

# *Second International Conference on Computational Social Science*

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## AGENDA

## *Second International Conference on Computational Social Science*

### *Wednesday, June 22* PRE-SESSION: DATATHON

START	END		LOCATION
1:00	1:30	Check-In (Datathon Participants Only)	NICO
1:30	4:30	Datathon: Introduction/Presentation & Working Session "U.S. Election 2016: An Outsider Cycle?"	NICO
4:30	6:00	<b>Break/Dinner</b>	NICO
6:00	10:00	Datathon Working Session	NICO

### *Thursday, June 23* PRE-SESSION: DATATHON & WORKSHOPS

START	END	DATATHON	LOCATION	SKILLS WORKSHOPS	LOCATION
9:00	6:00	Check-In for Pre-Session and General Session + Publishers' Tables	Jacobs Lobby	Check-In for Pre-Session and General Session + Publishers' Tables	Jacobs Lobby
10:00	10:50	Datathon Working Session	The Garage	Online Experiments with Volunteer Science / David Lazer and Jason Radford	OLC Forum
10:50	11:10	<b>Break</b>	The Garage	<b>Break</b>	Jacobs Atrium
11:10	12:00	Datathon Working Session	The Garage	<i>Continued:</i> Online Experiments with Volunteer Science	OLC Forum
12:00	1:00	<b>Lunch</b>	The Garage	<b>Lunch</b>	Jacobs Atrium
1:00	1:50	Datathon Working Session	The Garage	Online Experiments with Virtual Labs / Andrew Mao	OLC Forum
1:50	2:10	<b>Break</b>	The Garage	<b>Break</b>	Jacobs Atrium
2:10	3:00	Datathon Working Session	The Garage	<i>Continued:</i> Online Experiments with Virtual Labs	OLC Forum
3:00	3:30	<b>Break</b>	The Garage	<b>Break</b>	Jacobs Atrium
3:30	4:30	Datathon Working Session	The Garage	<b>Concurrent Workshops</b>	
3:30	4:30			Causal Inference in Online Systems: Methods, Pitfalls and Best Practices / Amit Sharma	Jacobs G40
3:30	4:30			Interactive Visualization on the Web with D3.js / Alessandro Febretti, Sr	Jacobs G03
4:30	4:45	<b>Break</b>	The Garage	<b>Break</b>	Jacobs Atrium
4:45	5:30	Datathon Working Session	The Garage	<b>Concurrent Workshops</b>	
4:45	5:30			<i>Continued:</i> Causal Inference in Online Systems: Methods, Pitfalls and Best Practices	Jacobs G40
4:45	5:30			<i>Continued:</i> Interactive Visualization on the Web with D3.js	Jacobs G03
5:30	6:30	<b>Networking and Dinner</b>	The Garage	<b>Networking and Dinner</b>	The Garage
6:30	10:00	Datathon Working Session	The Garage		

## AGENDA

### Friday, June 24 GENERAL SESSION

START	END		LOCATION
8:00	3:00	Check-in + Publishers' Tables	Jacobs Lobby
8:00	8:30	<b>Continental Breakfast</b>	Jacobs
8:30	8:50	Opening Remarks by Duncan Watts, Microsoft	OLC Forum
8:50	9:30	<b>Keynote by</b> Peter Sheridan Dodds, University of Vermont "The Panometer: Building Lexicon Meters to Gauge Emotional State, Health, Opinion and Stories"	OLC Forum
9:30	10:10	<b>Keynote by</b> Sendhil Mullainathan, Harvard University	OLC Forum
10:10	10:30	<b>Break</b>	Jacobs
10:30	11:10	<b>Keynote by</b> Sandra González-Bailón, University of Pennsylvania "Online Networks and Large-Scale Coordination"	OLC Forum
11:10	11:50	<b>EPJ Data Science Keynote by</b> Markus Strohmaier, University of Koblenz-Landau "Measuring Social Phenomena on the Web"	OLC Forum
11:50	1:30	<b>Lunch + Datathon Presentations</b>	OLC Forum
1:30	3:30	<b>Concurrent Sessions 1</b>	
1:30	3:30	<b>Science of Science 1</b>	<b>Jacobs G44</b>
		Gender, Productivity, and Prestige in Computer Science Faculty Hiring Networks	Samuel Way, Daniel Larremore and Aaron Clauset
		Measuring Interdisciplinarity Using Text	Eliza Evans
		Ground truth? Clustering Scientific Publications	Vasyl Palchykov, Valerio Gemmetto, Alexey Boyarsky and Diego Garlaschelli
		Exploring the Anatomy of Physics	Roberta Sinatra, Pierre Deville, Michael Szell, Dashun Wang and Albert-Laszlo Barabasi
		Global Knowledge Spillovers Through Institutional Collaborations	Greg Morrison and Fabio Pammolli
		Scholar Plot: Visualizing Scientific Careers at a Glance	Kyeongnan Kwon, Dinesh Majeti, Brian Uzzi and Ioannis Pavlidis
		Quantifying and Predicting Patterns of Individual Scientific Impact	Roberta Sinatra, Dashun Wang, Pierre Deville, Chaoming Song and Albert-László Barabási
1:30	3:30	<b>Political Networks</b>	<b>Jacobs G27</b>
		Ideological Scaling of Social Networks' Users	Corentin Vande Kerckhove, Mickael Temporão and Yannick Dufresne
		Complex Contagion of Campaign Donations	Vincent Antonio Traag

### Friday, June 24 continued GENERAL SESSION

## AGENDA

START	END		LOCATION
		Political Polarization in Ukraine 2014: Opinion and Territorial Split Demonstrated with the Bounded Confidence XY Model, Validated by Twitter Data	Maksym Romenskyy, Viktoria Spaier and Vladimir Lobaskin
		Quantifying the Signatures of Global Cooperation and Conflict	Lijun Sun, Morgan R. Frank, Brad L. Leveck and Iyad Rahwan
		Modeling International Relations with Bayesian Poisson Tucker Decomposition	Aaron Schein, Mingyuan Zhou, David Blei and Hanna Wallach
		Data-Driven Approaches to Understanding Community Policing on Social Media Platforms	Yun Huang
		Quote RTs on Twitter: Usage of the New Feature for Political Discourse	Venkata Rama Kiran Garimella, Ingmar Weber and Munmun De Choudhury
1:30	3:30	<b>Economic Networks</b>	<b>Jacobs G40</b>
		Social Networks Under Stress	Daniel Romero, Brian Uzzi and Jon Kleinberg
		Towards Modeling Inter-Firm Networks: Empirical Analysis and Characterization of Automobile Parts Supply Relationship Formations	Tomomi Kito, Steve New and Felix Reed-Tsochas
		How Communication Networks Help Achieve Collective Goals	Matthias Leiss, Christian Schulz, Eموke-Agnes Horvat, Dirk Helbing and Brian Uzzi
		Search, Matching, and the Role of Digital Marketplace Design in Enabling Trade	Andrey Fradkin
		Fintech and The Flat World Hypothesis: Peer-to-Peer Lending Bias	Pramesh Singh, Panagiotis Karampournioutis, Jayaram Uparna, Eموke-Agnes Horvat, Boleslaw Szymanski, Gyorgy Korniss, Jon Bakdash and Brian Uzzi
		Fair Topologies: Structural Drivers of Evolution of Fairness in Social Networks	Mohsen Mosleh and Babak Heydari
		Forecasting Financial Well-Being for Small and Medium Enterprises Using Network-Based Signals	Julius Adebayo, Yoshihiko Suhara, Vivek Singh, Burcin Bozkaya and Alex 'Sandy' Pentland
1:30	3:30	<b>Social Contagion</b>	<b>Jacobs G03</b>
		Real-time Uncertainty Update in Interactive and Non-Interactive Social Exchange	Niccolo Pescetelli and Nick Yeung
		Are School Shootings Contagious?	Adam Pah, Andrew Jennings, Aditya Jain, Adam Hockenberry and Luis Amaral
		The Dynamics of Correlated Novelties	Francesca Tria, Vittorio Loreto, Vito D. P. Servedio and Steven H. Strogatz
		The Concurrent Diffusion of Information and Behaviors in Online Social Networks	Kang Zhao, Shiyao Wang, Ion Vasi and Qi Zhang
		The Global Terrorism Network: Power Law Foundations of System Behavior	Yang Yang, Adam Pah and Brian Uzzi

*Friday, June 24 continued* GENERAL SESSION

## AGENDA

START	END		LOCATION
		Analyzing Randomized Experiments with Spillovers	Neelanjan Sircar
		Synthetic Webs of Trust for Egalitarian Communities	Edward Platt and Daniel Romero
		Influence in Food Consumption: Will You Eat Ice Cream When it Rains?	Yelena Mejova, Sofiane Abbar and Ingmar Weber
1:30	3:30	<b>Social Networks 1</b>	<b>Jacobs G45</b>
		Ruffled Feathers: When Can Gender Be Inferred on Social Networks?	Kristen Altenburger and Johan Ugander
		Social Effects on Racial Perception	Zsafia Boda
		Structural Diversity and Homophily Across Many Large-Scale Social Networks	Yuxiao Dong, Reid Johnson, Jian Xu and Nitesh Chawla
		Longer Degrees of Separation Between Seniors in Mobile Communication	Yuxiao Dong, Omar Lizardo and Nitesh Chawla
		Platform Effects in Social Media Networks	Momin Malik and Juergen Pfeffer
		The Semantic Networks that Underpin Group Interaction	Aaron Schechter, Yiheng Sun, Leslie DeChurch and Noshir Contractor
		Functionality of the Honor Cultures; Evolutionary Approach	Andrzej Nowak, Michele Gelfand and Wojciech Borkowski
1:30	3:30	<b>Social Dynamics and Influence</b>	<b>Jacobs G05</b>
		An Experimental Study of Critical Mass	Joshua Becker, Devon Brackbill and Damon Centola
		Uncovering Human Behavioral Phenotypes: A Lab-in-the-Field Game Theory Experiment	Julia Poncela-Casasnovas, Mario Gutierrez-Roig, Carlos Gracia-Lazaro, Julia Vicens, Jesus Gomez-Gardenes, Josep Perello, Yamir Moreno, Jordi Duch and Angel Sanchez
		An Experimental Study of Opinion Influenceability	Przemyslaw Grabowicz, Francisco Romero Ferrero, Theo Lins, Fabricio Benevenuto, Gonzalo Polavieja and Krishna Gummadi
		Social Influence through Social Information: Insights from Three Large Scale Online Experiments with Millions of Participants	Taha Yasseri
		Estimating the Causal Impact of Recommendation Systems from Observational Data	Amit Sharma, Jake Hofman and Duncan Watts
		Opinion Diversity and the Stability of Social Systems: Implications from a Model of Social Influence	William Pickering, Boleslaw Szymanski and Chjan Lim
		The Unpredictability of Human Opinion Dynamics	Corentin Vande Kerckhove, Samuel Martin, Pascal Gend and Julien M. Hendrick
3:30	4:00	<b>Break</b>	<b>Jacobs</b>

*Friday, June 24 continued* GENERAL SESSION

## AGENDA

START	END		LOCATION
4:00	4:40	<b>Keynote by</b> Dirk Brockmann, Humboldt University "Experimental Epidemiology - Measuring What Matters in Disease Dynamics"	OLC Forum
4:40	5:20	<b>Keynote by</b> Susan Athey, Stanford University	OLC Forum
6:00	9:00	<b>Conference Reception + Banquet</b>	<b>Johnson Wax/Park Dining Rooms</b>
6:00	7:00	Drinks	
7:00	9:00	Conference Dinner + Datathon Awards (RSVP Required)	

### *Saturday, June 25* GENERAL SESSION

START	END		LOCATION
8:20	3:00	Check-In & Publishers' Tables	Jacobs Lobby
8:20	8:40	<b>Breakfast and Poster Set-Up</b>	Jacobs
8:40	9:20	<b>Keynote by</b> Balazs Vedres, Central European University "Fold Networks and Success with Innovation"	OLC Forum
9:20	10:00	<b>Keynote by</b> Michael Kearns, University of Pennsylvania "Private Search in Social Networks"	OLC Forum
10:00	10:30	<b>Break</b>	Jacobs
10:30	11:10	<b>Keynote by</b> Alessandro Lomi, University of Lugano	OLC Forum
11:10	11:50	<b>Industry Panel with</b> Eytan Bakshy, Facebook; Dao Nguyen, BuzzFeed; Hanna Wallach, Microsoft Research	OLC Forum
11:50	12:50	<b>Concurrent Sessions 2</b>	
11:50	12:50	<b>Collective Action</b>	<b>Jacobs G27</b>
		Occupy The Government: Presidential and Congressional Rhetorical Response to the Occupy Movement	Joshua Mausolf
		The Networked Battle for #Baltimore: A Mixed-Methods Exploration of the Framing of Urban Unrest	Brooke Foucault Welles and Sarah Jackson
		Causal Effect of Witnessing Political Protest on Civic Engagement	Han Zhang
11:50	12:50	<b>Art and Music</b>	<b>Jacobs G03</b>
		Soviet Popular Music Landscape: Community Structure and Success Predictors	Dmitry Zinoviev
		The Multi-Scale Network Landscape of Collaboration	Arram Bae, Doheum Park, Yong-Yeol Ahn and Juyong Park
		The Structural Foundations of Creativity: A Network-based Study of Co-productions Among Italian Theatres	Valerio Ciotti, Marco Serino, Noshir S. Contractor, Leslie A. Dechurch and Pietro Panzarasa
		Understanding the Link Between Quality, Social Influence, and Success in Popular Music	Michael Mauskapf, Emokey-Agnes Horvat, Noah Askin and Brian Uzzi

### *Saturday, June 25 continued* GENERAL SESSION

START	END		LOCATION
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## AGENDA

11:50	12:50	<b>Social Networks 2</b>	<b>Jacobs 160</b>
		Structure and Inference in Annotated Networks	Mark Newman and Aaron Clauset
		Multiscale Network Generator	Alexander Gutfraind, Ilya Safro and Lauren Meyers
		Burstiness Parameter for Finite Event Sequences	Eun-Kyeong Kim and Hang-Hyun Jo
		Dynamics of Disagreement: Large-Scale Temporal Network Analysis Reveals Negative Interactions in Online Collaboration	Milena Tsvetkova, Ruth Garcia Gavilanes and Taha Yasseri
11:50	12:50	<b>Cities and Mobility</b>	<b>Jacobs 101</b>
		Commission and Omission Decisions by Autonomous Vehicles in Moral Dilemmas	Edmond Awad, Max Kleiman-Weiner, Sohan Dsouza, Jean-Francois Bonnefon, Azim Shariff, Josh Tenenbaum and Iyad Rahwan
		Local Optimization Strategies in Urban Mobility from Geo-referenced Floating Car Data	Pierpaolo Mastroianni, Bernardo Monechi, Vito Servedio, Carlo Liberto, Gaetano Valenti and Vittorio Loreto
		Night Life and Road Safety: A Comparison of 7 Italian Cities	Giovanni L. Ciampaglia, Jose J. Ramasco and Bruno Gonçalves
		Touristic Site Attractiveness Seen through Twitter	Aleix Bassolas, Maxime Lenormand, Antonia Tugores, Bruno Gonçalves and Jose J. Ramasco
11:50	12:50	<b>Information and Attention</b>	<b>Jacobs G40</b>
		Improving Comprehension of Numbers in the News	Pablo Barrio, Daniel Goldstein and Jake Hofman
		Dynamics and Biases of Online Attention: The Case of Aircraft Crashes	Ruth Garcia Gavilanes, Milena Tsvetkova and Taha Yasseri
		From Conversation to Cacophony: Information Overload and Collective Communication in Twitch	Azadeh Nematzadeh, Giovanni Luca Ciampaglia, Yong-Yeol Ahn and Alessandro Flammini
		Epidemiology of Misinformation Online	Alessandro Bessi, Michela Del Vicario, Ana Lucia Schmidt, Fabiana Zollo, Guido Caldarelli, Antonio Scala and Walter Quattrociocchi
11:50	12:50	<b>Language</b>	<b>Jacobs G05</b>
		Enculturation Trajectories and Individual Attainment: An Interactional Language Use Model of Cultural Dynamics in Organizations	Amir Goldberg, Sameer Srivastava, V. Govind Manian, Christopher Potts
		Data Sources for Modeling Library Texts and Readership	John Shanahan, Robin Burke, Antonio Ceraso and Jessica Bishop-Royse
		Roles of Bilinguals on User-generated Content Platforms	Scott Hale

*Saturday, June 25 continued* GENERAL SESSION

START	END	LOCATION
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## AGENDA

12:50	1:50	<b>Lunch</b>	Jacobs Atrium
12:50	1:50	<b>Optional Lunch and Learn: Hacking the Conference Badge</b>	Jacobs 160
1:50	2:50	<b>Concurrent Sessions 3</b>	
1:50	2:50	<b>Crowd</b>	<b>Jacobs 101</b>
		Knowledge Reuse in Innovation Crowds: The Role of Semantic Heterogeneity	Chien-Yi Hsiang, Albert Armisen and Sabine Brunswicker
		The Collaboration and Communication Networks within the Crowd	Mary Gray, Siddharth Suri, Ming Yin, Jennifer Wortman Vaughan, Syed Shoaib Ali and Deepti Kulkarni
		The Danger of Opinion Leaders: How Social Influence Affects the Wisdom of Crowds	Devon Brackbill, Joshua Becker and Damon Centola
		Political Polarization of Science on Wikipedia	Feng Shi, Misha Teplitskiy and Megan Barnes
1:50	2:50	<b>Security and Crime</b>	<b>Jacobs G03</b>
		Network Effects in Team Assembly and Crime Ideation in Criminal Co-offender Networks	Petter Holme and Yukie Sano
		Cyber Security as an Evolving Host-Parasite System	Russell Thomas and Mathew Woodyard
		A Novel Statistical Test for Discrimination: Investigating Racial Disparities in Police Traffic Stop Data	Camelia Simoiu, Sam Corbett-Davies and Sharad Goel
		Personalized Risk Assessments in the Criminal Justice System	Sharad Goel, Justin Rao and Ravi Shroff
1:50	2:50	<b>Social Networks 3</b>	<b>Jacobs 160</b>
		The Structure of Sequences: Mining and Interpreting Networks from Event Log Data	Brian Keegan
		On Predicting Adverse Police-Public Interactions	Youngsoo Park, Ayesha Mahmud, Samuel Carton, Kenneth Joseph, Jennifer Helsby, Joseph Walsh, Lauren Haynes and Rayid Ghani
		Personality, Homophily and Embeddedness	Samuel Fraiberger
		Investigating the Role of Social Interactions on Personality States Dynamics	Didem Gundogdu, Jacopo Staiano, Ailbhe N. Finnerty, Stefano Teso, Andrea Passerini, Fabio Pianesi and Bruno Lepri
1:50	2:35	<b>Social Media 1</b>	<b>Jacobs G40</b>
		Natural Experiments in Online Social Network Assembly	Abigail Jacobs, Samuel Way, Johan Ugander and Aaron Clauset
		When Did They Join Twitter? Patterns of Twitter Adoption for Different Nationality Groups in The Arab Gulf Countries	Fatema Akbar
		The Social Ties of Immigrant Communities in the United States	Amaç Herdağdelen, Winter Mason, Bogdan State and Lada Adamic

*Saturday, June 25 continued* GENERAL SESSION

START	END	LOCATION
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## AGENDA

1:50	2:35	<b>Economic Content Analysis</b>	<b>Jacobs G05</b>
		FOMC Responses to Calls for Transparency	Miguel Acosta
		Measuring Discrimination in Online Freelance Marketplaces	Aniko Hannak, Claudia Wagner, David Garcia, Alan Mislove, Markus Strohmaier and Christo Wilson
		Better in the Shadows? Media Coverage and Market Reactions to Female CEO Appointments	Kevin Gaughan and Edward Bishop Smith
1:50	2:35	<b>Content Analysis</b>	<b>Jacobs G27</b>
		Cultural Influences on the Measurement of Psychological Phenomena: Value-behavior Relationships in India and the United States	Steven Wilson, Ryan Boyd, Rada Mihalcea and James Pennebaker
		SOCQA: Active Machine Learning Tool for Qualitative Text Analysis	Jasy Suet Yan Liew, Kevin Crowston and Nancy McCracken
		Human and Algorithmic Judgment in Resume Screening: Evidence from a Field Experiment	Bo Cowgill
2:50	3:30	Poster Session	Jacobs LSR
3:30	4:00	<b>Break</b>	Jacobs
4:00	4:40	<b>Keynote by</b> Matthew Salganik, Princeton University "Experiments in the Digital Age"	OLC Forum
4:40	5:20	<b>Editor's Panel</b> with Barbara Jasny (Science), Aaron Clauset (Science Advances), James Evans (American Journal of Sociology), Stavroula Kousta (Nature Human Behavior), and Boleslaw Szymański (IEEE Transactions on Computational Social Systems)	OLC Forum
5:20	6:00	<b>Keynote by</b> David Ferrucci, Bridgewater Associates "AI: Episode II - The Quest for Understanding"	OLC Forum

### *Sunday, June 26* GENERAL SESSION

START	END		LOCATION
8:00	1:00	Publishers' Tables	Jacobs Lobby
7:30	8:30	<b>Continental Breakfast and Poster Set-Up</b>	Jacobs
8:30	9:10	Poster Session	Jacobs LSR
9:10	10:40	<b>Concurrent Sessions 4</b>	
9:10	10:40	<b>Science of Science 2</b>	<b>Jacobs 101</b>
		Mapping Science with Variable-order Markov Dynamics Reveal Overlapping Fields and Multidisciplinary Journals	Christian Persson, Ludvig Bohlin, Daniel Edler and Martin Rosvall
		Trends and Gaps in Scholarly Productivity of Computer Science Faculty	Samuel Way, Daniel Larremore and Aaron Clauset
		Weighting Experimental Claims to Leverage Scientific Exploration	Valentin Danchev, Jacob G. Foster and James Evans

### *Sunday, June 26 continued* GENERAL SESSION

START	END		LOCATION
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## AGENDA

		Using Text Analysis to Quantify the Similarity and Evolution of Scientific Disciplines	Martin Gerlach, Laercio Dias and Eduardo G. Altmann
		Ambiguity and Intellectual Engagement	James Evans and Peter McMahan
		A Linked Data Infrastructure for Science and Innovation Studies: A Demonstrator	Ali Khalili, Frank Van Harmelen, Peter Van Den Besselaar and Marc Barbier
9:10	10:40	<b>Health and Well-being</b>	<b>Jacobs G03</b>
		Assessing the Effectiveness of Recommendation Algorithms for Health Message Design: An Experiment	Hyun Suk Kim, Sijia Yang, Minji Kim and Joseph Cappella
		Propensity Score Model Selection with an Application to India's Safe Motherhood Scheme	Nandana Sengupta and Aakanksha Sinha
		Distilling the Outcomes of Personal Experiences from Social Media Timelines	Alexandra Olteanu, Onur Varol and Emre Kiciman
		Climate Change and African Pastoralists: A Computational Analysis	Takuto Sakamoto
9:10	10:40	<b>Political Content Analysis</b>	<b>Jacobs G27</b>
		Topic Models as Affiliation Networks	Marshall Taylor, Ann Mische and Leslie MacColman
		Distributed Representations of Institutions and Their Policy Text	John J. Nay
		Text Reveals Influence: The Case of Amicus Briefs and the Supreme Court	Yanchuan Sim, Bryan Routledge and Noah A. Smith
		Strategic Changes in Gubernatorial Campaign Messaging Over Time: A Computational Analysis	Jennifer Stromer-Galley, Sikana Tanupabrungsun, Feifei Zhang, Jeff Hemsley, Nancy McCracken, Lauren Bryant, Brian Dobreski and Bryan Semaan
		Legal Evolution: Temporal Patterns of Precedent Citation & Judicial Opinion Impact	Ryan Whalen, Satyam Mukherjee and Brian Uzzi
		Automated Text Analysis to Unframe the News	Dallas Card, Amber Boydston and Noah Smith
9:10	10:40	<b>Economic Models</b>	<b>Jacobs 160</b>
		Altruists Stabilize Cooperation in a Long-run Prisoner's Dilemma Experiment	Andrew Mao, Lili Dworkin, Siddharth Suri and Duncan Watts
		Modeling Financial Markets by Self-Organized Criticality	Alessio Emanuele Biondo, Alessandro Pluchino and Andrea Rapisarda
		Cities and Resilience to Automation: Specialization or Diversity?	Morgan Frank, Lijun Sun, Manuel Cebrian, Hyejin Youn and Iyad Rahwan
		From Local Popularity to Global Influence: A Computationally Effective Heuristic for Influence Maximization	Srayan Datta, Ceren Budak and Daniel Romero
		Navigating Norms: Making Sense of Products in Contested Markets	Cyrus Dioun and Heather Haveman

*Sunday, June 26 continued* GENERAL SESSION

START	END	LOCATION
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## AGENDA

		Market Imitation and Win-Stay Lose-Shift Strategies Emerge as Unintended Patterns in Market Direction Guesses	Josep Perelló, Jordi Duch, Carlota Segura and Mario Gutiérrez-Roig
9:10	10:40	<b>Success</b>	<b>Jacobs G05</b>
		Quantifying the Dynamical Impact of Individual Scientists	Lu Liu, Yang Wang, Chaoming Song and Dashun Wang
		Team Assembly Factors Influencing the Victor in Competitive Environment	Satyam Mukherjee, Yun Huang, Julia Neidhardt, Brian Uzzi and Noshir Contractor
		Acknowledging Gender Inequality in Sociology: A Network Analysis	Quincy Stewart, Saheli Nath and Fabio Rojas
		The Formation and Imprinting of Network Effects Among the Business Elite	Brian Uzzi, Yang Yang and Kevin Gaughan
		ForestSim: Assessing the Sustainability of Bioenergy Production Using Agent-Based Simulation	Mark Rouleau and Ashma Vaidya
		The Emergence and Evolution of Collaborative Stories	Christine Cuskley, Bernardo Monechi, Pietro Gravino and Vittorio Loreto
9:10	10:40	<b>Social Media 2</b>	<b>Jacobs G40</b>
		The Distress Trajectories After A Terrorist Attack	Xidao Wen and Yu-Ru Lin
		Trend Spotting and Demographics in Twitter	Jisun An and Ingmar Weber
		Spatial and Temporal Inhomogeneity of Geo-tagged Twitter Data	Eun-Kyeong Kim and Alan MacEachren
		Exploring Limits to Prediction in Complex Social Systems	Travis Martin, Jake Hofman, Amit Sharma, Ashton Anderson and Duncan Watts
		Unsupervised Classification in Twitter based on Joint Complexity	Dániel Kondor and Dimitrios Milioris
		Automatic Misinformation Detection on Social Media Spaces during Crisis Events	Li Zeng, A. Conrad Nied, Logan Walls, John Robinson, Kate Starbird and Emma S. Spiro
10:40	11:10	<b>Break</b>	<b>Jacobs</b>
11:10	11:50	<b>Keynote by</b> Shawndra Hill, Microsoft "Measuring the Impact of TV Content on Digital Behaviors"	OLC Forum
11:50	12:30	<b>Keynote by</b> Jon Kleinberg, Cornell University	OLC Forum
12:30	1:00	Closing Remarks by Noshir Contractor, Northwestern University + Best Poster Award	OLC Forum
1:00		<b>Box Lunch</b>	Jacobs Atrium

## POSTER SESSION

*Saturday, June 25*

AUTHOR	TITLE
Jacob Fisher, Jonathon Cummings and Yong-Mi Kim	Abandoning Innovations: Network Evidence on Enterprise Collaboration Software
Shu-Heng Chen, Bin-Tzong Chie, Ying-Fang Kao, Timo Meyer and Ragupathy Venkatachalam	Agent-based Macroeconomic Models: Does Size Matter?
Lingxin Hao and Zhaohao Fu	Agent-based Modeling of Networks in China's Rural-Urban Migration
Zining Yang	An Agent-based Dynamic Model of Politics, Fertility and Economic Development
Santa Agreste, Pasquale De Meo, Emilio Ferrara, Sebastiano Piccolo and Alessandro Provetti	Analysis of a Heterogeneous Social Network of Humans and Cultural Objects
Edmond Awad, Alex Rutherford, Manuel Garcia-Herranz and Iyad Rahwan	Analyzing Interactions of Syrian Refugees on Facebook Using Topic Modeling
Yuheng Hu and Kevin Hong	Analyzing Location Disclosure Behavior on Instagram
Junghwan Yang, Arash Sangari, Weiqi Zhang and Dhavan Shah	Applying Supervised Machine Learning to Compute Political Ideology Among Twitter Users
Vudtiwat Ngampruetikorn and Greg J Stephens	Bias, Belief and Consensus: Collective Opinion Formation on Fluctuating Networks
Seth Frey, Robert W. Sumner and Maarten W. Bos	Blind Moderation of User-generated Content in the Child-focused Use Case
Reid Johnson, Yuxiao Dong and Nitesh Chawla	Can Scientific Impact Be Predicted?
Yilang Peng	Can Self-disclosure Drive Online Activism? Personal Story, Selfie and the Loss of Collective Identity in Contemporary Activism
Michael Schnabel and Daniel Diermeier	Charting and Exploring the Opinion Space of Generic Spin Models on Arbitrary Network Topologies
Connie Wang and Shu-Heng Chen	Chinese University Admission Mechanisms: Should We Defer Deferred Acceptance?
Daniel Barkoczi and Mirta Galesic	Clarifying the Relationship Between Network Structure and Collective Problem Solving
Yuan Li and Bin Xiong	Community Detection in Dynamic Social Network with Node Attributes and Edge Content
Piotr Szymański and Tomasz Kajdanowicz	Community Detection Methods form a Viable Alternative to Random Approach for Label Space Division in Multi-label Classification
Liangyue Li, Hanghang Tong, Nan Cao, Kate Ehrlich, Yu-Ru Lin and Norbou Buchler	Computational Methods to Enhance Team Composition in Networks
Peter Van Den Besselaar	Computational Social Sciences - Niche or Paradigm Change?
Xiaozhong Liu	Computational Student Information Need Estimation for Cyberreading
Roman Bartusiak and Tomasz Kajdanowicz	Cooperation Prediction in Github Developers Network
Radosław Michalski, Przemysław Kazienko and Marcin Kulisiewicz	Core Nodes As the Influencers in Temporal Social Networks
Takaaki Ohnishi, Akira Ishii and Keiko Toya	Correlation Between the Financial Evaluations and the Pagerank of Inter-firm Payment Flows Using Real Monetary Transaction Records Between Firms
Jacob Miller, David Gefen and Vk Narayanan	Creating Technological Frames: Latent Semantic Analysis of Discourse on Smartphones
Yoshihiko Suhara, Xiaowen Dong, Burçin Bozkaya and Alex "Sandy" Pentland	Deepshop: Understanding Purchase Patterns Via Deep Learning

## POSTER SESSION

### *Saturday, June 25 - Continued*

AUTHOR	TITLE
Piotr Szymański	Discovering the Co-authorship Network of 2nd Polish Republic Scientists Using Multiple Electronic Data Sources
Degang Wu and Kwok Yip Szeto	Does Having More Options Mean Harder to Reach Consensus?
Haris Memic and Robert Ackland	Dynamic Network Analysis of Australian Advocacy Groups on Twitter
Fujio Toriumi, Hitoshi Yamamoto and Isamu Okada	Effect of Rewarding Systems in Social Media
Yuki Ogawa, Hitoshi Yamamoto, Tetsuro Kobayashi and Takahisa Suzuki	Effects of Twitter Contacts on Perceived Distributions of Public Opinions
Eszter Bokanyi, Zoltan Labszki and Gabor Vattay	Estimating US County Unemployment Rates from Twitter Messages
Ryan Whalen and Noshir Contractor	Explorative Knowledge Search, Team Diversity, and Research Impact
Hedwig Lee, Tyler McCormick, Emma Spiro and Nina Cesare	Exploring Relationship Dynamics Between Citizens and the Police Via Twitter
Kazutoshi Sasahara	Exploring Semantic Structures of Online Collective Attention
Fredrik Erlandsson, Piotr Bródka, Anton Borg and Henric Johnson	Finding Influential Users in Social Media Using Rule Learning
Eshin Jolly and Luke Chang	The Function of Communication: Groups, Gossip and Social Dilemmas
Mohsen Jadidi, Fariba Karimi, Claudia Wagner and Markus Strohmaier	Gender Disparities in Scientific Collaboration Networks
Sucheta Soundarajan, Acar Tamersoy, Elias Khalil, Tina Eliassi-Rad, Duen Horng Chau, Brian Gallagher and Kevin Roundy	Generating a Sequence of Structurally Mature Networks from Streaming Edge Data
Dhaval Adjodah, Peter Krafft, Alejandro Noriega and Alex "Sandy" Pentland	Harnessing Social Learning to Improve Crowd-Sourced Prediction
Emoke-Agnes Horvat, Jayaram Uparna and Brian Uzzi	Hidden Indicators of Collective Intelligence in Crowdfunding
Valerio Ciotti, Moreno Bonaventura, Pietro Panzarasa, Vincenzo Nicosia and Vito Latora	Homophily and Missing Links in Citation Networks
Moonhoon Choi and Ari Kim	How Crisis Spreads in Social Media and Affects the Attitude Toward the Host City of Mega Sports Event: In Case of Zika Virus and 2016 Brazil Olympic Games
Pouya Rahmati, Ali Tafti, Rui Guo and Chris Westland	How Do Firms Digitize Through Inter-firm Relationships? Network Positioning and Digital Complexity
James Evans and Misha Teplitskiy	How Firm Is Sociological Knowledge? Reanalysis of GSS Findings with Alternative Models and Out-of-Sample Data, 1972-2012
Meysam Alizadeh, Ingmar Weber, Claudio Cioffi-Revilla and Michael Macy	Identifying and Characterizing US Domestic Extremist Individuals on Twitter
Dmytro Karamshuk, Tetyana Lokot, Oleksandr Pryymak and Nishanth Sastry	Identifying Partisanship in News Articles and Twitter Using Natural Language Processing
Yilin Zhang, Karl Rohe and Chris Wells	Identifying Sub-populations of French Voters on Facebook with Spectral Contextualization
Jacqueline Ng, Seyed Iravani and Noshir Contractor	The Impact of a Graphical Network Interface for Online Discussions on Student Learning

## POSTER SESSION

### *Saturday, June 25 - Continued*

AUTHOR	TITLE
Şirag Erkol and Gönenç Yücel	Influence Maximization Based on Partial Network Structure Information: A Comparative Analysis on Seed Selection Heuristics
Eun Lee and Petter Holme	The Influence of Heterogeneous Threshold in Opinion Dynamics
Mark Costa	The Interdependence of Scientists in Team Science Environments
Natalie Herbert, Soojong Kim and Damon Centola	Is Inequality Inevitable? An Agent-based Bargaining Model of Network Structure and Nominal Characteristic Tags
Roman Bartusiak and Tomasz Kajdanowicz	Large Scale Network Measures Computation Using Bulk Synchronous Parallel Approach in Comparison to Centralized Methods
Pietro Gravino, Cesare Bianchi, Bernardo Monechi, Vito D. P. Servedio and Vittorio Loreto	LEGO Pixel Art: Identifying Creativity Through a Web-based Game-shaped Experiment
Fredrik Jansson, Pontus Strimling, Irina Vartanova and Kimmo Eriksson	The Moral Psychology of Liberals and Conservatives Can Predict Public Opinion Dynamics
Alessio Emanuele Biondo	A Multi-Quantity Order Book Model
Jaimie Murdock, Colin Allen and Simon Dedeo	Production and Consumption of Victorian Science in Charles Darwin's Scientific Practice

### *Sunday, June 26*

AUTHOR	TITLE
Clément Thibert, Sevil Zeinali, Matthieu Quignard and Jean-Philippe Magué	Linguistic Variability Among Communities of French Speaking Twitter Users
S. M. Niaz Arifin, Mei Li, Sarv Devaraj and Gregory Madey	Managed Healthcare: Modeling Decision Processes by Physician Groups Within Healthcare Supply Networks
Rebecca Jen-Hui Wang	Managing Loyalty Programs in the Mobile and Digital Era: An Empirical Study
Akira Ishii and Akiko Kitao	Mathematical Model for Hit Phenomena As a Tool of Computational Social Sciences
Daniel Citron, Samuel Way and Laurence Brandenberger	Measuring Topological Transitions in Scientific Collaboration Networks Using Topic Modeling for Subfield Detection
James Evans, Aaron Gerow, David Blei, Jordan Boyd-Graber and Yuening Hu	A Model of Author and Institution Textual Influence
Kenenbek Arzymatov, Igor Pospelov and Aleksandra Zhukova	Modeling of Financial Bubbles in Illiquid Market of Rational Agents
Yohsuke Murase, Hang-Hyun Jo, János Török, János Kertész and Kimmo Kaski	Modeling the Role of Relationship Fading and Breakup in Social Network Formation
Taraneh Khazaei, Lu Xiao, Robert Mercer and Atif Khan	Modelling Social Privacy Behavior in Twitter Data
Xiao Yang, Iadh Ounis and Craig Macdonald	Monitoring Electoral Violence Through Social Media: A Machine Learning Approach
Tse-Chuan Yang, Daniel Kifer and Stephen Matthews	Multiple Imputations of Subregions with Censored Location Data: A Kullback-Leibler Divergence Approach
Giuseppe Pappalardo, Tháris T.P. Souza, Guido Caldarelli, Soong Moon Kang and Tomaso Aste	Multiplex Structure of Social Media and Financial Networks

## POSTER SESSION

### *Sunday, June 26 - Continued*

AUTHOR	TITLE
Craig Evans and Jana Diesner	Mutual Impact and Stability of Personal Ethics and Structural Balance in a Communication Network Over Time
George Vega Yon, Stephanie Dyal, Timothy Hayes and Thomas Valente	Network Diffusion of Innovations in R: Introducing Netdiffuser
Yu Cheng, Yu-Ru Lin and Hanghang Tong	A Network Regression Framework for Forecasting Labor Transitions
Benjamin Smith, Andrea Figueroa-Caballero and Michael Stohl	Networks of Terror: A Computational Approach to Studying the Communicatively Constituted Terrorist Actor
Thársis T. P. Souza and Tomaso Aste	A Nonlinear Impact: Evidences of Causal Effects of Social Media on Market Prices
Alessio Emanuele Biondo, Alfio Giarlotta, Alessandro Pluchino and Andrea Rapisarda	Perfect Information Vs Random Investigation: Safety Guidelines for a Consumer in the Jungle of Product Differentiation
Silvia Fierascu and Balazs Vedres	Politicized Business Groups and Collusion in Public Procurement Contracts
Subrina Farah	Powerful Impacts of a Specialized Academic Intervention Program: A Big Data Approach
Shuqing Gao, Hao Chen, Kaisheng Lai, Guo-An Yue and Weining Qian	Predicting Regional Variations of Nationalism with Online Expression of Disgust Emotion in China
Zhiya Zuo, Xi Wang, Kang Zhao and David Eichmann	The Prevalence and Interdisciplinarity of Collaborations in Multidisciplinary Institutions - A Case Study of iSchools
Damian Ruck, Dan Lawson and R. Alexander Bentley	Principal Values in Two Decades of Global Cultural Change
Xiaowen Dong, Eaman Jahani, Burçin Bozkaya, Bruno Lepri and Alex "Sandy" Pentland	Purchase Pattern, Socioeconomic Status, and Political Inclination
Luiz G. A. Alves, Renio Dos Santos Mendes, Ervin Lenzi and Haroldo Ribeiro	Quantifying and Predicting the Performance of Cities Via Scale-adjusted Metrics
David O'Sullivan, Mariano Beguerisse-Díaz, Guillermo Garduño-Hernández and James Gleeson	Quantifying Interactions Among Twitter Users Based on Sentiment, Affinities, and Relationships, Using Data from the Irish Marriage Referendum
Przemysław Grabowicz, Mahmoudreza Babaei, Juhi Kulshrestha, Krishna Gummadi and Ingmar Weber	The Road to Popularity: The Dilution of Growing Audience on Twitter
Fredrik Jansson and Gunn Elisabeth Birkelund	Segregation Within School Classes: Deriving Social Ties from Register Data
Andrea Rapisarda, Alessandro Pluchino and Dario A. Zappalà	Selective Altruism in Collective Games with Different Network Topologies
Lukasz Augustyniak, Tomasz Kajdanowicz, Roman Bartusiak and Piotr Szymański	Sentiment Analysis Using Community Detection in Big Unlabeled Corpora
Jaroslav Jankowski, Piotr Bródka, Tomasz Kajdanowicz, Przemysław Kazienko, Bolesław Szymański and Radosław Michalski	Sequential Seeding in Social Networks
Seth Frey, Karsten Donnay, Dirk Helbing, Bob Sumner and Maarten Bos	The Social Dimensions of Self-influence in a Young Online Population



## POSTER SESSION

### *Sunday, June 26 - Continued*

AUTHOR	TITLE
Sara Soderstrom, Brian Uzzi, Derek Rucker, James Fowler and Daniel Diermeier	Social Influence Effects on the Adoption of Innovations Over Their Lifecycle
Peter Krafft, Nicolas Della Penna and Alex "Sandy" Pentland	Social Influence in Cryptocurrency Markets: A Randomized Field Experiment
Nicholas Peiper, Rob Chew and Peter Baumgartner	Social-Ecology Meets Twitter: A Sociocentric Analysis of Medical Marijuana Dispensaries in Two California Communities
Yohsuke Murase, Takeshi Uchitane and Nobuyasu Ito	A Software Framework for Parameter-Space Explorations
Spyros Angelopoulos and Yasmin Merali	Sometimes a Cigar Is Not Just a Cigar: Exploring the Entanglement of Online Sociability and Offline Interactivity on Online Communities
Marco De Nadai, Xiaowen Dong, Roberto Larcher, Alex "Sandy" Pentland and Bruno Lepri	Spatial Structure of Cities: How Neighborhoods' Activity Patterns Shape Inequality and Polycentricity
Julia Poncela-Casasnovas and Brian Uzzi	The Spread of Negative Links in Social and Economic Networks
Sijia Yang, Hyun Suk Kim, Poong Oh, Minji Kim and Joseph Cappella	Tailoring by "Cloning": Comparing Four Collaborative Filtering Algorithms to Effectively Recommend Anti-Smoking Health Messages
Antonis Matakos and Panayiotis Tsaparas	Temporal Mechanisms of Polarization in Online Reviews
Jason Radford, Amotz Bar-Noy, Alexey Nikolaev, Saad Mneimneh, David Lazer and Ram Ramanathan	Testing Higher-Order Network Structures in an Online Experiment
Dimitrios Milioris and Dániel Kondor	Topic Detection Completeness in Twitter: Is It Possible?
Jaimie Murdock, Jiaan Zeng and Colin Allen	Towards Evaluation of Cultural-Scale Claims in Light of Topic Model Sampling Effects
Santa Agreste, Pasquale De Meo, Emilio Ferrara, Sebastiano Piccolo and Alessandro Provetti	Trust Networks: Topology, Dynamics and Measurements
Bob Boynton, Yelena Mejova and Zubair Shafiq	Twitter and the Iowa Caucus
Anahita Davoudi	Using Centrality Measures in Social Networks for Product Rating Prediction
Carlos Gallo, Wouter Vermeer, Justin Smith, Stacie Harissis, Hendricks Brown, Michael Newcomb and Brian Mustanski	Using Text Mining to Automatize Literature Reviews
Vicky Chuqiao Yang, Andrew Papachristos and Daniel Abrams	Why Bigger Cities Have More Inventions, Crime and Disease: A Mathematical Model for Superlinear Scaling in Urban Output
Katharine Anderson	Writers, Designers, and Software Developers: Skill Networks and Measures of Complex Human Capital in Freelance Labor Markets

*Agenda updated on June 14, 2016*