

2016 CEAR Conference

Food Security and Sustainable Supply Chains

Thursday and Friday, September 8th and 9th, 2016

General Information

Almost a billion people suffer from chronic hunger and malnutrition, and global food production will need to be doubled by 2050 to meet global demand. Achieving this goal requires the creation of new frameworks for inclusion of small farm-holders in local-to-global supply chains, and the development of risk sharing arrangements reducing the vulnerability to climate risk and enabling access to resilient production technologies. This workshop brings together researchers offering innovative ideas on how to create risk-based sustainable, resilient, and inclusive supply chain models delivering global food security. We expect researchers from a variety of disciplines will find this workshop of interest, including economics, finance, operations management, financial engineering, insurance and actuarial science.

The workshop will consist of ten plenary sessions of an hour including discussion and Q&A. The workshop is organized jointly with the Grantham Institute / Climate-KIC at Imperial College London.

Organizers

Enrico Biffis (Georgia State University & Imperial College London) and Yusen Xia (Georgia State University) are the organizers of this workshop.

Contact Enrico at ebiffis@gsu.edu with questions about the workshop's program, and CEAR at cear@gsu.edu with questions regarding participation and logistics.

Sponsors and Funding

The conference is sponsored by the Center for the Economic Analysis of Risk (CEAR), located in the J. Mack Robinson College of Business at Georgia State University. Go to cear.gsu.edu for more information on CEAR.

Location

The workshop will be held in the CEAR Seminar Room, which is located on the 11th floor of the J. Mack Robinson College of Business at Georgia State University. Here is a map link to [CEAR](#); the physical address is 35 Broad Street NW, **11th Floor**, Atlanta, GA 30303. Please use the street level entrance on Broad Street.

Directions

MARTA Subway:

35 Broad Street is located 1 block northwest of the Five Points Marta Rail Station in Downtown Atlanta; the station is located at the intersection of all metro lines. One-way Rail Rides cost \$2.50, and multiple-day passes are also available for purchase. Tickets can be easily purchased from vending machines at all MARTA stations. This is by far the easiest method, and is on a direct line to Atlanta International Airport. Here is a map of the [MARTA rail system](#).

Driving:

From Interstate 75/85 (the connector) **going NORTH** take exit 248B for Edgewood Ave toward Auburn Ave / J W Dobbs Ave. Turn left at Edgewood Ave SE and proceed 0.6 miles. Turn left onto Park Pl. SE / Pryor St. SE. At the FIRST cross street, turn right onto Decatur St. SE. Continue onto Marietta St. NW. The next intersection is Broad St. and is where our facility is located. There is no street parking available nearby; however, there are pay lots and garages nearby. Costs range from \$5 to \$10 depending on the lot/garage used.

From Interstate 75/85 (the connector) **going SOUTH** take exit 248D for J W Dobbs Ave toward Jesse Hill Dr. Use the right lane to keep right at the fork and stay on Exit 248D. Turn right onto John Wesley Dobbs Ave NE, and proceed for 0.2 miles. Turn left onto Courtland St. NE, and continue for 0.2 miles. Turn right onto Edgewood Ave SE and proceed 0.3 miles. Turn left onto Park Pl. SE / Pryor St. SE. At the FIRST cross street, turn right onto Decatur St. SE. Continue onto Marietta St. NW. The next intersection is Broad St. and where our facility is located. There is no street parking available nearby; however, there are pay lots and garages nearby. Costs range from \$5 to \$10 depending on the lot/garage used.

Parking *(one option)*

There is covered, pay for parking at Lanier Public Parking lot located at 150 Carnegie Way; Atlanta, GA 30303. The lot is about 5 blocks away from the workshop site at 35 Broad Street. Google Maps walking instructions from the parking lot to 35 Broad Street [here](#).

Lodging

CEAR recommends lodging at The Ellis Hotel, which is walking distance to workshop. See walking directions [here](#). The Ellis's information: 176 Peachtree Street Northwest, Atlanta, GA 30303. (404) 523-5155 ellishotel.com.

PROGRAM – Thursday, September 8, 2016

09:20 – 09:50 Coffee and light breakfast (provided)

09:50 – 10:00 Welcome and Introduction – Enrico Biffis (GSU)

Session 1. Chair: George Zanjani (GSU)

10:00 – 11:00 *Enhancing the diffusion of information about agricultural technology*
Kyle Emerick (Tufts)

11:00 – 12:00 *Social protection in the face of climate change: Targeting principles and financing mechanisms*
Sarah Janzen (Montana State)

12:00 – 13:00 Lunch (provided)

Session 2. Chair: Glenn Harrison (CEAR/GSU)

13:00 – 14:00 *Improving yields in Mexico*
Xavier Gine (World Bank)

14:00 – 15:00 *Market Linkages, Trade Costs and Technology Adoption in Rural Tanzania*
Jonathan Robinson (UC Santa Cruz)

15:00 – 15:30 Coffee Break (provided)

Session 3. Chair: Alejandro Del Valle (GSU)

15:30 – 16:30 *New agricultural procurement and subsidy programs to sustain food security in India*
Tess Russo (Penn State)

16:30 – 17:30 *Satellite data and machine learning for weather risk management and food security*
Erik Chavez (Imperial College London)

18:00 – TDB Conference Reception and Dinner; invited guests and attendees.

PROGRAM – Friday, September 9, 2016

09:30 – 10:00 Coffee and light breakfast (provided)

Session 4. Chair: Yusen Xia (GSU)

10:00 – 11:00 *Modeling the effects of inhomogeneous supply delays on production networks*
Michael Ghil (UCLA and ENS Paris)

11:00 – 12:00 *Interacting food, energy, water, climate/famine and political dynamics in India*
Upmanu Lall (Columbia)

12:00 – 13:00 Lunch (provided)

Session 5. Chair: Liang Peng (GSU)

13:00 – 14:00 *Evolution of supply networks in food production and beyond*
Nikolay Osadchiy (Emory)

14:00 – 15:00 *Integrated risk sharing solutions to unlock access to finance for smallholder farmers*
Martijn van Vliet (Rabobank)

15:00 – 15:30 Closing Remarks