

TENTH ANNUAL CONFERENCE ON NETWORK SCIENCE IN ECONOMICS

April 11-13, 2025
Stanford University

Friday, April 11, 2025

Location: [SIEPR](#) main conference room ground floor

9:00 - 10:30 am

Social Capital Around the World

Mike Bailey, **Drew Johnston**, Theresa Kuchler,
Ayush Kumar, Johannes Stroebel

Network and Timing Effects in Social Learning

Wade Hann-Caruthers, Minghao Pan, Omer Tamuz

10:30 - 11:00 am **Coffee Break & Open Discussion**

11:00 -12:30 pm

*Dynamic Network Influence: The Art of Strategic
Messaging*

Wei Li, **Xu Tan**

*Social Network Experiments: Manipulating
Contagion, Connection, or Position*

Nicholas Christakis

12:30 - 2:00 pm **Lunch & Open Discussion**

2:00 - 3:30 pm

*The Effect of Inventor Mobility on Network
Productivity*

Brit Shari

*Hate in the Time of Algorithms: Evidence from a
Large-Scale Experiment on Online Behavior*

Aarushi Kalra

3:30 - 4:00 pm **Coffee Break & Open Discussion**

4:00 - 4:45 pm

*The Role of Personal Contacts in the Economy from
Ancient Times to the Present*

Mark Granovetter

Saturday, April 12, 2025 Parallel Sessions [SIEPR](#) and [Economics](#)

Econ Rooms: ground floor Econ building (Landau Hall), Lucas A is inside main entrance, 140 is reached from courtyard; SIEPR rooms: ground floor SIEPR building,

9:00 - 10:30 am

Diffusion (SIEPR conference)

Games on Networks I (Econ Lucas A)

Financial Networks, (ECON 140)

Statistical Analysis of Networks I, (SIEPR 120)

10:30 - 11:00 am *Coffee Break & Open Discussion*

11:00 - 12:10 pm

Social Capital I (SIEPR conference)

Political Networks I, (Econ Lucas A)

Network Applications I, (ECON 140)

Learning I, (SIEPR 120)

12:10 - 1:00 pm *Lunch & Open Discussion*

1:00 - 2:00 pm

Poster Session I (SIEPR conference)

2:00 - 3:30 pm

Games on Networks II, (SIEPR conference)

Peer Effects I, (Econ Lucas A)

Network Formation I, (ECON 140)

Statistical Analysis of Networks II (SIEPR 120)

3:30 - 4:00 pm *Coffee Break & Open Discussion*

4:00 - 5:10 pm

Supply Networks, (SIEPR conference)

Network Applications II, (Econ Lucas A)

Peer Effects II, (ECON 140)

Networks and Prices (SIEPR 120)

5:10 - 6:10 pm

Poster Session II (SIEPR conference)

6:15 pm Conference Dinner (SIEPR conference)

Sunday, April 13, 2025 Parallel Sessions [SIEPR](#) and [Economics](#)

9:00 - 10:30 am

Learning II, (SIEPR conference)

Network Formation II, (Econ Lucas A)

Games on Networks III, (ECON 140)

Network Applications III (SIEPR 120)

10:30 - 11:00 am *Coffee Break & Open Discussion*

11:00 – 12:10 pm

Statistical Analysis of Networks III, (SIEPR conference)

Social Capital II, (Econ Lucas A)

Political Networks II, (ECON 140)

Networked Economies (SIEPR 120)



PAPERS BY SESSION: (Listed alphabetically by session title)

Econ Rooms: ground floor Econ building (Landau Hall), Lucas A is inside main entrance, 140 is reached from courtyard; SIEPR rooms: ground floor SIEPR building,

Diffusion (SIEPR conference, Sat 9am)

Seeding with Differentially Private Network Information **Amin Rahimian**

Non-submodular influence propagation in linear threshold models **Tarun Sabarwal, Amin Abbasi-Pooya**

Simple Contagion Dynamics in Tree-like Networks **Moritz Meyer-ter-Vehn, Simon Board**

Coarse Targeting in Social Networks **Wei Li, Philip Solimine**

Financial Networks (Econ 140, Sat. 9am)

(Un-)Common Preferences, Ambiguity, and Coordination
Simone Cerreia-Vioglio, **Giacomo Lanzani**, Roberto Corrao

A New Look at Financial Networks, Contagion and Crises
Burak Eroğlu, **Haluk Yener**, Taner Yiğit

Social Interaction Intensity and Investor Behavior
David Hirshleifer, **Yaron Levi**, Michael Gelman, Liron Reiter-Gavish

How do Venture Capitalists become Influential? **Marta Zava**

Games on Networks I (Econ Lucas A, Sat. 9am)

Games Under Network Uncertainty
Promit Chauduri, Matthew Jackson, Sudipta Sarangi, **Hector Tzavellas**

Substitutability in Favor Exchange **Oguzhan Celebi**

Games on Multiplex Networks **Yves Zenou, Junjie Zhou**

Incentive Design with Spillovers **Krishna Dasaratha, Benjamin Golub, Anant Shah**

Games on Networks II (SIEPR conference, Sat 2pm)

Task Allocation in Networks

Francis Bloch, Lilian Hartmann, Luca Paolo Merlino, Dotan Persitz

Influence in Social Networks

Daniel Friedman, Friederike Mengel, Jaromir Kovarik

Robust Intervention in Networks

Euncheol Shin, Daeyoung Jeong, Tongseok Lim

Sure Friends in Unsure Times: Opportunity Network and Activated Subnetwork for Risk-Sharing

Zhigang Cao, Guopeng Li, **Yiqing Xing**

Games on Networks III (Econ 140, Sun. 9am)

The Value of Community Information for Pricing Under Network Externalities

Calvin Roth, **Ankur Mani**, Jiali Huang

Resource Allocation on Networks of Externalities

Luiz Carpizo, Michael Crystal

A Cognitive Hierarchy Model of Social Interactions

Xiaodong Liu, Erhao Xie

Selected Communication

James Stratton

Learning I (SIEPR 120, Sat. 11am)

Differentially Private Sequential Learning

Yuxin Liu, Amin Rahimian

Learning Networks

Jonghyun Park, Promit Chaudhuri, Sudipta Sarangi, Hector Tzavellas

When social networks polarize: On the number of clusters in the Hegselmann-Krause model

Wout de Vos, **Michel Grabisch**, Agnieszka Rusinowska

Learning II (SIEPR conference, Sun. 9am)

Experiential and Social Learning

Agha Ali Akram, **Gabriella Fleischman**, Reshmaan Hussam, Akib Khan

Socially-Transmitted Information

David McAdams

An Experimental Analysis of Rumors in Networks

Sudipta Sarangi

How AI Aggregators Affect Knowledge Sharing

Daron Acemoglu, Tianyi Lin, Asuman Ozdaglar, **James Siderius**

Network Applications I (Econ 140, Sat. 11am)

Diffusion in social networks: Experimental evidence on information sharing vs persuasion

Marcel Fafchamps

Physician networks and patient referrals in Quebec

Vincent Boucher, Maripier Isabelle, **Josette Rosine Aniwuvi GBETO**

Spatial Inequality and Informality in Kenya's Firm Network

Verena Wiedemann, Benard Kirui, Vatsal Khandelwal, Peter Wankuru Chacha

Network Applications II (Econ Lucas A, Sat. 4pm)

Tendencies toward triadic closure: Field-experimental evidence

Mohsen Mosleh, Dean Eckles, David Rand

Understanding homophily: from interaction to integration

Vincent Boucher, Laugier Iris

Language, Identity, and Ethnic Cohesion in Schools

Ari Anisfeld, Pepi Pandiloski

Network Applications III (SIEPR 120, Sun. 9am)

Interconnected DeFi: A Theory and Application to Terra's Collapse

Anton Badev, Cy Watsky

Peer Effects in Multi-Layer Networks: Evidence from Financial Behavior

Olga Balakina, **Gabriela Stockler**

Innovation and Endogenous Knowledge Network Dynamics

Jie Cai, **Can Tian**

Overcoming migration frictions through targeted mentoring, local endorsement ,and network interactions in Senegal

Juni Singh, Bernd Beber, Cara Ebert, Zara Riaz

Network Formation I (Econ 140, Sat. 2pm)

Anonymous Network Formation

Itai Arieli, **Leonie Baumann**, Wade Hann-Caruthers

Who Knows? Information Access and Endogenous Network Formation

Laura Derksen, Pedro Souza

Sequential Network Design

Yang Sun, **Wei Zhao**, Junjie Zhou

Endogenous Multiplex Networks

Sumit Joshi, **Ahmed Saber Mahmud**, Hector Tzavellas

Network Formation II (Econ Lucas A, Sun. 9am)

Network Formation and Dynamics among Multi-LLMs **Marios Papachristou, Yuan Yuan**

Dynamic Network Formation with Farsighted Players and Limited Capacities

Michel Grabisch, Elena Parilina, **Agnieszka Rusinowska**, Georges Zaccour

Flowers as Efficient Networks in the Directed Connections Model

Alan Griffith

Delegated Networking

Frank Page, Jing Fu

Networked Economies (SIEPR 120, Sun. 11am)

The Clean Transition in a Network Economy

Shane Mahen

Cross-Sectional Dynamics Under Network Structure: Theory and Macroeconomic Applications

Marko Mlikota

Inter-Firm Network Growth over Firm Life Cycle and Its Macroeconomic Implications

Hiroyuki Asai, Makoto Nirei

Networks and Prices (SIEPR 120, Sat. 4pm)

Prices and Symmetries

Andrew Koh, Pedro Martinez-Bruera

Networks, Platforms and Auction Pricing: Evidence from a Decentralized Online Market

Kasra Khademoresaian, **Georgia Kosmopoulou**, Carlos Lamarche

Land Assembly: Outsider Bargaining with A Network

Yurou He

Peer Effects I (Econ Lucas A, Sat. 2pm)

Mobile but Miserable

Patrick Allmis, Matthew Elliott, Christian Ghiglino, Alastair Langtry

Cultural Change Through Writing Style: Gendered Pronoun Use in the Economics Profession

Camilo Garcia-Jimeno, Sahar Parsa

Parental Beliefs about Child Development: Community vs. Expert Knowledge

Julie Pernaudet, **Julia Seither**, Karen Ye

Incentive Contracts and Peer Effects in the Workplace

Marc Claveria-Mayol, **Pau Milán**, Nicolas Oviedo-Davila

Peer Effects II (Econ 140, Sat. 4pm)

Popularity and Student Networks: Trade-offs in Resolving Social Isolation through Deskmate Assignments
Palaash Bhargava

Quitting Behavior of Gig Manufacturing Workers: Virtual and Offline Peer Effects
Yiqing Xing, **Hongyan Xu**, Dandan Zhang, Yimeng Zhang

Peer Effects in Consideration and Preferences
Natalia Lazzati, Nail Kashaev, Ruli Xiao

Political Networks I (Econ Lucas A, Sat. 11am)

Estimating Network Effects and Their Impact on Congressional Polarization
Juan Estrada, Cliff Carrub, Pablo Estrada

Network Structure and Political Polarization
Arthur Campbell, Matthew Leister, **Philip Ushchev**, Yves Zenou

Ideological bias and information cascades on Twitter: evidence from French politicians
Margherita Comola, Shaden Shabayek

Political Networks II (Econ 140, Sun. 11am)

A Theory of Economic Coercion and Fragmentation
Christopher Clayton, **Matteo Maggiori**, Jesse Schreger

Conspiracy Networks
Antonio Cabrales, **Christian Ghiglino**, Francesco Squintani

Interconnected Conflicts
Marcin Dziubiński, Sanjeev Goyal, Junjie Zhou

Social Capital I (SIEPR conference, Sat. 11am)

Where do Friends Matter for Founders? The Role of Social Networks in U.S. Entrepreneurship
Robert Fluegge, Mike Bailey

Social Capital in the United Kingdom: Determinants and Consequences
Mike Bailey, Tom Harris, Shankar Iyer, Drew Johnston, **Tom Rutter**

Who Leads? Relative Age Effects on Social Capital
Matthew Jacob, Mike Bailey

Social Capital II (Econ Lucas A, Sun. 11am)

The Value of Strategic Networking

Vatsal Khandelwal, Juni Singh

The Long-term Effects of Expanding Social Capital via Social Media

Mike Bailey, Luis Armona

Friends with Benefits: Social Capital and Household Financial Behavior

Brad Cannon, David Hirshleifer, **Joshua Thornton**

Statistical Analysis of Networks I (SIEPR 120, Sat. 9am)

On the Inconsistency of Estimation with Uncertain Models

Cesar Uribe, James Zachary Hare, Lance M. Kaplan, Ali Jadbabaie

Estimating Network Models using Neural Networks

Angelo Mele

Generalizability with ignorance in mind: learning what we do (not) know for archetypes
discovery

Emily Breza, Arun Chandrasekhar, **Davide Viviano**

Policy design in experiments with unknown interference

Davide Viviano, **Jess Rudder**

Statistical Analysis of Networks II (SIEPR 120, Sat. 2pm)

Identification of a Rank-dependent Peer Effect Model

Eyo Herstad, Myungkou Shin

Identifying Socially Disruptive Policies

Eric Auerbach, Yonfg Cai

Statistical Inference in Social Networks: Evidence of Perception Bias of Social Sampling and its
Consequences

Andreas Bjerre-Nielsen, Martin Benedikt Busch, Nick Vikander

Revealed Social Networks

Christopher Chambers, Yusufcan Masatlioglu, **Christopher Turansick**

Statistical Analysis of Networks III (SIEPR conference, Sun. 11am)

Scenario Sampling for Large Supermodular Games

Bryan Graham, Andrin Pelican

Randomization Tests for Monotone Spillover Effects

Shunzhuang Huang, Xinran Li, Panos Toulis

Beyond Power: Discovering Mechanistic Causal Models and Identifying Conceptual Gaps
through Expansive Experimentation

Arun Chandrasekhar, Matthew Jackson, Tyler McCormick, **Karl Rohe**

Supply Networks (SIEPR conference, Sat. 4pm)

Deglobalization and the reorganization of supply chains: effects on regional inequalities in the EU
Glenn Magerman, Alberto Palazzolo

Are supply networks efficiently resilient? Agostino Capponi, **Chuan Du**, Joseph Stiglitz

Worker Mobility in Supplier-Buyer Networks
András Borsos, Lajos Tamás Szabó, Álmos Telegdy

Poster I (Saturday 1pm, [SIEPR](#) main conference room ground floor)

Social Learning in Segregated Networks **Pepi Pandiloski**, Ari Anisfeld

Secure and Efficient Networks **Oleh Stupak**

Tractability and Phase Transitions in Endogenous Network Formation **Jose Betancourt**

Social learning and stubbornness **Yannick Jansen**

Managing Cybersecurity: Data Access & Protection
George Charlson, Ruslan Momot, Marat Salikhov, **Oleh Stupak**

Large Language Model as a DeGroot Learner on Networks: Theory and Application **Fulin Li**

Information Aggregation and Social Learning via the Delphi Method
Joao Cabral-Perez, Marcos Ross Fernandes

Robust Walk-Based Centrality **Yang Sun**, Wei Zhao, Junjie Zhou

The Evolution of Trade Modularity: A Spectral Analysis of Global Trade Networks (1950–2014)
Miles Guerin

Network Games with Payoff-based Externalities **Yidian Meng**

Search and Rediscovery Martino Banchio, **Suraj Malladi**

Displacement, Labor Mobility and Transferable Tasks **Florian Hack**

Mutual Fund Families, Market Structure, and Fee Competition
Richard Grice, Ahmed Guecioueur

Follow the Leader: The effect of high-quality peers on turnover decisions **Marlon Francisco**

Networks within networks: Alignment of Multinational Enterprises on Global Value Chains and Firms' Performances **Charlie Joyez**

Poster II (Saturday 5:10pm, [SIEPR](#) main conference room ground floor)

Off-policy causal estimation under social network interference **Sahil Loomba**, Dean Eckles

Network Stability under Imperfect Monitoring **Luiz Carpizo**, Michael Crystal, Rafael Berriel

Peer effects in the linear-in-means model may be inestimable even when identified **Alex Hayes**, Keith Levin

Behavioral Attenuation in Networks **Fulin Guo**, Syngjoo Choi, Sanjeev Goyal, Frederic Moisan

On the Irrelevance of Information Linkages in Repeated Games **Natacha Spitzer**

Comparing with neighbors: the network determinants of involution **Shenghao Sun**,
Yiqing Xing, Cheng Chen, Wenjun Mei

Bounds for within-household encouragement designs with interference **Alejandro Sanchez-Becerra**, Santiago Acerenza, Pietro Emilio Spini, Julian Martinez-Iriarte

Peer Effects in Adolescent Mental Health **Hussain Hadah**

R&D Networks and the Impact of Immigrants **Yajie Xu**

Estimating spillovers from sampled connections **Kieran Marray**

Using a Network-based Framework to Measure and Inform Regional Entrepreneurial Ecosystem Investments: A Case Study of 20 Economic Zones in the state of Michigan

Daniel Romero, David Brophy, Thomas Jensen, Mary Spaeth

A Behavioral Model of Popularity and Content Dynamics in Social Media **Zaruhi Hakobyan**, Zafer Kanik