

Second Annual NSF Conference on Network Science in Economics

April 22-24, 2016

Landau Economics Building
Stanford University

FRIDAY, APRIL 22, 2016

ECONOMETRICS OF NETWORKS – LUCAS CONFERENCE ROOM A

10:15-10:45 am	<i>Exclusion Bias in the Estimation of Peer Effects</i> , Bet Caeyers and Marcel Fafchamps
10:45-11:15 am	Coffee Break
11:15 am-12:00 pm	<i>Exact p-values for Network Inference</i> , Susan Athey , Dean Eckles, and Guido W. Imbens
12:00-1:30 pm	Lunch
1:30-2:15 pm	<i>A Weak Law for Moments of Pairwise-Stable Networks</i> , Michael P. Leung
2:15-2:45 pm	Coffee Break
2:45-3:30 pm	<i>A Network Formation Model Based on Subgraphs</i> , Arun Chandrasekhar and Matthew O. Jackson
3:30-4:00 pm	Coffee Break
4:00-4:45 pm	<i>Estimating the Structure of Social Interactions Using Panel Data</i> , Elena Manresa

SATURDAY, APRIL 23, 2016

Parallel Sessions

9:30-10:30 am

SOCIAL LEARNING – LUCAS CONFERENCE ROOM A

- *Boundedly Rational Learning in Social Networks*, Wei Li and [Xu Tan](#)
- *Foundations of non-Bayesian Social Learning*, Pooya Molavi, [Alireza Tahbaz-Salehi](#), and Ali Jadbabaie

ECONOMIC NETWORKS – ECON ROOM 140

- *Discovering Local Network Effects, Pricing and Product Development*, [Itay P. Fainmesser](#) and Andrea Galeotti
- *Mobile Money in Tanzania*, Nicholas Economides and [Przemyslaw Jeziorski](#)

10:30-11:00 am

Coffee Break

11:00 am-12:30 pm

PRODUCTION NETWORKS – LUCAS CONFERENCE ROOM A

- *Heterogeneous Firms and the Micro Origins of Aggregate Fluctuations*, [Glenn Magerman](#), Karolien De Bruyne, Emmanuel Dhyne, and Jan Van Hove
- *Production Networks*, [Kenan Huremović](#) and Fernando Vega-Redondo
- *Supply Chain Disruptions: Evidence from the Great East Japan Earthquake*, [Vasco M. Carvalho](#), Makoto Nirei, Yukiko U. Saito, and Alireza Tahbaz-Salehi

FINANCIAL NETWORKS – ECON ROOM 140

- *Shadow Banks and Systemic Risks*, Rui Gong and [Frank Page](#)
- *Network Hazard and Bailouts*, [Selman Erol](#)
- *Financial Linkages, Portfolio Choice, and Systemic Risk*, Andrea Galeotti, [Christian Ghiglino](#), and Sanjeev Goyal

12:30-1:15 pm

Lunch

1:15-2:15 pm

POSTER SESSION – COURTYARD

- *The Network Effects of Banking Capital Intermediation on Aggregate Fluctuations*, [Jose Chavez](#)
- *Criminal Network Formation and Optimal Detection Policy: The Role of Cascade of Detection*, [Liuchun Deng](#) and Yufeng Sun
- *Local Risk-Sharing Agreements*, [Wayne Gao](#)
- *Legacies: Branching Processes and Persistence of Inequality*, [Ben Golub](#)
- *How Many Friends Do You Have? An Empirical Investigation into Censoring-Induced Bias in Social Network Data*, [Alan Griffith](#)
- *Gossip: Identifying Central Individuals in a Social Network*, Abhijit Banerjee, Arun Chandrasekhar, Esther Duflo, and [Matthew O. Jackson](#)
- *Emergence of Networks and Market Institutions in a Large Virtual Economy*, [Curtis Kephart](#), Daniel Friedman, and Matt Baumer

POSTER SESSION (CONTINUED)

- *Keyplayer: An R Package for Location Key Players in Social Networks*, Weihua An and [Yu-Hsin Liu](#)
- *Empathy & Prosociality: Key Predictors of Connectedness & Well-being in Social Networks*, Rucha Makati
- *Dynamic Conflict on Networks*, [Marcin Dziubiński](#)
- *Networks of Military Alliances, War, and International Trade*, Matthew O. Jackson and [Stephen Nei](#)
- *Sampling of Attributed Networks from Hierarchical Generative Models*, [Pablo Robles](#), Sebastian Moreno, and Jeniffer Neville
- *Pairwise Stable Free Trade Networks*, Art Tosborvorn
- *Core-Periphery Trading Networks*, Chaojun Wang
- *The Subgame Perfect Core*, [Myrna Wooders](#)
- *Approach a Goal Secretly*, John N. Tsitsiklis and [Kuang Xu](#)

2:15-3:45 pm

NETWORK FORMATION I – LUCAS CONFERENCE ROOM A

- *Network Formation with Local Complements and Global Substitutes: The Case of R&D Networks*, Chih-Sheng Hsieh, [Michael D. König](#), and Xiaodong Liu
- *Stability of Networks under Level-K Farsightedness*, [Ana Mauleon](#), Nils Roehl, and Vincent Vannetelbosch
- *Cautious Farsighted Stability in Network Formation Games with Streams of Payoffs*, [Mariya Teteryatnikova](#)

GAMES AND NETWORKS – ECON ROOM 140

- *Learning and Convergence to Nash in Network Games with Continuous Action Set*, [Mathieu Faure](#)
- *Aggregation in Networks*, [Nizar Allouch](#)
- *Is Multilateral Enforcement Vulnerable to Bilateral Renegotiation*, S. Nageeb Ali, [David A. Miller](#), and Yilin David Yang

3:45-4:15 pm

Coffee Break

4:15-5:45 pm

HOMOPHILY – LUCAS CONFERENCE ROOM A

- *Opportunity and Similarity in Dynamic Friendships*, [Andreas Bjerre-Nielsen](#) and David Dreyer Lassen
- *A Belief-Based Theory of Homophily*, [Willemien Kets](#) and Alvaro Sandroni
- *Personality Traits and Network Patterns of Interaction*, [Sylvia Morelli](#)

INFORMATION AND DIFFUSION – ECON ROOM 140

- *Diffusion Games*, [Evan Sadler](#)
- *Diffusion of Multiple Information: On Information Resilience and the Power of Segregation*, [Nicole Tabasso](#)
- *The Temporal Dimension of Complex Networks*, [Antonios Garas](#)

6:30 pm

Dinner in Palo Alto for registered participants

SUNDAY, APRIL 24, 2016

Parallel Sessions

9:30-11:00 am

NETWORK FORMATION II – LUCAS CONFERENCE ROOM A

- *Time Allocation in Friendship Networks*, [Leonie Baumann](#)
- *A 'Marginalist' Model of Network Formation*, Norma Olaizola and Federico Valenciano
- *Stability in Network Formation Games with Streams of Payoffs: An Experimental Study*, Mariya Teteryatnikova and [James Tremewan](#)

PEER EFFECTS – ECON ROOM 140

- *On the Impact of Social Networks on Charitable Behavior: Theory and Evidence*, [Rogayeh Dastranj](#)
- *Writers, Designers, and Software Developers: Skill Networks and Measures of Complex Human Capital*, [Katherine Anderson](#)
- *How Twitter Affects Topic Supply and Political Bias: The Role of Sharing and Re-Sharing*, [Markus Mobius](#) and Tanya Rosenblat

11:00-11:30 am

Coffee Break

11:30 am-1:30 pm

NETWORKS AND TRADING RELATIONSHIPS – LUCAS CONFERENCE ROOM A

- *Efficient Dynamic Barter Exchange*, Ross Anderson, [Itai Ashlagi](#), David Gamarnik, and Yash Kanoria
- *Interfirm Relationships and Business Performance*, [Jing Cai](#) and Adam Szeidl

NETWORKS AND POLITICS – ECON ROOM 140

- *Variation in Political Favoritism: Theory and Evidence from the Hungarian Media*, [Adam Szeidl](#) and Ferenc Szucs
- *Spatial Advertisement in Political Campaigns*, [Anja Prummer](#)