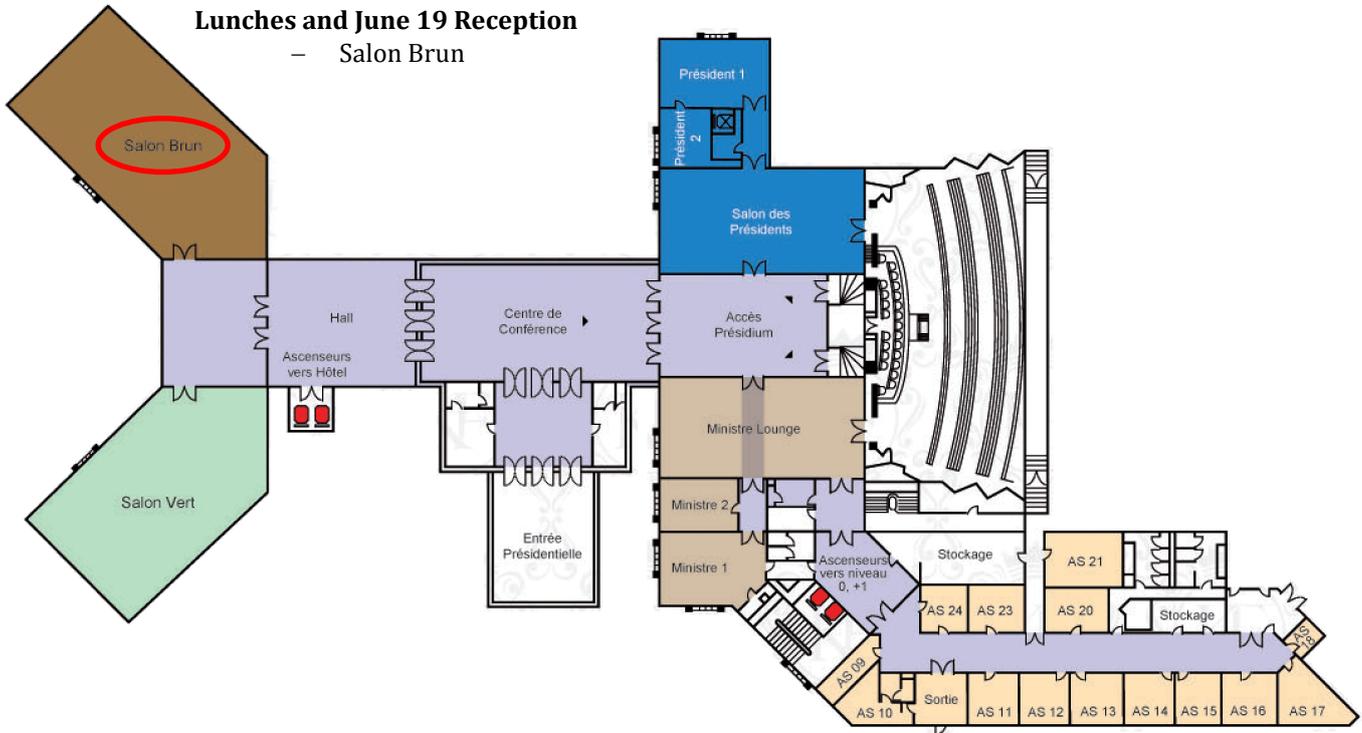
<i>Time</i>	<i>Details</i>
09:15	Meet in your respective conference hotel lobby (look for "GTAP Goree Island" signs)
10:00	Depart via ferry to Goree Island
14:00	Depart Goree Island via ferry
15:00	Arrive at respective conference hotels

# Conference Venue Floor Plans

## Level -1

### Lunches and June 19 Reception

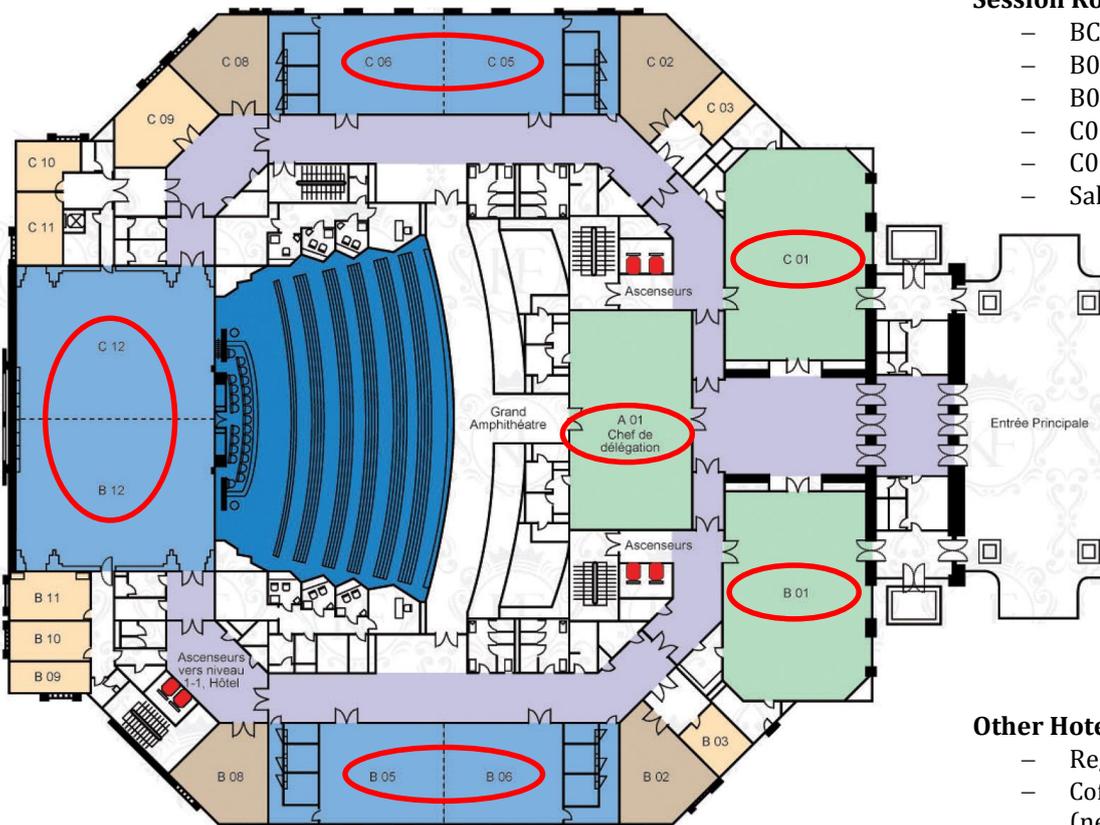
– Salon Brun



## Level 0

### Session Rooms

- BC12
- B05-B06
- B01
- C05-C06
- C01
- Salle Chef de Délégation



### Other Hotel Locations in Use

- Registration Desk: Level 0
- Coffee Breaks: Hotel Forecourt (near hotel lobby)

## Daily Session Overview: Wednesday, June 18

Full session details for this day are listed on pages 16-25.

Time	Rooms					
	BC12	B05-B06	B01	C05-C06	C01	Salle Chef de Délégation
08:30-09:00	<b>Opening Ceremony</b>					
	<i>Pg. 16</i>					
09:00-10:30	<b>Plenary Session</b> <i>Perspectives on Economic Growth and Development in Africa</i>					
	<i>Pg. 16</i>					
11:00-12:30	<b>*Session #1</b> <i>Impressive Versus Inclusiveness: Perspectives from Land Deals in Rural Areas in Selected African Countries</i>	<b>Session #2</b> <i>Climate Adaptation</i>	<b>Session #3</b> <i>Productivity Growth</i>	<b>Session #4</b> <i>Volatility in Food Markets</i>	<b>Session #5</b> <i>Analysis of Trade and Trade Policy</i>	<b>Session #6</b> <i>Labor Markets and Migration</i>
	<i>Pg. 16</i>	<i>Pg. 17</i>	<i>Pg. 17</i>	<i>Pg. 18</i>	<i>Pg. 18</i>	<i>Pg. 19</i>
14:00-16:00	<b>Session #7</b> <i>TTIP</i>	<b>*Session #8</b> <i>Labor, trade, and investment linkages: data, models, and scenarios</i>	<b>Session #9</b> <i>Economy-wide Impacts of Energy and Climate Policies</i>	<b>Session #10</b> <i>Green Growth</i>	<b>Session #11</b> <i>Economic Growth and Finance</i>	<b>†Session #12</b> <i>Food Security and Economic Development in Africa</i>
	<i>Pg. 19</i>	<i>Pg. 20</i>	<i>Pg. 20</i>	<i>Pg. 21</i>	<i>Pg. 21</i>	<i>Pg. 22</i>
16:30-18:30	<b>Session #13</b> <i>Factor Markets, Social Policy and Household Impacts of Trade and Climate</i>	<b>Session #14</b> <i>Mitigation of Greenhouse Gas Emissions</i>	<b>*Session #15</b> <i>Tariff Protection: Data and Policy Issues</i>	<b>Session #16</b> <i>Modeling Methods for Energy and Food Systems</i>	<b>Session #17</b> <i>Poverty, Social Protection and Regional Development</i>	<b>Session #18</b> <i>Agricultural Development, Trade and Land Use</i>
	<i>Pg. 22</i>	<i>Pg. 23</i>	<i>Pg. 23</i>	<i>Pg. 24</i>	<i>Pg. 24</i>	<i>Pg. 25</i>

\*Organized Session

†Session contains presentation(s) delivered in French

## **Plenary Session: “Perspectives on Economic Growth and Development in Africa”**

**Wednesday, June 18 – 09:00-10:30**



### **Njuguna Ndung'u, “Sustaining Economic Growth in Africa”**

Governor, Central Bank of Kenya

Prof. Ndung'u is the Governor of the Central Bank of Kenya since March 2007. Prior to this appointment, he was the Director of Training at the African Economic Research Consortium (AERC). He has taught economics at the University of Nairobi, has worked with the International Development Research Centre (IDRC) and at the Kenya Institute of Public Policy Research and Analysis (KIPPRA). A member of various boards in the financial sector and in the Vision 2030 Delivery Secretariat, the Governor was also the chair of the Steering Committee of the Alliance for Financial Inclusion (AFI) based in Bangkok, Thailand from 2009 till Sept 2012. He is now the Chair of the newly launched African Mobile Phone Financial Services Policy Initiative (AMPI), a sub-network of AFI.

The Governor is a member of the Committee of Ten (C10) comprised of five African Finance Ministers and five Central Bank Governors representing the 5 regions of Africa. This Committee, formed during the global financial crisis, was mandated to look into ways of mitigating the crisis through appropriate policy response; communicating and coordinating Africa's response and required global reforms especially in the world's financial architecture.

Prof. Ndung'u is a researcher and trainer in various fields of economics. He has published widely in journals and chapters in volumes on inflation, exchange rate, economic growth and poverty reduction. He holds a PhD in economics from Gothenburg University, Sweden, a Bachelors and Masters of Arts in Economics from the University of Nairobi and is an Associate Professor of Economics from the University of Nairobi.

In recognition of his role in national economic development, His Excellency the President of the Republic of Kenya conferred the Award of First Class of Chief of the Order of the Burning Spear (CBS) on Prof. Ndung'u in 2009.



### **Jean-Paul Azam, “Can African Growth Survive Beyond the Commodity Boom?”**

Professor, Toulouse School of Economics

Jean-Paul Azam is professor of economics at the University of Toulouse (France) and at the Institut Universitaire de France. He is also the director of ARQADE (Atelier de recherche quantitative appliquée au développement économique) and a research fellow at IDEI (Institut d'économie industrielle) both in Toulouse, and a fellow of EUDN (European Development Network). He has held visiting positions at Abidjan, Louvain-la-Neuve, Namur, Ouagadougou, Oxford (at St Antony's College), etc. A French national born in Oujda (Morocco) in 1951, he was trained in Toulouse and at LSE (London School of Economics), where he got his Ph.D. in Economics in 1980.

He is an applied theorist with an extensive field experience in Africa and Asia. He has served as a consultant for many institutions, including the World Bank and the EU, and has served as a Resource-Person at the Nairobi-based AERC (African Economic Research Consortium). His research interests span a wide array of topics related to economic and political development in poor countries, including among the topics analyzed at IZA: migration, ethnic discrimination, trade unions, wage determination, etc. He has also worked on conflicts, including civil war and terrorism, and the role of redistribution and aid in their prevention. He has published papers in Economics or Political Science journals such as European Economic Review, Journal of African Economies, Journal of Conflict Resolution, Journal of Development Economics, Journal of Peace Research, Public Choice, World Development, etc. His recent book Trade, Exchange Rate and Growth in Sub-Saharan Africa (Cambridge University Press, 2007) emphasizes how African institutions, either formal or informal, change decisively the effects of macroeconomic and trade policies and their impact on poverty.

## Daily Session Overview: Thursday, June 19

Full session details for this day are listed on pages 26-36.

Time	Rooms					
	BC12	B05-B06	B01	C05-C06	C01	Salle Chef de Délégation
<b>08:30-10:30</b>	<b>Session #19</b> <i>Energy-Economy Interactions</i>  Pg. 26	<b>Session #20</b> <i>Agriculture, Policy and Trade</i>  Pg. 26	<b>*†Session #21</b> <i>Boosting Intra-African Trade</i>  Pg. 27	<b>Session #22</b> <i>Economic Growth</i>  Pg. 27	<b>Session #23</b> <i>Poverty Analysis</i>  Pg. 28	<b>Session #24</b> <i>Non-Tariff Barriers and Regional Integration</i>  Pg. 28
<b>11:00-12:30</b>	<b>Session #25</b> <i>Labor Issues</i>  Pg. 29	<b>*Session #26</b> <i>Improvements in Modelling Supply Chains: Developments in Model Structure</i>  Pg. 29	<b>*Session #27</b> <i>Africa's Prospects for Shared Prosperity: Accounting for Structural Transformation and Regional Integration</i>  Pg. 30	<b>Session #28</b> <i>Analysis of Demography and Inequality</i>  Pg. 30	<b>Session #29</b> <i>Trade Modeling</i>  Pg. 31	<b>Session #30</b> <i>Regional Integration</i>  Pg. 31
<b>14:00-16:00</b>	<b>Session #31</b> <i>Trade Policy and Regional Trade Agreements</i>  Pg. 32	<b>Session #32</b> <i>Trade Modeling and Methods</i>  Pg. 32	<b>Session #33</b> <i>Climate Impacts and GHG Policies</i>  Pg. 33	<b>Session #34</b> <i>African Growth and Trade</i>  Pg. 33	<b>*†Session #35</b> <i>Trade Liberalization and Economic Development in Africa</i>  Pg. 34	<b>Session #36</b> <i>Foreign Investment in Land and Microfinance; Regulation of Food and Energy Markets</i>  Pg. 35
<b>16:30-18:00</b>	<b>Plenary Session</b> <i>Trade and Environment</i>  Pg. 35					

\*Organized Session

†Session contains presentation(s) delivered in French

**Plenary Session: "Trade and Environment"**  
**Thursday, June 19 - 16:30-18:00**



**James Anderson, "Gravity in General Equilibrium Modeling: New Frictions, New Index Numbers"**

William B. Neenan S.J. Millennium Professor of Economics, Boston College

James E. Anderson is the William B. Neenan S.J. Millennium Professor of Economics at Boston College. He has made numerous contributions to the theory of international trade and trade policy. Like most economists, he is a convinced liberal trader. For a discussion of why this is so despite sympathy for poor people who may be harmed by trade, see his essay "International Trade Theory" for the New Palgrave Dictionary of Economics. A large program of his research focused on index numbers of trade policy. (How high are trade barriers, understanding that there are thousands of them?) His book, Measuring the Restrictiveness of International Trade Policy, with Peter Neary (MIT Press, Dec. 2005) integrates and extends this work. Recently, he has focused on inference about formal and informal nontariff trade barriers that are implicit in trade patterns. He is perhaps best known for the economic theory of gravity (AER, 1979). Multilateral resistance indexes capture the effect on bilateral trade of the partners' trade costs with third parties. Applications resolve the border puzzle (why the US-Canada border appears so destructive to trade; AER, 2003) and the mystery of the missing globalization (why trade elasticities with respect to distance are constant; NBER, 2008, AER 2010). See also his essay on the gravity model in Annual Review of Economics, 2011. Related research estimates the volume effects of free trade agreements and infers from them the terms of trade effects (NBER 2011, VoxEU). More distantly related research focuses on insecurity and its implicit effect on trade. (How much does predation, corruption and poor enforceability of contract limit trade? How do institutions evolve to enable and secure trade? )

Professor Anderson currently serves on the Editorial Board of the Review of International Economics, and has served on the Editorial Boards of the Journal of International Economics and the American Economic Review. He is a Research Associate of the National Bureau of Economic Research and appeared in Who's Who in Economics, 3rd Edition. In 1999, he received a Boston College Distinguished Senior Research Award. In 2004, he was appointed William B. Neenan Millennium Professor of Economics at Boston College, the Economics Department's first endowed chair.



**Massimo Tavoni, "Assessing post 2020 climate agreements in the major economies: new insights from the field of global energy-economy-environment models"**

Deputy Coordinator, Climate Change and Sustainable Development Programme, Fondazione Eni Enrico Mattei (FEEM)

Massimo Tavoni is Director and Deputy Coordinator of the Climate Change Economics units at Euro-Mediterranean Center for Climate Change (CMCC) and Fondazione Eni Enrico Mattei (FEEM) respectively. From 2008 to 2010 he was post-doctoral research associate at Princeton University, and before then researcher at FEEM and CMCC. His research is about energy and climate change economics, and specifically the modeling and evaluation of international climate mitigation policies. He is also interested in the interplay between energy, climate and environmental policies. Massimo has published extensively in the peer reviewed literature, including work that was featured in "Time" magazine's list of "The 50 Best Inventions of 2009". He is a lead author for the 5th assessment report of the IPCC, the co-director of the annual International Energy Workshop and lecturer for the PhD in "Science and Management of Climate Change" at the University of Venice. He is also deputy editor for the Journal *Climatic Change*. Massimo holds a Laurea cum Laude in Engineering from the University of Bologna, an MSc in Mathematical Economics from the London School of Economics, and a PhD in Political Economics from the Catholic University of Milan.

## Daily Session Overview: Friday, June 20

Full session details for this day are listed on pages 37-43.

Time	Rooms					
	<b>BC12</b>	<b>B05-B06</b>	<b>B01</b>	<b>C05-C06</b>	<b>C01</b>	<b>Salle Chef de Délégation</b>
<b>08:30-10:30</b>	<b>*Session #37</b> <i>Food Security and International Trade</i>	<b>Session #38</b> <i>Economic Growth and Trade in Africa</i>	<b>Session #39</b> <i>Economy-wide Impacts of Climate Change</i>	<b>Session #40</b> <i>Modeling Methods</i>	<b>Session #41</b> <i>Firm Heterogeneity in CGE Models</i>	<b>*†Session #42</b> <i>International Trade, Land and Food Security in Africa</i>
	<i>Pg. 37</i>	<i>Pg. 37</i>	<i>Pg. 38</i>	<i>Pg. 38</i>	<i>Pg. 39</i>	<i>Pg. 39</i>
<b>11:00-12:30</b>	<b>*Session #43</b> <i>Public procurement – new developments in data collection, modelling tools and policy analysis</i>	<b>Session #44</b> <i>Distributional Impacts of Climate Policy</i>	<b>Session #45</b> <i>Water and Environmental Issues</i>	<b>Session #46</b> <i>Trade Facilitation</i>	<b>Session #47</b> <i>Trade Topics</i>	<b>Session #48</b> <i>Regional Trade Agreements in Africa</i>
	<i>Pg. 40</i>	<i>Pg. 40</i>	<i>Pg. 41</i>	<i>Pg. 41</i>	<i>Pg. 42</i>	<i>Pg. 42</i>
<b>14:00-15:30</b>	<b>Plenary Session</b> <i>Building Economic Modeling Capacity in Africa</i>					
	<i>Pg. 43</i>					
<b>15:30-16:00</b>	<b>Closing Ceremony</b>					
	<i>Pg. 43</i>					

\*Organized Session

†Session contains presentation(s) delivered in French

## **Plenary Session: “Building Economic Modeling Capacity in Africa”**

**Friday, June 20 – 14:00-15:30**



### **Ousmane Badiane, “Building Modeling Capacities to Support Evidence-based Policy Planning and Implementation in Africa”**

Africa Director, International Food Policy Research Institute (IFPRI)

Chair, African Growth and Development Policy (AGRODEP) Modeling Consortium, Steering Committee

Dr. Ousmane Badiane is the Africa Director for the International Food Policy Research Institute (IFPRI). In this role, he coordinates IFPRI’s work program in the areas of food policy research, capacity strengthening, and policy communications in Africa. He is also in charge of IFPRI’s partnerships with

African institutions dealing with the above areas.

Dr. Badiane, a national of Senegal, was Lead Specialist for Food and Agricultural Policy for the Africa Region at the World Bank from January 1998 to August 2008. He previously worked at IFPRI as Senior Research Fellow from 1989 to 1997, when he led the institute’s work on market reforms and development. While at IFPRI, he taught, as adjunct professor, at Johns Hopkins’ School of Advanced International Studies from 1993 to 2003. Dr. Badiane received a Master’s Degree and PhD in Agricultural Economics from the University of Kiel in Germany and a doctorate honoris causa from the University of KwaZulu Natal, South Africa. Dr. Badiane is a Distinguished Fellow of the African Association of Agricultural Economists.



### **Maarten Smeets, “Building Trade Capacity in the WTO”**

International Trade Economist and the Head of the Technical Assistance Coordination, Partnerships and Internship Programs Section at the Institute for Training and Technical Co-operation (ITTC) of the World Trade Organization (WTO)

At the ITTC, Maarten Smeets is responsible for coordinating the WTO’s trade capacity building programs, designing joint programs with other agencies, as well as for the WTO Chairs Program. This program consists of building relations with WTO’s partner universities, which pursue research in the field of WTO, conduct outreach activities and undertake curriculum development. He manages WTO’s main Intern Programmes, which bring annually some 40 mid to high level government officials for 6-10 months to the WTO. Prior to the WTO, he worked in the Trade Directorate of the OECD (Paris), analyzing trends and conducting studies in international trade. He started his career at the Ministry of Economic Affairs, Den Haag, Netherlands. He is a senior visiting fellow at Clingendael Institute (Den Haag, Netherlands), where he delivers training, including simulations in international trade and provides policy advice. He teaches at various Universities as a guest lecturer and works in close relation with training institutes. He has published in leading international journals and contributed to books on international trade; he has most recently published an article on ‘Trade Capacity Building in the WTO: Main Achievements since Doha and Key Challenges’ (JWT Vol.47, issue 5, Oct 2013), and is co-editor of ‘Connecting to Global Markets, Challenges and Opportunities: Case Studies presented by WTO Chair-holders’, WTO, January 2014, which was officially launched by the WTO’s Director-General on 11 February 2014.

## Conference Schedule: Tuesday, June 17

<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>15:00-17:00</b>	<b>Early Onsite Registration</b> <i>We encourage participants who will be in Dakar on Tuesday afternoon to attend this early registration to receive their conference materials.</i>	<b>Registration Desk</b> King Fahd Palace Hotel Level 0
	<b>King Fahd Palace Hotel</b> Pointe des Almadies, BP: 8181 Dakar, Senegal	

## **Conference Schedule: Wednesday, June 18**

Presenters, denoted 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.

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>08:00-16:00</b>	<b>Onsite Registration</b> <i>Transportation to/from the designated conference hotels and venue is provided. See page 7 for details.</i>	<b>Registration Desk</b> King Fahd Palace Hotel Level 0
<b>08:30-09:00</b>	<b>Opening Ceremony</b> <ul style="list-style-type: none"> <li>– <b>Thomas Hertel</b>, Center for Global Trade Analysis, Purdue University</li> <li>– <b>Ousmane Badiane</b>, International Food Policy Research Institute and African Growth and Development Policy (AGRODEP) Modeling Consortium</li> </ul>	<b>BC12</b>
<b>09:00-10:30</b>	<b>Plenary Session</b>  <i>“Perspectives on Economic Growth and Development in Africa”</i> Chair: Ousmane Badiane <ul style="list-style-type: none"> <li>– <b><u>Sustaining Economic Growth in Africa</u></b> (#4570) by <b>Ndung'u, Njuguna</b></li> <li>– <b><u>Can African Growth Survive Beyond the Commodity Boom?</u></b> (#4571) by <b>Azam, Jean-Paul</b></li> </ul>	<b>BC12</b>
<b>10:30-11:00</b>	<b>Coffee Break</b>	<b>Hotel Forecourt</b> (near hotel lobby)
<b>11:00-12:30</b>	<b>Session #1 – Organized Session</b>  <i>“Impressive Versus Inclusiveness: Perspectives from Land Deals in Rural Areas in Selected African Countries”</i> Organizer/Chair: Evans Osabuohien <ul style="list-style-type: none"> <li>– <b><u>Land Deals, Household Attributes and Quality of Life: The Untold Story from a Rural Community in Nigeria</u></b> (#4437) by <b>Olokoyo, Felicia</b>, Tayo O. George, Uchenna Efobi and Ibukun Beecroft</li> <li>– <b><u>Influencers and Implications of Foreign Land Deals in East African Community: The Case of Uganda</u></b> (#4452) by Osabuohien, Evans, <b>Ciliaka Gitau</b>, Uchenna Efobi and Michael Bruentrup</li> </ul>	<b>BC12</b>

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Time	Event	Location
11:00-12:30	Session #2	B05-B06
	<i>"Climate Adaptation"</i>	
	Chair: Dominique van der Mensbrugghe	
	<ul style="list-style-type: none"><li>– <b><u>Climate Change, Water Resources and Irrigated Crop Yields: A Modeling Framework for Integrated Assessment of the US (#4409)</u></b> by <b>Blanc, Elodie</b>, Erwan Monier, Charles Fant and John Reilly</li><li>– <b><u>The Economic Impact of Global Food Price Increase on Africa Least Developed Countries: An Application of the Common Agricultural Policy Regionalized Impact (CAPRI) Model (#4407)</u></b> by Zongo, Jean-baptiste, Huey-Lin Lee, <b>Shih-Hsun Hsu</b> and Ching-Cheng Chang</li><li>– <b><u>Is Irrigation in Northern Ghana a Good Adaptation Strategy to Climate Change: A CGE-W Study (#4354)</u></b> by <b>Gueneau, Arthur</b> and Sherman Robinson</li></ul>	
11:00-12:30	Session #3	B01
	<i>"Productivity Growth"</i>	
	Chair: Peter Dixon	
	<ul style="list-style-type: none"><li>– <b><u>The Impact of Cropland Productivity on Crop Prices, Deforestation, and Carbon Sequestration Costs (#4490)</u></b> by Choi, Sukwon, Brent Sohngen, Sara Ohrel and <b>Jefferson Cole</b></li><li>– <b><u>The Impacts of Feed-in Tariffs on Innovation: Empirical Evidence from Germany (#4522)</u></b> by <b>Asane-Otoo, Emmanuel</b></li><li>– <b><u>Economics of a productivity enhancing investment - costs and benefits of mitigating water contamination risk (#4415)</u></b> by <b>Simola, Antti</b></li></ul>	

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>11:00-12:30</b>	<b>Session #4</b>  <i><b>"Volatility in Food Markets"</b></i> Chair: Badri Narayanan  – <b><u>Price Volatility Effects of the Special Safeguard Mechanism in the Presence of Specific Tariffs (#4438)</u></b> by <b>Leister, Amanda M.</b> and Badri Narayanan  – <b><u>A Need for Caution in Applying the Volume-Based Special Safeguard Mechanism (#4384)</u></b> by <b>Ivanic, Maros</b> and Will Martin  – <b><u>Grain Price Spikes and Beggar-thy-neighbor Policy Responses (#4446)</u></b> by Anderson, Kym and <b>Hans Grinsted Jensen</b>	<b>C05-C06</b>
<b>11:00-12:30</b>	<b>Session #5</b>  <i><b>"Analysis of Trade and Trade Policy"</b></i> Chair: Khalid Siddig  – <b><u>The impact of corruption on intra-SADC trade in agrifood products (#4533)</u></b> by <b>Makochekanwa, Albert</b>  – <b><u>Achieving Greater Food Security through South-South Trade? – A CGE Analysis of the Potential Impact of Food Trade Liberalisation (#4523)</u></b> by <b>Mold, Andrew</b> , Masuma Farooki, Annalisa Prizzon and Giovanni Valensisi  – <b><u>Grounded! The Impact of Disrupted Transport Networks on International Trade (#4512)</u></b> by <b>Nitsch, Volker</b>	<b>C01</b>

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>11:00-12:30</b>	<b>Session #6</b>  <b><i>"Labor Markets and Migration"</i></b> Chair: S. Amer Ahmed  – <b><u>Gender inequality and labor participation in Indonesia</u></b> (#4434) by Leroy De Morel, Laetitia and Angga Pradesha  – <b><u>MENA Trade Reforms and Employment Impacts</u></b> (#4511) by Dimaranan, Betina  – <b><u>Endogenous determination of migration flows between Africa and European Union by interlinking demographic dynamics and labor market liberalization in a modified version of the GTAP model</u></b> (#4367) by Standardi, Gabriele	<b>Salle Chef de D�el�egation</b>
<b>12:30-14:00</b>	<b>Lunch</b>	<b>Salon Brun</b>
<b>14:00-16:00</b>	<b>Session #7</b>  <b><i>"TTIP"</i></b> Chair: Ken Itakura  – <b><u>The Transatlantic Trade and Investment Partnership: Effects on U.S., EU, and World Agriculture</u></b> (#4540) by Beckman, Jayson, <b>Mary Burfisher</b> , Shawn Arita, Lorraine Mitchell, Suzanne Thornsbury, John Wainio and Steven Zahniser  – <b><u>The Impact of a Free Trade Agreement (FTA) Between Major Asian Economies As a Policy Response to TTIP</u></b> (#4495) by Meyveci Doganay, Seda, <b>Yasin Uzun</b> and Selman Tokpunar  – <b><u>Interaction of TPP and TTIP with Russia-Belarus-Kazakhstan CU trade policy: effects on Russian economy</u></b> (#4447) by Malokostov, Andrey and <b>Natalia Tourdyeva</b>  – <b><u>The Impact Analysis of TTIP on BRICs—based on dynamic GTAP model considering GVC</u></b> (#4385) by <b>Songfeng, Cai</b> and Yaxiong Zhang	<b>BC12</b>

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>14:00-16:00</b>	<b>Session #8 – Organized Session</b>  <i>“Labor, trade, and investment linkages: data, models, and scenarios”</i> Organizer/Chair: Marinos Tsigas  <ul style="list-style-type: none"> <li>– <b><u>The Demographic Structure and Export Strategy in Emerging Economies</u></b> (#4485) by <b>Li, Xin</b></li> <li>– <b><u>Tariff reform and reduction of regulatory barriers faced by domestic and foreign firms: A CGE analysis for female and male workers in Tanzania</u></b> (#4428) by <b>Latorre, María C.</b></li> <li>– <b><u>Improving the Representation of the U.S. in the MyGTAP Model with the Disaggregation of Labor and Households</u></b> (#4368) by <b>Aguiar, Angel, Terrie Walmsley and Caitlyn Carrico</b></li> <li>– <b><u>Estimating Employment Adjustment Costs of Trade Liberalization</u></b> (#4514) by <b>Fetzer, James, Claire Willits and Marinos Tsigas</b></li> </ul>	<b>B05-B06</b>
<b>14:00-16:00</b>	<b>Session #9</b>  <i>“Economy-wide Impacts of Energy and Climate Policies”</i> Chair: Hans van Meijl  <ul style="list-style-type: none"> <li>– <b><u>Effects Of The Changing Energy Policy On The German Economy</u></b> (#4423) by <b>Rothe, Andrea, Scott McDonald and Martin Banse</b></li> <li>– <b><u>Global land use change and greenhouse gas emissions due to recent European biofuel policies</u></b> (#4397) by <b>Escobar Lanzuela, Neus, Badri Narayanan and Wally Tyner</b></li> <li>– <b><u>An Integrated Approach to Energy Modelling in South Africa</u></b> (#4541) by <b>Arndt, Channing, Rob Davies, Konstantin Makrelov, Bruno Merven, Faaiqa Salie and James Thurlow</b></li> <li>– <b><u>The Economy-Wide Rebound Effect and Climate Policy Effectiveness in a Multiregional General Equilibrium Framework</u></b> (#4453) by <b>Parrado, Ramiro</b></li> </ul>	<b>B01</b>

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>14:00-16:00</b>	<b>Session #10</b>  <i><b>"Green Growth"</b></i> Chair: Wally Tyner  <ul style="list-style-type: none"> <li>– <b><u>Socioeconomic impacts of green energy growth policy in Morocco - a general equilibrium analysis (#4470)</u></b>                by <b>Khellaf, Ayache</b>, Abdelaziz Nihou, Abdoul G. Baray, Dominique van der Mensbrugghe, Andrea Liverani and Wally Tyner</li> <li>– <b><u>Deployment of new clean technologies in developing countries in a CGE framework: fostering investments in clean and renewable energy (#4467)</u></b>                by <b>Orecchia, Carlo</b> and Ramiro Parrado</li> <li>– <b><u>Desert Power 2050: Regional and sectoral impacts of renewable electricity production in Europe, the Middle East and North Africa (#4422)</u></b>                by <b>Calzadilla, Alvaro</b>, Manfred Wiebelt, Julian Blohmke and Gernot Klepper</li> <li>– <b><u>Green Growth And Sustainability: Analysing Trade-Offs In Climate Change Policy Options (#4414)</u></b>                by <b>Antimiani, Alessandro</b>, Valeria Costantini, Anil Markandia, Chiara Martini, Alessandro Palma and Maria Cristina Tomassino</li> </ul>	<b>C05-C06</b>
<b>14:00-16:00</b>	<b>Session #11</b>  <i><b>"Economic Growth and Finance"</b></i> Chair: Sébastien Jean  <ul style="list-style-type: none"> <li>– <b><u>Financial Frictions and Exchange Rate Regimes in the Prospective Monetary Union of the ECOWAS Countries (#4546)</u></b>                by <b>Balma, Lacina</b></li> <li>– <b><u>Managing depleting gold revenues in Mali: An assessment of policy options (#4506)</u></b>                by <b>Traore, Fousseini</b> and Calvin Djiofack</li> <li>– <b><u>Uncertainty and Optimal budget price rules from resource windfalls: A DSGE Analysis (#4433)</u></b>                by <b>Dissou, Yazid</b></li> </ul>	<b>C01</b>

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>14:00-16:00</b>	<b>Session #12</b> <i>This session contains presentation(s) delivered in French.</i>  <b><i>“Food Security and Economic Development in Africa”</i></b> Chair: Simon Mevel  – <b><u>Simulation des impacts de la politique d’autosuffisance en riz de l’Afrique de l’ouest (#4491)</u></b> by <b>Goundan, Anatole</b>  – <b><u>Strategie De Developpement Agricole Et Croissance Economique Dans Un Contexte De Liberalisation Commerciale : Analyse A L’aide D’un Modele Dynamique D’equilibre General Calculable Applique A La Cote D’ivoire (#4544)</u></b> by <b>Diallo, Souleymane Sadio</b>	<b>Salle Chef de Délégation</b>
<b>16:00-16:30</b>	<b>Coffee Break</b>	<b>Hotel Forecourt</b> (near hotel lobby)
<b>16:30-18:30</b>	<b>Session #13</b>  <b><i>“Factor Markets, Social Policy and Household Impacts of Trade and Climate”</i></b> Chair: Sherman Robinson  – <b><u>Factor Market Flexibility and the Implications of Trade Policy Reforms (#4509)</u></b> by McDonald, Scott, <b>Karen Thierfelder</b> and Terrie Walmsley  – <b><u>Climate Change, Agriculture and Gender in Latin America: a MIRAGE-CC approach (#4520)</u></b> by <b>Estrades, Carmen</b> and David Laborde  – <b><u>Assessing the General Equilibrium Effect of Social Grants in South Africa (#4539)</u></b> by <b>Chitiga-Mabugu, Margaret</b> , Ramos Mabugu, Ismael Fofana, B. Abidoye and Vandudzai Mbanda  – <b><u>Household Welfare Impact of Trade Liberalization in Nigeria: A Computable General Equilibrium Model (#4449)</u></b> by <b>Okodua, Henry</b>	<b>BC12</b>

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>16:30-18:30</b>	<b>Session #14</b>  <i><b>"Mitigation of Greenhouse Gas Emissions"</b></i> Chair: Justin Caron  – <b><u>The MIT EPPA6 Model: Food Consumption, Energy Use, and GHGs Emissions (#4443)</u></b> by <b>Chen, Y.-H. Henry</b> , Sergey Paltsev, John Reilly and Jennifer Morris  – <b><u>The Drivers of GHG Emissions Intensity Improvements in Major Economies Analysis of Trends 1995-2009 (#4504)</u></b> by <b>Rutherford, Thomas</b> , Madanmohan Ghosh, Deming Luo and Yunfa Zhu  – <b><u>Trade In Carbon And The Effectiveness Of Carbon Tariffs (#4521)</u></b> by <b>Schneider, Jan</b> , Emmanuel Asane-Otoo and Christoph Böhringer  – <b><u>Mitigating Climate Change through Greener Consumption Patterns: an application of the AD-DICE model (#4377)</u></b> by <b>De Bruin, Kelly</b> and Badri Narayanan	<b>B05-B06</b>
<b>16:30-18:30</b>	<b>Session #15 – Organized Session</b>  <i><b>"Tariff Protection: Data and Policy Issues"</b></i> Chair: Mondher Mimouni  – <b><u>Construction of ITC MACMAP tariff dataset (#4419)</u></b> by <b>Pichot, Xavier</b> , Mondher Mimouni, Badri Narayanan and Janine Pelikan  – <b><u>Utilization of preferential tariffs (#4458)</u></b> by <b>Mimouni, Mondher</b> , Xavier Pichot and Badri Narayanan  – <b><u>Compound Tariffs in EU Agriculture: Linking partial and general equilibrium models to get more insights (#4439)</u></b> by <b>Narayanan, Badri</b> and Janine Pelikan	<b>B01</b>

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>16:30-18:30</b>	<b>Session #16</b>  <i>"Modeling Methods for Energy and Food Systems"</i> Chair: Christophe Gouel  – <b><u>Taking into account the evolution of world food demand in CGE simulations of policy reforms: the role of demand systems</u></b> (#4460) by Bouët, Antoine, <b>Fabienne Femenia</b> and David Laborde  – <b><u>Construction of hybrid Input-Output tables for E3 CGE model calibration and consequences on energy policy analysis</u></b> (#4524) by <b>Le Treut, Gaëlle</b> , Emmanuel Combet, Frédéric Gherzi and Julien Lefevre  – <b><u>Impacts of Reducing Global Food Loss and Waste on Food Security, Trade, GHG Emissions and Land Use</u></b> (#4538) by Irfanoglu, Zeynep Burcu, Uris Lantz Baldos, Thomas Hertel and <b>Dominique van der Mensbrugge</b>	<b>C05-C06</b>
<b>16:30-18:30</b>	<b>Session #17</b>  <i>"Poverty, Social Protection and Regional Development"</i> Chair: Denis Medvedev  – <b><u>The Impact of Social Protection on the Local Economy: Results from a Computable General Equilibrium Analysis for Cambodia</u></b> (#4472) by Levy, Stephanie  – <b><u>Semi-subsistence Farm Households and Their Implications for Policy Response</u></b> (#4394) by <b>Aragie, Emerta Asaminew</b> and Scott McDonald  – <b><u>When social goals meet economic goals: the double dividend of extending access to healthcare for farmers in Uganda</u></b> (#4371) by <b>Tankari, Mahamadou Roufahi</b> , Ousmane Badiane and Jean-Marc Montaud  – <b><u>Black and Blue Gold: effects on regional agriculture in Kenya</u></b> (#4488) by <b>Ferrari, Emanuele</b> , Hasan Dudu, Scott McDonald and Rehab O. M. Osman	<b>C01</b>

## **Conference Schedule: Wednesday, June 18**

Presenters, denoted 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.

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>16:30-18:30</b>	<p><b>Session #18</b></p> <p><i>“Agricultural Development, Trade and Land Use”</i></p> <p>Chair: Mary Burfisher</p> <ul style="list-style-type: none"> <li>– <b><u>Greenhouse gas mitigation by agricultural intensification in Brazil.</u></b> (#4473) by Gonçalves da Silva, Jonathan, <b>Joaquim Bento Ferreira-Filho</b> and Mark Horridge</li> <li>– <b><u>Global Land-Use Spillovers of Technological Progress in Agriculture</u></b> (#4425) by Villoria, Nelson</li> <li>– <b><u>The global health impacts of future food scenarios</u></b> (#4526) by Springmann, Marco</li> <li>– <b><u>Patterns of Development. An Update</u></b> (#4516) by Garrido, Leonardo</li> </ul>	<b>Salle Chef de Délégation</b>
<b>18:50-22:30</b>	<p><b>Reception</b></p> <p><i>Transportation from the King Fahd Palace Hotel to the Grand Theatre, with return trips to all designated conference hotels, is provided. See page 7 for details.</i></p> <p><i>Please note that hors d'oeuvres, non-alcoholic beverages and entertainment for this reception are included in the registration fees. A cash bar will be available for alcoholic beverage purchases.</i></p>	<b>Grand Theatre</b>

## **Conference Schedule: Thursday, June 19**

Presenters, denoted 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.

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>08:00-16:00</b>	<b>Onsite Registration</b> <i>Transportation to/from the designated conference hotels and venue is provided.  See page 7 for details.</i>	<b>Registration Desk</b> King Fahd Palace Hotel Level 0
<b>08:30-10:30</b>	<b>Session #19</b>  <i><b>"Energy-Economy Interactions"</b></i> Chair: Joaquim Bento Ferreira-Filho  <ul style="list-style-type: none"> <li>– <b><u>Contribution of biomass to emissions abatement under a global carbon policy (#4510)</u></b> by Winchester, Niven and John Reilly</li> <li>– <b><u>Shale Oil and Gas: Modeling Economic and Environmental Impacts in a Computational General Equilibrium Modeling Framework (#4442)</u></b> by Taheripour, Farzad and Wally Tyner</li> <li>– <b><u>Towards a disaggregated electric power sector in the GTAP data base (#4429)</u></b> by Peters, Jeffrey C. and Thomas Hertel</li> </ul>	<b>BC12</b>
<b>08:30-10:30</b>	<b>Session #20</b>  <i><b>"Agriculture, Policy and Trade"</b></i> Chair: David Laborde  <ul style="list-style-type: none"> <li>– <b><u>Feed - Food - Fuel: A perspective for Africa (#4421)</u></b> by Junker, Franziska, Verena Wolf and Martin Banse</li> <li>– <b><u>Land Market Integration, Structural Change, and Smallholder Farming in Zambia (#4401)</u></b> by Larson, Andrew</li> <li>– <b><u>Sectoral and Food Security Impacts of Agricultural Policy Adjustments in Colombia (#4499)</u></b> by Arguello, Ricardo</li> <li>– <b><u>Challenges to Soya Export Promotion in Malawi: an Application of Net-Map in International Trade and Policy Reform (#4515)</u></b> by Aberman, Noora-Lisa, Brent Edelman and Henry Kankwamba</li> </ul>	<b>B05-B06</b>

## **Conference Schedule: Thursday, June 19**

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>08:30-10:30</b>	<p><b>Session #21 – Organized Session</b>  <i>This session contains presentation(s) delivered in French.</i></p> <p><b><i>“Boosting Intra-African Trade”</i></b>            Organized by: United Nations Economic Commission for Africa            Chair: Simon Mevel</p> <ul style="list-style-type: none"> <li>– <b><u>Manufacturing Export, ICT Infrastructure and Institutions in ECOWAS Countries</u></b> (#4378)              by <b>Osabuohien, Evans</b> and Uchenna Efobi</li> <li>– <b><u>Performance de la chaine portuaire et flux commerciaux: cas du port de Douala</u></b> (#4336)              by Mine, Bertrand</li> <li>– <b><u>Towards West-Africa regional economic integration: Formalizing the informal sector</u></b> (#4424)              by <b>Ogunyemi, Oluwole</b> and Adebayo Adedokun</li> <li>– <b><u>Commerce intra CEMAC et consommation des ménages au Cameroun : analyse par un MEGC</u></b> (#4398)              by Gankou, Fowagap and <b>William Mognol</b></li> </ul>	<b>B01</b>
<b>08:30-10:30</b>	<p><b>Session #22</b></p> <p><b><i>“Economic Growth”</i></b>            Chair: Roberto Roson</p> <ul style="list-style-type: none"> <li>– <b><u>Why can sectoral shocks lead to sizable macroeconomic fluctuations? Assessing alternative theories by means of stochastic simulation with a general equilibrium model</u></b> (#4357)              by <b>Sartori, Martina</b> and Roberto Roson</li> <li>– <b><u>Revisiting the Environmental Kuznets Curve</u></b> (#4417)              by Fernandez-Amador, Octavio, Joseph Francois and <b>Patrick Tomberger</b></li> <li>– <b><u>The Rise of Developing Countries and the Future of Global Saving and Investment</u></b> (#4389)              by <b>Bussolo, Maurizio</b>, Jamus Lim and Maryla Maliszewska</li> <li>– <b><u>Do Product Standards Matter for Margins of Trade? Evidence from Egyptian Firm-Level Data</u></b> (#4349)              by <b>Zaki, Chahir</b>, Rana Hendy and Hoda El Enbaby</li> </ul>	<b>C05-C06</b>

## **Conference Schedule: Thursday, June 19**

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>08:30-10:30</b>	<b>Session #23</b>  <i>"Poverty Analysis"</i> Chair: Hans Lofgren  – <b><u>Implications of high commodity prices on poverty reduction in Ethiopia</u></b> (#4416) by <b>Beyene, Lulit Mitik</b>  – <b><u>Poverty and Food Security in Burkina Faso: Analysis of Dynamics at Work and Impacts of Public Investment in Agriculture</u></b> (#4338) by <b>Zidouemba, Patrice</b> and Francoise Gerard  – <b><u>Reconfiguration Of The Cocoa Industry And Poverty Reduction In Cote D'Ivoire</u></b> (#4365) by <b>Malan, Benoit</b>	<b>C01</b>
<b>08:30-10:30</b>	<b>Session #24</b>  <i>"Non-Tariff Barriers and Regional Integration"</i> Chair: Maros Ivanic  – <b><u>Missed Opportunities: Economic Effects of Potential Deep Trade Integration in the Levant</u></b> (#4383) by <b>Ianchovichina, Elena</b> and Maros Ivanic  – <b><u>Modelling Local Content Requirements: Quantitative Restrictions in a CGE Model</u></b> (#4497) by Stone, Susan, <b>Dorothee Flaig</b> and Frank van Tongeren  – <b><u>The relative significance of EPAs in Asia-Pacific</u></b> (#4341) by <b>Kawasaki, Kenichi</b>  – <b><u>Reducing Trade Costs in East Africa: Deep Regional Integration and Multilateral Action</u></b> (#4418) by Balistreri, Edward J., <b>David Tarr</b> and Hidemichi Yonezawa	<b>Salle Chef de D�el�egation</b>
<b>10:30-11:00</b>	<b>Coffee Break</b>	<b>Hotel Forecourt</b> (near hotel lobby)

## **Conference Schedule: Thursday, June 19**

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>11:00-12:30</b>	<b>Session #25</b>  <i><b>"Labor Issues"</b></i> Chair: Angel Aguiar  <ul style="list-style-type: none"> <li>- <b><u>Futures of agriculture and food systems: impacts on rural job dynamics in SSA (#4529)</u></b> by <b>Douillet, Mathilde</b> and Carmen Estrades</li> <li>- <b><u>The coming wave of educated workers: size and impact on global inequality (#4471)</u></b> by Bussolo, Maurizio, <b>Marcio Cruz</b>, Maryla Maliszewska, S. Amer Ahmed and Israel Osorio Rodarte</li> <li>- <b><u>GIDD Sectoral Wage Bill Database by workers' skill level (#4503)</u></b> by <b>Osorio Rodarte, Israel</b> and Marcio Cruz</li> </ul>	<b>BC12</b>
<b>11:00-12:30</b>	<b>Session #26 - Organized Session</b>  <i><b>"Improvements in Modelling Supply Chains: Developments in Model Structure"</b></i> Organized by: Susan Stone Chair: Frank van Tongeren  <ul style="list-style-type: none"> <li>- <b><u>Potential Implications of China's Rebalancing on China, the United States, and the Bilateral Economic Relationship (#4444)</u></b> by Koopman, Bob, Alexander Hammer, Lin Jones and <b>Marinos Tsigas</b></li> <li>- <b><u>Global value chains and the cost of protection (#4493)</u></b> by <b>Stone, Susan</b>, Dorothee Flaig and Frank van Tongeren</li> <li>- <b><u>A Dynamic WIOD CGE Model (#4530)</u></b> by <b>Cretegny, Laurent</b> and Ashley Winston</li> <li>- Discussant: Sherman Robinson</li> </ul>	<b>B05-B06</b>

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>11:00-12:30</b>	<b>Session #27 – Organized Session</b>  <i>“Africa’s Prospects for Shared Prosperity: Accounting for Structural Transformation and Regional Integration”</i> Organized by: S. Amer Ahmed Chair: Antoine Bouët  – <b><u>How significant is Africa’s Demographic Dividend for Its Future Growth and Poverty? (#4440)</u></b> by <b>Ahmed, S. Amer</b> , Marcio Cruz, Delfin Go, Maryla Maliszewska and Israel Osorio Rodarte  – <b><u>Tripartite FTA: Economic and poverty implications (#4531)</u></b> by Go, Delfin, <b>Maryla Maliszewska</b> and David Tarr  – <b><u>Analyzing country strategies for structural transformation, poverty eradication and shared prosperity: Method and application (#4392)</u></b> by <b>Lofgren, Hans</b> and Martin Cicowiez  – Discussant: Stephen Karingi	<b>B01</b>
<b>11:00-12:30</b>	<b>Session #28</b>  <i>“Analysis of Demography and Inequality”</i> Chair: Kathryn Kincheloe  – <b><u>Varying mark-ups and income inequality in an open economy (#4366)</u></b> by <b>Tamminen, Saara</b>  – <b><u>Demographic Transition, Education, and Inequality in India (#4505)</u></b> by <b>Medvedev, Denis</b> , Maurizio Bussolo and Kathryn Vasilaky  – <b><u>Ageing and Consumer Spending: Some Preliminary Findings from India and China (#4388)</u></b> by <b>Deb, Surajit</b>	<b>C05-C06</b>

## Conference Schedule: Thursday, June 19

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<b>Time</b>	<b>Event</b>	<b>Location</b>
11:00-12:30	<b>Session #29</b>  <i>"Trade Modeling"</i> Chair: Alessandro Antimiani  – <b><u>The Effect of Aggregation Bias: an NTB-Modeling Exercise for Turkey's Agro-food Trade with the EU (#4500)</u></b> by <b>Bektasoglu, Beyhan</b> , Tanja Engelbert and Martina Brockmeier  – <b><u>Trade liberalization gains under different trade theories: A case study for Ukraine (#4477)</u></b> by <b>Olekseyuk, Zoryana</b> and Edward J. Balistreri  – <b><u>Firm Heterogeneity in Multiple Sector Models with Intermediate Linkages (#4456)</u></b> by <b>Bekkers, Eddy</b> and Joseph Francois	C01
11:00-12:30	<b>Session #30</b>  <i>"Regional Integration"</i> Chair: David Vanzetti  – <b><u>Sector-specific bilateral trade and currency unions (#4404)</u></b> by <b>Whitten, Gregory</b>  – <b><u>Agricultural Market Integration of China and its Implications for Food Security (#4489)</u></b> by <b>Yang, Fan</b> , Martina Brockmeier and Eddy Bekkers	Salle Chef de D�el�egation
12:30-14:00	<b>Lunch</b>	Salon Brun

## **Conference Schedule: Thursday, June 19**

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>14:00-16:00</b>	<b>Session #31</b>  <i>"Trade Policy and Regional Trade Agreements"</i> Chair: Anna Strutt  – <b><u>What Has Regionalism Left to Multilateralism to Negotiate On? Trade and Protection Effects of a Decade of Preferential Trade Agreements</u></b> (#4406) by Bureau, Christophe, Houssein Guimbard and <b>Sébastien Jean</b>  – <b><u>What is the appropriate counterfactual when estimating effects of multilateral trade policy reform?</u></b> (#4457) by Anderson, Kym, Hans Grinsted Jensen, <b>Signe Nelgen</b> and Anna Strutt  – <b><u>Rules of origin, labour standards and the TPP</u></b> (#4413) by <b>Vanzetti, David</b> and Huong Thi Lan Pham  – <b><u>Can The Tripartite Free Trade Area (TFTA) deliver effective and real trade liberalization for economic growth?</u></b> (#4537) by Inama, Stefano and <b>Pramila Crivelli</b>	<b>BC12</b>
<b>14:00-16:00</b>	<b>Session #32</b>  <i>"Trade Modeling and Methods"</i> Chair: Elena Ianchoyichina  – <b><u>Trade Under the Threat of Tariff Hikes in General Equilibrium</u></b> (#4432) by <b>Deason, Lauren</b>  – <b><u>Variety Gains from Trade Integration in Europe</u></b> (#4502) by <b>Kancs, d'Artis</b> and Damiaan Persyn  – <b><u>Validating CGE Models employing an Historical approach</u></b> (#4390) by <b>Van Dijk, Michiel</b> , Geert Woltjer and George Philippidis  – <b><u>How has "Turkey's Africa Strategy" been Affecting Turkey's Exports to Africa?: Evidence from Firm Level Data for 2003-2012 and A Non-Linear Gravity Model</u></b> (#4331) by <b>Akel, A.Emre</b>	<b>B05-B06</b>

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>14:00-16:00</b>	<b>Session #33</b>  <i><b>"Climate Impacts and GHG Policies"</b></i> Chair: Philip Adams  – <b><u>Economic Globalization, Global energy issues and Climate Change A Chinese perspective (#4351)</u></b> by <b>Hamdi-Cherif, Meriem</b> and Henri-David Waisman  – <b><u>The CO2 Content Of Consumption Across US Regions: A Multi-Regional Input-Output (MRIO) Approach (#4474)</u></b> by <b>Caron, Justin</b> , Gilbert Metcalf and John Reilly  – <b><u>The incidence of a carbon tax - a dynamic CGE study (#4386)</u></b> by <b>van Heerden, Jan</b> and Heinrich Bohlmann  – <b><u>Uncertainty in future costs of key CO2 abatement technologies: A sensitivity analysis for the global CGE model DART (#4480)</u></b> by <b>Weitzel, Matthias</b>	<b>B01</b>
<b>14:00-16:00</b>	<b>Session #34</b>  <i><b>"African Growth and Trade"</b></i> Chair: Betina Dimaranan  – <b><u>Impact of EU agricultural policy on developing countries: A Uganda case study (#4496)</u></b> by <b>Boysen, Ole</b> , Hans Grinsted Jensen and Alan Matthews  – <b><u>CAADP Policies in West Africa: An activity-based CGE perspective (#4513)</u></b> by <b>Mueller, Marc</b> , Emanuele Ferrari and George Philippidis  – <b><u>The African Growth and Opportunity Act: An Empirical Analysis of the Possibilities Post-2015 (#4355)</u></b> by <b>Mewel, Simon</b> , Zenia Lewis, Mwangi Kimenyi, Stephen Karingi and Anne Kamau  – <b><u>Modelling the economic contribution of livestock to households in African countries - what data do we have and what do we still need? (#4461)</u></b> by <b>Gonzalez-Mellado, Aida</b> , Christian Kuhlitz and Petra Salamon	<b>C05-C06</b>

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>14:00-16:00</b>	<b>Session #35 – Organized Session</b> <i>This session contains presentation(s) delivered in French.</i>  <b><i>“Trade Liberalization and Economic Development in Africa”</i></b> Organized by: African Growth and Development Policy Modeling Consortium World Trade Organization Chair: Mustapha Sadni Jallab  – <b><u>Trade Liberalization and Food Security: For a new green revolution in Africa</u></b> (#4348) by <b>Nguema, Ismaelline Eba</b> and Giscard Assoumou Ella  – <b><u>Diversification towards high value export production, farm household productivity and efficiency in Senegal</u></b> (#4373) by <b>Dedehouanou, Senakpon</b>  – <b><u>Diversification and Sophistication as drivers of structural transformation for Africa: The economic complexity of African countries</u></b> (#4396) by <b>Yameogo, Nadege Desiree</b> , Tiguéné Nabassaga, Bassirou Amadou Diallo, Abebe Shimeles and Mthuli Ncube  – <b><u>Agricultural Productivity Growth in Sub-Saharan Africa, 1990-2010: the role of Investment, Governance and Trade</u></b> (#4448) by <b>Shittu, Adebayo</b> and Agatha Odine	<b>C01</b>

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>14:00-16:00</b>	<b>Session #36</b>  <i>"Foreign Investment in Land and Microfinance; Regulation of Food and Energy Markets"</i> Chair: Martin Banse  – <b><u>Understanding dynamism of land ownership, use and patterns of allocation for the locals before inviting foreign investors: the Ugandan case (#4403)</u></b> by <b>Mwaura, Francis</b>  – <b><u>The role of microfinance institutions in supporting women microenterprises in urban Sudan (#4454)</u></b> by Siddig, Khadra, <b>Khalid Siddig</b> and Mohamed Osman Hegazi  – <b><u>Staple foods market regulation in Algeria, what is the alternative policy? A CGE analysis. (#4334)</u></b> by <b>Hamadache, Hilel</b> and Sophie Drogué  – <b><u>A CGE assessment of carbon pricing with regulated electricity price in China (#4410)</u></b> by <b>Li, Jifeng</b> , Xin Wang and Yaxiong Zhang	<b>Salle Chef de Délégation</b>
<b>16:00-16:30</b>	<b>Coffee Break</b>	<b>Hotel Forecourt</b> (near hotel lobby)
<b>16:30-18:00</b>	<b>Plenary Session</b>  <i>"Trade and Environment"</i> Chair: Sébastien Jean  – <b><u>Gravity in General Equilibrium Modeling: New Frictions, New Index Numbers (#4572)</u></b> by <b>Anderson, James</b>  – <b><u>Assessing post 2020 climate agreements in the major economies: new insights from the field of global energy-economy-environment models</u></b> by <b>Tavoni, Massimo</b>	<b>BC12</b>

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>18:00-21:00</b>	<b>Reception</b> <i>Transportation from the King Fahd Palace Hotel to all designated conference hotels is provided. See page 7 for details.</i>	<b>Salon Brun</b> King Fahd Palace
	<i>Please note that hors d'oeuvres as well as alcoholic and non-alcoholic beverages for this reception are included in the registration fees.</i>	
	<b>Award Ceremony</b> Partnering Organization Recognition <i>Presented by the Center for Global Trade Analysis for outstanding leadership and support of the 17<sup>th</sup> Annual Conference on Global Economic Analysis</i>	
	2014 Alan A. Powell Award <i>Presented by the Center for Global Trade Analysis for outstanding service of a representative currently serving on the GTAP Advisory Board</i>	
	2014-2017 GTAP Research Fellows <i>Presented by the Center for Global Trade Analysis in recognition of significant contributions to the development of GTAP through:</i> <ul style="list-style-type: none"><li>– <i>contributions to the GTAP Data Base</i></li><li>– <i>contributions to the development of GTAP Models and software</i></li><li>– <i>outstanding research using the GTAP Data Base and/or models</i></li><li>– <i>contributions in advancing the use of GTAP and broadening the GTAP Network</i></li></ul>	

## Conference Schedule: Friday, June 20

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Time	Event	Location
08:30-10:30	<p><b>Session #37 – Organized Session</b></p> <p><i>“Food Security and International Trade”</i>            Organized by: Maximo Torero and Antoine Bouët            Chair: Antoine Bouët</p> <ul style="list-style-type: none"> <li>– <b><u>Trade policy coordination and food price volatility</u></b> (#4468) by Gouel, Christophe</li> <li>– <b><u>Food Security and International Trade: a Key Issue during the Negotiation of the Doha Round</u></b> (#4332) by Diaz-Bonilla, Eugenio</li> <li>– <b><u>Assessing the Role of International Trade in Food Security and Nutrition: Where We Are, Where We Have Been</u></b> (#4542) by Laborde, David</li> <li>– <b><u>Relative prices of food and agricultural commodities volatility: nonparametric evidence for a panel of developing economies</u></b> (#4543) by Martins-Filho, Carlos and Maximo Torero</li> </ul>	BC12
08:30-10:30	<p><b>Session #38</b></p> <p><i>“Economic Growth and Trade in Africa”</i>            Chair: Marcio Cruz</p> <ul style="list-style-type: none"> <li>– <b><u>What does the future hold for the poor in Ghana?</u></b> (#4487) by Van Dijk, Michiel, Marijke Kuiper, Lindsay Shutes and <b>Hans van Meijl</b></li> <li>– <b><u>Real effective exchange rate and trade balance in Senegal: cointegration analysis and J-curve test</u></b> (#4436) by Ndong, Benjamin</li> <li>– <b><u>Effects of a Green Revolution in Africa on EU-African Trade Relations</u></b> (#4486) by Dudu, Hasan, Cristina Vinyes and Emanuele Ferrari</li> <li>– <b><u>Standards and Food Exports in a South - North Trade: Evidence from the ‘Hurdles to Pass’ for High-Value Products</u></b> (#4387) by Kareem, Olayinka</li> </ul>	B05-B06

## Conference Schedule: Friday, June 20

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>08:30-10:30</b>	<b>Session #39</b>  <i>"Economy-wide Impacts of Climate Change"</i> Chair: Shih-Hsun Hsu  – <b><u>The Impact of Regionally Differentiated Climate Change on Agricultural Markets in Ethiopia: Combining Climate and Economic Models (#4518)</u></b> by <b>Grethe, Harald</b> and Khalid Siddig  – <b><u>On the macro-economic impacts of climate change under cognitive limitations (#4350)</u></b> by <b>Gohin, Alex</b> and Ruixuan Cao  – <b><u>Could Free Trade Alleviate Effects of Climate Change: A Global Analysis with Emphasis on Morocco and Turkey (#4441)</u></b> by <b>Ouraich, Ismail</b> , Hasan Dudu, Wally Tyner and Erol Çakmak	<b>B01</b>
<b>08:30-10:30</b>	<b>Session #40</b>  <i>"Modeling Methods"</i> Chair: Philip Adams  – <b><u>R-2-3, A Simple Global CGE Model to Analyze Macroeconomic Links (#4427)</u></b> by <b>McDonald, Scott</b>  – <b><u>Estimating Behavioral Parameters and Shifts in Economic Structure in CGE Models Using an Information-Theoretic Cross-Entropy Estimation Approach (#4508)</u></b> by <b>Robinson, Sherman</b>  – <b><u>Assessing the Economywide Effects of Development Interventions: An Analytical Framework Applied to the South African Child Support Grant (#4376)</u></b> by <b>Fofana, Ismael</b> , Margaret Chitiga-Mabugu, Babatunde Abidoye, Ramos Mabugu, Vandudzai Mbanda and Stewart Ngandu  – <b><u>Linking GTAP to national country models: A tale of two approaches (#4532)</u></b> by <b>Corong, Erwin</b>	<b>C05-C06</b>

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Time	Event	Location
08:30-10:30	<p><b>Session #41</b></p> <p><i><b>"Firm Heterogeneity in CGE Models"</b></i> Chair: Nelson Villoria</p> <ul style="list-style-type: none"> <li>– <b><u>Modern trade theory for CGE modelling: the Armington, Krugman and Melitz models (#4402)</u></b> by <b>Dixon, Peter</b>, Michael Jerie and Maureen Rimmer</li> <li>– <b><u>Behavioral Characteristics of Applied General Equilibrium Models with an Armington-Krugman-Melitz Encompassing Module (#4459)</u></b> by <b>Oyamada, Kazuhiko</b></li> <li>– <b><u>Introducing Firm Heterogeneity into the GTAP Model with an Illustration in the Context of the Trans-Pacific Partnership Agreement (#4445)</u></b> by <b>Akgul, Zeynep</b>, Nelson Villoria and Thomas Hertel</li> <li>– <b><u>Introducing Melitz-Style Firm Heterogeneity in CGE Models: Technical Aspects and Implications (#4356)</u></b> by <b>Roson, Roberto</b> and Kazuhiko Oyamada</li> </ul>	C01
08:30-10:30	<p><b>Session #42 – Organized Session</b> <i>This session contains presentation(s) delivered in French.</i></p> <p><i><b>"International Trade, Land and Food Security in Africa"</b></i> Organized by: United Nations Economic Commission for Africa Chair: Stephen Karingi</p> <ul style="list-style-type: none"> <li>– <b><u>Food Price Volatility implications for Trade and Monetary Policy between Nigeria and CEMAC: a Bayesian DSGE model approach (#4382)</u></b> by <b>Kame Babilla, Thierry</b></li> <li>– <b><u>Commerce intra-régional et croissance économique: quels enjeux pour la sécurité alimentaire dans l'espace CEMAC? (#4481)</u></b> by <b>Fouda, Yannick</b></li> <li>– <b><u>Normes SPS et compétitivité-qualité de la filière fruits et légumes frais au Sénégal (#4465)</u></b> by <b>Guèye, Adama</b></li> <li>– <b><u>Flux d'investissements directs étrangers, accès à la terre et marché foncier au Cameroun, stimulus pour le commerce intra-régional (#4399)</u></b> by <b>Feubi Pamen, Eric Patrick</b>, Christophe Raoul Besso, Jean Aristide Biloa Essimi and Albert Ze</li> </ul>	Salle Chef de Délégation

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<b>Time</b>	<b>Event</b>	<b>Location</b>
10:30-11:00	Coffee Break	Hotel Forecourt (near hotel lobby)
11:00-12:30	<p><b>Session #43 – Organized Session</b></p> <p><i>“Public procurement – new developments in data collection, modelling tools and policy analysis”</i> Chair: Lucian Cernat</p> <ul style="list-style-type: none"> <li>– <b><u>Import Penetration in Public Procurement: Lessons from Current Data Reporting Efforts</u></b> (#4475) by <b>Hoekman, Bernard</b></li> <li>– <b><u>Determinants of direct cross-border public procurement in EU Member States</u></b> (#4479) by <b>Kutlina-Dimitrova, Zornitsa</b> and <b>Csilla Lakatos</b></li> <li>– <b><u>Improving the Representation of Public Procurement in the GTAP Framework</u></b> (#4527) by <b>Aguiar, Angel</b></li> </ul>	BC12
11:00-12:30	<p><b>Session #44</b></p> <p><i>“Distributional Impacts of Climate Policy”</i> Chair: Niven Winchester</p> <ul style="list-style-type: none"> <li>– <b><u>A Carbon Tax and the Risk of Inequity</u></b> (#4372) by <b>Combet, Emmanuel</b>, <b>Frédéric Gherzi</b>, <b>Jean-Charles Hourcade</b> and <b>Camille Thubin</b></li> <li>– <b><u>The distributional impacts of reducing fossil fuel subsidies in Indonesia</u></b> (#4426) by <b>Durand-Lasserre, Olivier</b>, <b>Lorenza Campagnolo</b>, <b>Jean Chateau</b> and <b>Rob Dellink</b></li> <li>– <b><u>Forest Carbon Sequestration Incentive And Poverty: Evidence From Ethiopia</u></b> (#4411) by <b>Hussein, Zekarias</b> and <b>Terrie Walmsley</b></li> </ul>	B05-B06

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>11:00-12:30</b>	<b>Session #45</b>  <i>"Water and Environmental Issues"</i> Chair: Elodie Blanc  – <b><u>Water Scarcity and Irrigation Efficiency in Egypt (#4501)</u></b> by <b>Osman, Rehab O. M.</b> , Emanuele Ferrari and Scott McDonald  – <b><u>The Impact of Trade Liberalization and Removal of Non-Tariff Barriers on Water Use and Agricultural Production: A CGE Analysis of the Nile Basin Countries (#4391)</u></b> by <b>Kahsay, Tewodros</b> , Onno Kuik, Roy Brouwer and Pieter van der Zaag  – <b><u>Competitiveness modelling for air quality policies in the EU (#4494)</u></b> by Abrell, Jan, Frederik Neuwahl, <b>Bert Saveyn</b> , Zoi Vrontisi and Fabian Wagner	<b>B01</b>
<b>11:00-12:30</b>	<b>Session #46</b>  <i>"Trade Facilitation"</i> Chair: Laurent Creteigny  – <b><u>Impact of Liberalization and Improved Connectivity and Facilitation in ASEAN (#4478)</u></b> by <b>Itakura, Ken</b>  – <b><u>Trade Facilitation and Trade Flows in Africa (#4408)</u></b> by <b>Seck, Abdoulaye</b>  – <b><u>Competitiveness and Macroeconomic Impacts of Reduced Wait Times at U.S. Land Freight Border Crossings (#4359)</u></b> by Avetisyan, Misak, Nathaniel Heatwole, <b>Adam Rose</b> and Bryan Roberts	<b>C05-C06</b>

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Time	Event	Location
11:00-12:30	<b>Session #47</b>  <i>"Trade Topics"</i> Chair: Amanda Leister  – <b><u>Melting Ice Caps: Trade implications for the North Western Route and the Panama Canal</u></b> (#4464) by Francois, Joseph, Amanda M. Leister and <b>Hugo Rojas-Romagosa</b>  – <b><u>Bali and the Projected Impacts of Enhanced Trade Facilitation on Poor Households in Africa</u></b> (#4528) by Minor, Peter, <b>Anna Strutt</b> and Terrie Walmsley  – <b><u>Free Trade Agreements, Rules of Origin and Re-exports: The Case of the UAE</u></b> (#4525) by <b>Mahate, Ashraf Ali</b> and Badri Narayanan	C01
11:00-12:30	<b>Session #48</b>  <i>"Regional Trade Agreements in Africa"</i> Chair: Badri Narayanan  – <b><u>Can reciprocal tariff elimination reduce the welfare losses due to lagging labour productivity?: An analysis of reciprocal preferential trade access between Sub-Saharan Africa and industrialized countries</u></b> (#4466) by <b>Rakotoarisoa, Manitra</b> , Sangeeta Khorana and Badri Narayanan  – <b><u>Effect of the COMESA-SADC-EAC FTA on the East African Region: Towards a New Economic Geography</u></b> (#4393) by <b>Mukwaya, Rodgers</b> and Andrew Mold  – <b><u>Liberalized World Trade and Food Import under Foreign Exchange Constraints in the CFAs Franc Zone of Sub-Saharan Africa (SSA)</u></b> (#4362) by <b>Sene, Seydina</b>	Salle Chef de D�el�egation
12:30-14:00	<b>Lunch</b>	Salon Brun

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<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>14:00-15:30</b>	<b>Plenary Session</b>  <i>"Building Economic Modeling Capacity in Africa"</i> Chair: Thomas Hertel  – <b>Building Modeling Capacities to Support Evidence-based Policy Planning and Implementation in Africa</b> by <b>Badiane, Ousmane</b>  – <b>Building Trade Capacity in the WTO</b> by <b>Smeets, Maarten</b>	<b>BC12</b>
<b>15:30-16:00</b>	<b>Closing Ceremony</b> Chair: Thomas Hertel  – <b>2014 Conference Recognitions</b> by <b>Hertel, Thomas</b>  – <b>2015 Conference Preview</b> by <b>Adams, Philip</b>	<b>BC12</b>

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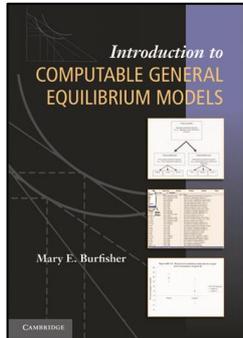
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## **GTAP 101 Course**

*“Introduction to Computable General Equilibrium Modeling”*



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

### **General Information**

Date: September 15 - October 25, 2014  
Location: Online  
Offered by: Center for Global Trade Analysis, Purdue University  
Cost: \$1,150 (Developed Country Professionals)  
\$600 (Developing Country Professionals and Students)

### **Apply through July 6 at:**

<http://www.gtap.agecon.purdue.edu/events/GTAP101/2014-2/>

### **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 fully delivered online, and is supported by the textbook, Introduction to Computable General Equilibrium Models (Burfisher, 2011), which will be provided to all participants. Additional learning resources include audio lectures, guided video simulations, and assessments. Much of the learning will take place through active discussions among the participants and instructor, which are carried out as asynchronous, threaded conversations on the classroom bulletin board. Topics covered in this course include: Database, Demand, Supply, Factor Markets, Trade and Taxes. The course culminates in a group research project which provides participants with a hands-on opportunity to carry out a model experiment and analyze its economy-wide effects.

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