



- 8:00 AM **Welcome and Introductions**
- 8:30-9:30 **Session 1. Innovation Systems and Industry Transitions**
Greg Graff, moderator
- David Zilberman et al, University of California Berkeley
Introducing Credit Considerations to Innovation Systems
 - Zhen Lei et al, Penn State University
The Risks of Redundancy: Coal Mining Decline and Opioid Overdose Mortality
- 9:30-10:00 **Coffee break**
- 10:00-12:00 **Session 3. Innovation and Environmental Sustainability**
Ariel Ortiz-Bobea, moderator (invited)
- A. Gatto, M. Kuiper & H. Van Meijl, Wageningen University
Healthier but Wasteful? Changes in food loss and waste along global supply chains with a healthy diet
 - Steven Wilcox, Chris Barrett, et al, Cornell University
The Environmental Impacts of Microfinance: An Empirical Study of Index-Based Livestock Insurance and East African Rangelands
 - Tassinari G.^{1,2}, Boccaletti S.², Drabik D.¹, and Soregaroli C.², 1. Wageningen University and 2. Università Cattolica del Sacro Cuore
Assessing Impacts of Bio-Based Projects Using Hybrid Input-Output Approach in Conjunction with Monte Carlo Simulation: The Case of Nutrient Recovery from Sewage Sludge
 - Qinan Lu, Guanming Shi, Corbett Grainger, University of Wisconsin
Biotechnology, Environmental Stress, and Agricultural Productivity
- 12:00 – 1:00 **Lunch and NC1034 Annual Business Meeting**
Anne Dorrance, NC1034 Advisor

1:00-2:30 **Session 2. Genetic Innovation and Agricultural Productivity**

Brian Wright, moderator

- Haiyan Deng, Yu Sheng, Changxin Yu and Carl E. Pray, Rutgers University
Assessing the Impact of GMO Adoption on Agricultural Total Factor Productivity: A Global View
- Victor Funes and Jared Hutchins, University of Illinois
The Price of Fame: The Effect of Award-Winning Pedigrees on the Price of Livestock Genetics
- Yoko Kusunose, University of Kentucky, et al
Sustaining Productivity Improvement in the Face of Climate Change: A Research Agenda for U.S. Wheat

2:30-3:00 **Refreshment break**

3:00-4:30 **Session 4. Agricultural Productivity and Innovation**

Jim MacDonald, moderator

- Gregory Graff^{1,3}, Charles De Grazia², and Nicholas Rada³, 1. Colorado State University, 2. Leonard de Vinci Business School, and 3. Office of the Chief Economist, US Patent and Trademark Office
The Scope of Technological Innovations Funded by Venture Capital in the Agri-Food Sectors
- Kelly Nelson and Keith Fuglie, USDA Economic Research Service,
Public Agricultural Research and Development
- Sun Ling Wang, Roberto Mosheim, Eric Njuki, and Richard Nehring, USDA Economic Research Service
U.S. Agricultural Productivity Growth and its Drivers

Evening social gathering at the Anaheim Packing House (optional, not included in registration)

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

5:30 – 6:30 **Informal reception**

6:30 – 8:00 **Dinner**

Anaheim Packing House

440 S. Anaheim Blvd, Anaheim, CA 92805

