



Information Transmission in Networks

Network Science in Economics Conference Series

Center for History and Economics
Harvard University

May 1-3, 2015



Thank you for joining us for this conference on Information Transmission in Networks, hosted by the Center for History and Economics at Harvard. The conference is the first in a series on Network Science in Economics, sponsored by the National Science Foundation, with additional support from the Center for History and Economics at Harvard and the Department of Economics at Vanderbilt University.

Benjamin Golub
Local Organizer

Matthew O. Jackson
Series Organizer

Myrna Wooders
Series Organizer



Schedule: Friday, May 1st, 2015

2:30 Coffee (Hansen-Mason Lounge, Third Floor)

3:00 Welcome (Hansen-Mason Lounge, Third Floor)

Room M-16

3:15 Pricing Network Effects
Andrea Galeotti, Itay P. Fainmesser

4:00 Peer Effect in iPhone Adoption
Tony Ke

4:45 Coffee Break (Hansen-Mason Lounge, Third Floor)

Room M-16

5:00 A Network Theory of Civil Liberties
and Social Structure
Selman Erol, Camilo Garcia-Jimeno

5:45 How Social Networks Shape Our Values?
A Natural Experiment Among Future
French Politicians
*Yann Algan, Quoc-Anh Do, Alexis Le Chapelain,
Yves Zenou*

6:30 Day's official program ends; informal dinners (see restaurant list at end of program)

Room M-15

Informational Herding with
Model Misspecification
J. Aislinn Bohren

Strategic Learning and the
Topology of Social Networks
Elchanan Mossel, Allan Sly, Omer Tamuz

Room M-15

A Unifying Model of Strategic
Network Formation
Norma Olaizola, Frederico Valenciano

Trust and Manipulation in
Social Networks
Manuel Forster, Ana Mauleon, Vincent J. Vannetelbosch

The welcome session, coffee, breakfasts, and Saturday lunch will take place in the **Hansen-Mason Lounge**, which is on the top floor of the building, directly in front of the stairs.

All sessions take place in Rooms M-15 and M-16. The M floor is one level above the building entry. When you are on that floor, make a left off the stairs or elevator to find the rooms.

Saturday, May 2nd, 2015 — Morning Session

8:45 Breakfast (Hansen-Mason Lounge, Third Floor)

Room M-16

9:15 Rumors and Social Networks
Francis Bloch, *Gabrielle Demange*,
Rachel Kranton

10:00 Rumours
Kalyan Chatterjee, **Bhaskar Dutta**

Room M-15

Collaborative Oligopoly in Price Competition
*Pascal Billard, Christophe Bravard, Sudipta Sarangi, Myrna
Wooders*

Customer Referral Incentives and
Social Media
Ilan Lobel, **Evan Sadler**, Lav R. Varshney

10:45 Coffee Break (Hansen-Mason Lounge, Third Floor)

Room M-16

11:00 Changes in Advice and Favor Exchange
Networks in Response to Exposure to
Formal Credit in Rural Villages
*Abhijit Banerjee, Arun G. Chandrasekhar, Esther
Duflo, Matthew O. Jackson*

11:45 Savings Monitors
Emily Breza, Arun G. Chandrasekhar

12:30 Lunch (served in Hansen-Mason Lounge, Third Floor; additional seating M-16, M-15)

1:30 Poster Session, Hansen-Mason Lounge

Divided We Stand, United We Fall
Ugo Bolletta, *Paolo Pin*

Extended Abstract: The Swing Voter's Curse
in Social Networks
Berno Buechel, *Lydia Mechtenberg*

Competition Over Product Diffusion
in Social Networks
*Yongwhan Lim, Asuman Osdaglar, Alexander
Teytelboym*

The Strength of the Strongest Ties in
Collaborative Problem Solving
*Yves-Alexandre de Montjoye, Arkadiusz
Stopczynski, Erez Shmueli, Alex Pentland, Sune
Legmann*

Incentive Compatibility Networks and the
Delegated Networking Principle
Frank Page, Rui Gong

Room M-15

How Damage Diversification Can Reduce Systemic
Risk
Antonios Garas, *Rebekka Burkholz, Frank Schweitzer*

Homophily and Influence: The Strength of Weak
Ties Revisited
Arnold Polanski, *Fernando Vega-Redondo*

Trust and Stability in a Financial Network
Rick Bookstaber, Philip Monin

Network Formation and Information Acquisition
Bernard Herskovic, João Ramos

Who Can You Trust? Reputation and Cooperation in
Networks
Maia King

How Good is the Shapley Value-based Approach to the
Influence Maximization Problem?
*Szymon Matejczyk, Kamil Adamczewski, Michael Wooldridge,
Tomasz P. Michalak*

Saturday, May 2nd, 2015 — Afternoon Session

Room M-16

2:45 Do Friends Help Friends Get Jobs?
Sarah Adelman, Vivian Hoffman, Markus M. Mobius, Tanya S. Rosenblat

3:30 Influence Maximization Revisited
Paramveer Dhillon, Sinan Aral

4:15 Coffee Break (Hansen-Mason Lounge, Third Floor)

Room M-15

Communication and Compliance in Networks:
 Evidence from a Field Experiment
Francesco Drago, Friederike Mengel, Christian Traxler

Public Goods in Endogenous Networks
Markus Kinader, Luca Paolo Merlino

Room M-16

4:30 A Model of Belief Influence in
 Large Social Networks
Antonio Jimenez-Martinez

5:15 A Simple Model of Cascades in Networks
Yongwhan Lim, Asuman Ozdaglar, Alexander Teytelboym

Room M-15

Network Games with Local Correlation and
 Clustering
PJ Lamberson

Strategic Influence in Social Networks
Michel Grabisch, Antoine Mandel, Agnieszka Rusinowska, Emily Tanimura

Sunday, May 3rd, 2015

8:45 Breakfast (Hansen-Mason Lounge, Third Floor)

Room M-16

9:15 Treasure Hunt: Social Learning
in the Field
Markus Mobius, Tuan Phan, Adam Szeidl

10:00 Naïve Learning with Uninformed Agents
*Abhijit Banerjee, Emily Breza, Arun G.
Chandrasekhar, Markus Mobius*

10:45 Coffee Break (Hansen-Mason Lounge, Third Floor)

Room M-16

11:00 An Experimental Study on Information
Sharing in Networks
*Sergio Currarini, Francesco Feri, Miguel A.
Meléndez-Jiménez*

11:45 Interfirm Relationships and Business
Performance
Jing Cai, Adam Szeidl

12:30 Conference Ends

Room M-15

Discrete Games in Endogenous Networks:
Theory and Policy
Anton Badev

Interacting Information Cascades: On the
Movement of Conventions Between Groups
James C.D. Fisher, John Wooders

Room M-15

Social Learning with Differentiated Products
Arthur Campbell

A Networked Market for Information
S. Nageeb Ali, Ayal Chen-Zion, Erik Lillethun

Some Local Restaurant Suggestions

The Boathouse

\$ · Pub

Relaxed, nautical-themed location to hang out & socialize over pub grub, provincial beers & drinks.

Address: 49 Mt Auburn St, Cambridge

Phone: [\(617\) 349-1650](tel:(617)349-1650)

The Sinclair

\$\$ · American

This gastropub features New American fare, with an open kitchen & patio. Music venue next door—if you see a long line, it's for the concert and not the restaurant.

Address: 52 Church St, Cambridge

Phone: [\(617\) 547-5200](tel:(617)547-5200)

Park Restaurant & Bar

\$\$ · New American Restaurant

Unfussy American fare & creative cocktails star at this eatery & bar in a living room-like setting.

Address: 59 JFK St, Cambridge

Phone: [\(617\) 491-9851](tel:(617)491-9851)

Orinoco

\$\$ · Venezuelan

No-reservations Venezuelan eatery known for smoky arepas, served in a cozy, Latin-accented space.

Address: 56 John F. Kennedy St, Cambridge,

Phone: [\(617\) 354-6900](tel:(617)354-6900)

Changsho

\$\$ · Chinese

Neighborhood mainstay for familiar Chinese dishes & popular brunch in a traditional setting.

Address: 1712 Massachusetts Ave, Cambridge

Phone: [\(617\) 547-6565](tel:(617)547-6565)

Clover

\$ or less · Vegetarian Fast Food

The menu changes daily at this quick-serve spot featuring seasonal ingredients in a lablike space. Order at the counter.

Address: 7 Holyoke St, Cambridge

Phone: [\(617\) 395-0240](tel:(617)395-0240)

Le's Restaurant

\$\$ · Vietnamese

Bustling Vietnamese quick-serve sit-down restaurant offering pho noodle soups & other classic dishes.

Address: 35 Dunster St, Cambridge

Phone: [\(617\) 864-4100](tel:(617)864-4100)

Dumpling House

\$½ - Chinese

Lively spot for a big selection of handmade dumplings & other Chinese classics. Fast, somewhat brusque service.

Address: 950 Massachusetts Ave, Cambridge

Phone: [\(617\) 661-8066](tel:(617)661-8066)

Cambridge 1

\$\$ · Italian

Simple pizza parlor crafting thin-crust pies with unusual toppings, to be chased with local beers.

Address: 27 Church St, Cambridge

Phone: [\(617\) 576-1111](tel:(617)576-1111)

Beat Hotel

\$\$ · American Restaurant

A trippy space with psychedelic art is home to creative American eats, craft cocktails & live music. They are very proud of their wine on tap. Quite crowded on Friday nights, but may have a table for dinner, especially outside peak dinner hours.

Address: 13 Brattle St, Cambridge

Phone: [\(617\) 499-0001](tel:(617)499-0001)

Henrietta's Table

\$\$\$½ · New England

The Charles Hotel's farmhouse-chic eatery specializes in locally sourced food, plus brunch. Good for large parties.

Address: The Charles Hotel, 1 Bennett St, Cambridge

Phone: [\(617\) 661-5005](tel:(617)661-5005)

\$ = entrees \$7-17

\$\$ = entrees \$18-25

\$\$\$ - entrees over \$25

(these guidelines represent something like an interquartile range)