

## AGENDA

### ***2018 International Conference on Computational Social Science***

12 July – 15 July 2018 | #IC2S2 | [kell.gg/ic2s2](http://kell.gg/ic2s2)

#### Agenda as of 13 July 2018

Green = Breaks and Meals | Grey = Concurrent Sessions

#### ***Thursday 12 July*** / Pre-session + Datathon & Skills Workshops

START	END		LOCATION
8:00	6:00	IC2S2 Information Desk	Abbott Pavilion, 1st Floor
8:00	10:00	Continental Breakfast	French Quarter, 2nd Floor
9:00	10:30	Skills Workshops: Session 1	
		1a) Network Analysis with Roger Guimerà	1420
		1b) Computational Psychometrics with Alina von Davier, ACTNext by ACT and Pietro Cipresso, Istituto Auxologico Italiano	1430
10:00	6:00	Datathon	Innovation Lab, Lower Level
10:30	10:50	Break	
10:50	12:00	Skills Workshops: Session 1 Continued	1420, 1430
12:00	1:00	Lunch	Marketplace, 1st Floor
1:00	1:50	Skills Workshops: Session 2	
		2a) "Now They See it: Visual Communication of the Patterns in your Data" with Steve Franconeri, Northwestern University	1420
		2b) "Using Web of Science Citation Data for 'science of science' Studies on the Global Research" with Joe Brightbill, Network Lead, Custom Data	1430
1:50	2:10	Break	
2:10	3:00	Skills Workshops: Session 2 Continued	1420, 1430
3:00	3:30	Break	
3:30	4:30	Skills Workshop: Session 3	
		3a) "Creating Interactive Visualizations with R Shiny" with Christina Maimone, Northwestern University Information Technology	1420
		3b) Building Multi-level Agent-based Models with NetLogo and LevelSpace with Bryan Head and Arthur Hjorth	1430
4:30	4:45	Break	
4:45	6:00	Skills Workshop: Session 3 Continued	1420, 1430
6:00	7:00	Networking and Dinner	Marketplace, 1st Floor
7:00	10:00	Datathon: Working Session	Innovation Lab, Lower Level

## Friday 13 July | General Session

START	END		LOCATION
7:30	6:00	IC2S2 Information Desk	Abbott Pavilion, 1st Floor
7:30	8:30	<b>Continental Breakfast</b>	Marketplace, 1st Floor
8:30	8:50	Welcome by Dean Julio Ottino, Brian Uzzi and Noshir Contractor	White Auditorium, 2nd Floor
8:50	9:30	<b>Keynote:</b> Duncan Watts, Microsoft <i>Contagion on Social Networks</i>	White Auditorium, 2nd Floor
9:30	10:00	Datathon Presentations #1	White Auditorium, 2nd Floor
10:00	10:40	<b>Keynote:</b> Iain Couzin, University of Konstanz, Germany <i>Collective Sensing and Decision-Making in Animal Groups: From Fish Schools to Primate Societies</i>	White Auditorium, 2nd Floor
10:40	11:10	<b>Break</b>	
11:10	11:50	<b>Keynote:</b> Nitesh Chawla, University of Notre Dame <i>What Does the Quantified Self Tell about Qualified Self</i>	White Auditorium, 2nd Floor
11:50	12:30	<b>Keynote:</b> Marta Sales-Pardo, University Rovira i Virgili <i>Using Inference for Prediction on Social Systems</i>	White Auditorium, 2nd Floor
12:30	2:30	<b>Lunch &amp; Demonstration Tables</b>	Marketplace, 1st Floor & French Quarter, 2nd Floor
2:30	4:30	<b>Concurrent Sessions 1</b>	
		1a: Text and Social Media	1130
		1b: Culture	1420
		1c: Science of Science	1430
		1d: Health and Well-Being	L110
		1e: Politics	L120
		1f: Methods	L130
4:30	5:00	<b>Break</b>	
5:00	5:40	<b>Keynote:</b> David Ferrucci, Elemental Cognition, Founder and CEO <i>Understanding understanding</i>	White Auditorium, 2nd Floor
5:40	5:50	Datathon Awards	White Auditorium, 2nd Floor
5:50	7:00	<b>Networking / Conference Reception</b>	French Quarter, 2nd Floor & Terrace, 1st Floor

## Saturday 14 July | General Session

START	END		LOCATION
7:30	6:00	IC2S2 Information Desk	Abbott Pavilion, 1st Floor
7:30	8:40	<b>Continental Breakfast</b>	Marketplace, 1st Floor
8:00	8:40	Poster Session Set-Up	Gies Plaza
8:40	9:20	<b>Keynote:</b> Damon Centola, University of Pennsylvania <i>How Behavior Spreads</i>	White Auditorium, 2nd Floor
9:20	10:00	<b>Keynote:</b> Aaron Clauset, University of Colorado Boulder <i>Scale Free Networks are Rare</i>	White Auditorium, 2nd Floor
10:00	10:30	<b>Break</b>	
10:30	11:10	<b>Keynote:</b> Marta C. Gonzalez, University of California, Berkeley <i>Modeling and Planning Urban Systems with Novel Data Sources</i>	White Auditorium, 2nd Floor
11:30	12:30	<b>Concurrent Sessions 2</b>	
		2a: Gender	1110
		2b: Corporations	1120
		2c: Application of Algorithms	1130
		2d: Space	L110
		2e: Social Class	L120
		2f: Conversation	L130

## Saturday 14 July (Continued)

START	END		LOCATION
12:30	2:00	Lunch & Demonstration Tables	Marketplace, 1st Floor & French Quarter, 2nd Floor
2:00	3:00	Concurrent Sessions 3	
		3a: Words	1110
		3b: Music	1120
		3c: Personality	1130
		3d: Social Movements	L110
		3e: Cooperation	L120
		3f: Collective Behavior	L130
3:00	3:50	<b>Poster Session I</b>	Gies Plaza, 1st Floor
3:50	4:10	Break	
4:10	4:50	<b>Keynote:</b> Matt Jackson, Stanford University <i>Dynamic Networks and Increasing Homophily and Polarization</i>	White Auditorium, 2nd Floor
4:50	5:30	<b>Keynote:</b> David Lazer, Northeastern University <i>The future(s) of computational social science</i>	White Auditorium, 2nd Floor
5:30	6:30	Networking Reception	Allen Center
6:30	9:00	Conference Banquet <b>Banquet Keynote:</b> Moran Cerf, Northwestern University <i>Usage of Neuroscience in Computational Social Science</i>	Allen Center

## Sunday 15 July / General Session

START	END		LOCATION
7:30	2:00	IC2S2 Information Desk	Abbott Pavilion, 1st Floor
7:30	8:30	Continental Breakfast	Marketplace, 1st Floor
8:40	9:20	<b>Poster Session II</b>	Gies Plaza, 1st Floor
9:35	11:05	Concurrent Sessions 4	
		4a: News and Media Consumption	1110
		4b: Online Platforms and Experiments	1120
		4c: Scientific Collaboration and Impact	1130
		4d: Teams	L110
		4e: Learning	L120
		4f: <b>Panel sponsored by SAGE Ocean</b> <i>Ethics in Computational Social Science</i> <b>Panelists:</b> Jake Metcalf, Michelle N. Meyer, Laura Norén and Michael Zimmer <b>Moderators:</b> Noshir Contractor and Ian Mulvaney	1420
11:05	11:30	Break and Demonstration Tables	Marketplace Hall, 1st Floor & French Quarter, 2nd Floor
11:30	12:10	<b>Keynote:</b> Tanzeem Choudhury, Cornell University <i>How Social Science can Influence Technology Design for Influencing Behavior in the Physical World</i>	White Auditorium, 2nd Floor
12:10	12:50	<b>Keynote:</b> Lada Adamic, Facebook <i>How Cascades Grow</i>	White Auditorium, 2nd Floor
12:50	1:10	Best Poster/Paper Award, Closing Remarks by Noshir Contractor & Brian Uzzi	White Auditorium, 2nd Floor
1:10		Box Lunch	French Quarter, 2nd Floor
1:10	2:00	Poster Pick-Up (All Posters To Be Removed by 2:00pm)	Gies Plaza, 1st Floor

## Concurrent Sessions 1a – 1c

SESSION / TALK	AUTHORS
<b>1a: Text and Social Media</b>	
Network Analysis of the 2016 Presidential Campaign Tweets	Dmitry Zinoviev
Socioeconomic and Network Dependencies of Linguistic Patterns in Twitter	Jacob Abitbol Levy, Márton Karsai, Jean-Pierre Chevrot, Jean-Philippe Magué and Eric Fleury
You Are No Jack Kennedy: On Media Selection of Highlights from Presidential Debates	Chenhao Tan, Hao Peng and Noah Smith
Citizen Curators of Digital (Dis)Information: State, Media and Civil Society in the Information Warfare over Ukraine	Yevgeniy Golovchenko, Mareike Hartmann and Rebecca Adler-Nissen
I Stand with You: Detecting and Characterizing Expressions of Solidarity in Social Media	Sashank Santhanam and Samira Shaikh
Bots on Twitter: Political or Just Prevalent?	Stefan Wojcik, Solomon Messing and Skye Toor
Evidence of Complex Contagion of Information in Social Media: an Experiment Using Twitter Bots	Bjarke Moensted, Piotr Sapieżyński, Emilio Ferrara and Sune Lehmann
Social Media and the Rise of Dark Horse Candidates	Yotam Shmargad and Limin Zhang
<b>1b: Culture</b>	
The Geometry of Meaning: Analyzing Culture Through Word Embeddings	Austin Kozlowski, Matt Taddy and James Evans
Temporal Scaling of Repeated Failures	Yian Yin, Yang Wang, James Evans and Dashun Wang
Global Epistemic Cultures and Their Nationalized Forms	Charles Gomez
Quantifying Reputation and Success in Art	Samuel Fraiberger, Roberta Sinatra, Christoph Riedl and Laszlo Barabasi
Structural Properties of Canon-Formation in the Western Art World	Júlia Perczel and Balázs Vedres
The Structure of Mythologies Explains Early Human Migrations Out of Africa	Hyunuk Kim, Marcus J. Hamilton, Woo-Sung Jung and Hyejin Youn
A Novel System for Transformation of Regional Cuisine Style	Masahiro Kazama, Keisuke Matsushima, Lav R Varshney and Yoshiki Ishikawa
<b>1c: Science of Science</b>	
Measuring the Evolution of a Scientific Field Through Citation Frames	David Jurgens, Srijan Kumar, Raine Hoover, Dan McFarland and Dan Jurafsky
Universal Links Between Mentor's Tacit Knowledge Transfer and Protégés' Propensity for Leading Scientific Thinking	Yifang Ma, Satyam Mukherjee and Brian Uzzi
Why Citations Don't Mean What We Think They Mean: Evidence from Citers	Misha Teplitskiy, Eamon Duede and Karim Lakhani
Prestige Drives Epistemic Inequality in the Diffusion of Scientific Ideas	Allison Morgan, Dimitrios Economou, Samuel Way and Aaron Clauset
Preferential Desertion Induces Structural Collapse in Science and Technology	Binglu Wang and Dashun Wang
Generalists and Specialists: Quantifying Activity Diversity in Online Platforms	Shunzhe Yu, Isaac Waller and Ashton Anderson
Too Many Papers? Slowed Canonical Progress in Large Fields of Science	Johan Chu and James Evans
Centralized "Big Science" Communities More Likely Generate Non-Replicable Results	Valentin Danchev, Andrey Rzhetsky and James Evans

## Concurrent Sessions 1d – 1f

SESSION / TALK	AUTHORS
<b>1d: Health and Well-Being</b>	
Preventing HIV by Analyzing Text Messages Written by Adolescent MSM	Carlos Gallo, Hendricks Brown, Kevin Moran and Brian Mustanski
Large-Scale Investigation of the Reasons Why Potentially Important Genes Are Ignored	Thomas Stoeger, Martin Gerlach, Richard Morimoto and Luis Nunes Amaral
Inferring the Organizing Principles of Young Men Who Have Sex with Men from Combining Many Sex-Reports	Balint Neray, Johan Koskinen, Patrick Janulis, Gregory Phillips II and Michelle Birkett
The Diffusion of Opioids in Family Households	Abigail Jacobs, Mathijs De Vaan and Toby Stuart
Community Centrality and Boundary Work	Jessica Santana
Measuring the Unmeasurable - A Project of High Risk Families Prediction and Management	Pei Fang Hsieh
Tie Strength Precedes Social Embeddedness	Giovanna Miritello, Manuel Cebrián, César Hidalgo and Esteban Moro
Analyzing Linguistic Manifestations of ADHD in Adults on Social Media	Sharath Chandra Guntuku, Russell Ramsay, Raina Merchant and Lyle Ungar
<b>1e: Politics</b>	
<b>L120</b>	
The Wisdom of Polarized Crowds	Feng Shi, Misha Teplitskiy, Eamon Duede and James Evans
Evolution and Formation of Judicial Advocacy Network	Satyam Mukherjee and Ryan Whalen
Mesoscopic Signatures of Covert Groups: Changes in Motif Composition of the Provisional Irish Republican Army from 1970 to 1989	Malgorzata Turalaska and Ananthram Swami
Who Speaks in the People's House? Policy Debate and Unequal Representation in the U.S. Congress	Nick Judd
Bipartisan Networks Reduce Political Bias in the Interpretation of Climate Trends	Douglas Guilbeault, Joshua Becker and Damon Centola
Opinion Fragmentation and Post-Truth Dynamics in Social Networks	Cristian Huepe
The Where, What and When of Petitioning in the UK: a Case Study of Petitions Submitted to the UK Government	Bertram Vidgen and Taha Yasseri
The Dark Side of Resilience: Evolution of Market Competition Under the Affordable Care Act	Dave Gianetto, Mohsen Mosleh and Babak Heydari
<b>1f: Methods</b>	
Evaluating and Comparing Overfit in Models of Network Community Structure	Amir Ghasemian, Homa Hosseinmardi and Aaron Clauset
Detecting Network Effects: Randomizing Over Randomized Experiments	Martin Saveski, Jean Pouget-Abadie, Guillaume Saint-Jacques, Weitao Duan, Souvik Ghosh, Ya Xu and Edoardo M. Airoldi
A Multiple Membership Multiple Classification (MMMC) Model Approach for Egocentric Network Data	Ly Dinh and William Barley
A Structural Model of Homophily and Clustering in Social Networks	Angelo Mele
The Identity Labeling Problem and a "Solution" to It	Kenneth Joseph and Jonathan Morgan
The Importance of Calibration for Estimating Label Proportions	Dallas Card and Noah Smith
Detecting Reciprocity at a Global Scale	Morgan Frank, Nick Obradovich, Iyad Rahwan, Brad Leveck and Lijun Sun

## Concurrent Sessions 2a – 2f

SESSION / TALK	AUTHORS
<b>2a: Gender</b>	
Gender Bias in Sharenting: Both Men and Women Mention Sons More Often than Daughters on Social Media	Ivan Smirnov and Elizaveta Sivak
Semantic Map of Sexism: Topic Modelling of Everyday Sexism Project Entries	Taha Yasseri
The Branching Pipeline: Understanding Gender Disparities Within and Across Fields	Daniel Larremore, Aniko Hannak, Kenneth Joseph and Andrei Cimpian
<b>2b: Corporations</b>	
Evolution of Employment in the United States: a Half-Century of Polarization	Judy Hanwen Shen, Morgan Frank, Esteban Moro Egido and Iyad Rahwan
Labor Cost Advantage of Status and Corporate Social Responsibility: Evidence from a Regression Discontinuity Design	Yuan Tian, Ned Smith and Brayden King
Corporate Politics: the Rise of Partisan Polarization in Firms, 1984-2016	Joshua Gary Mausolf
Eyes on the Horizon? Fragmented Elites and the Short-Term Focus of the American Corporation	Richard Benton and J Adam Cobb
<b>2c: Application of Algorithms</b>	
Improving Refugee Integration Through Data-Driven Algorithmic Assignment	Jens Hainmueller, Kirk Bansak and Jeremy Ferwerda
Addressing Bigger Picture Questions in Human Services Funding with Government Open Data: A Cautionary Tale	Julia Koschinsky and Nicole Marwell
Behavioral Experiments with Social Algorithms: An Information Theoretic Approach to Greying the Black Box	Martin Hilbert, Billy Liu, Jonathan Luu and Joel Fishbein
Blaming Humans in Autonomous Vehicle Accidents: Shared Responsibility Across Levels of Automation	Edmond Awad, Sydney Levine, Max Kleiman-Weiner, Sohan Dsouza, Joshua Tenenbaum, Azim Shariff, Jean-Francois Bonnefon and Iyad Rahwan
<b>2d: Space</b>	
Urban Economies Recapitulate a Common Trajectory	Inho Hong, Morgan Frank, Iyad Rahwan, Woo-Sung Jung and Hyejin Youn
The Role of Microplaces in the Urban Landscape: The Case of the Distribution and Consequences of Violent Crime	Dan O'Brien
<b>2e: Social Class</b>	
Predicting Socio-Economic Indicators for Multiple Countries from Social Media Data	Vedran Sekara, Jonggun Lee, Miguel Luengo, Nick Obradovich, Manuel Garcia-Herranz and Esteban Moro
Economic Correlates of Diversity and Inequality in Online Social Networks	Patrick Park, Minsu Park and Michael Macy
Transitions Between Structurally Balanced and Unbalanced States and Risky Decision-Making in Social Networks	Omid Askari, Jacqueline Ng, Francesco Bullo, Noah Friedkin, Ambuj Singh and Brian Uzzi
Social Classes Shape Our Trajectories in Both Online and Offline Space	Hui-Min Xu, Zhi-Cong Chen and Cheng-Jun Wang
<b>2f: Conversation</b>	
Agendas on Social Media: Inferring Policy Attention from Non-Representative Data	David Ifeoluwa Adelani, Fabian Flöck, Przemyslaw Grabowicz, Scott Hale, Timo Hartman and David Jurgens
The Gossip Hypothesis	Károly Takács, Boróka Pápay, Júlia Galántai and Bálint Kubik
Money Talks: An Empirical Study on the Conversational Structure of Financial Markets	Federica Bianchi, Christoph Stadtfeld and Alessandro Lomi
Friends Under Pressure: The Dynamics of Group Disagreement and Social Structure in Closed Communities	András Vörös

## Concurrent Sessions 3a – 3f

SESSION / TALK	AUTHORS
<b>3a: Words</b>	
Tracing the Origins of Bias in Word Embeddings	Marc-Etienne Brunet, Ashton Anderson and Richard Zemel
Courting of Public Opinion: How We Measure the Discourse of Human Rights Issues in Indonesia Through Topic Modeling of Aksi Kamisan Letters	Aghniadi Aghniadi and Annabelle Wenas
Mapping the Moral Domain: A Factor Analysis of Distributed Representations of Moral Words	Rishemjit Kaur and Kazutoshi Sasahara
Second-Language Learner Text as a Window into the Alignment of Cross-Linguistic Semantics	Molly Lewis and James Evans
<b>3b: Music</b>	
Environmental Changes and the Formation of Musical Identity	Samuel Way, Santiago Gil, Manish Nag and Aaron Clauset
Is There a Gender Gap in the Novelty of Creative Products? Evidence from the Global Music Industry	Michael Mauskapf, Noah Askin, Agnes Horvat and Brian Uzzi
Can Inferred Personality Improve the Accuracy of Music Recommender Systems?	Jan-Felix Schneider and Andrew Schwartz
Social Influence in Music Listenership: A Natural Experiment on 1.3 Million Last.fm Users	John Ternovski and Taha Yasseri
<b>3c: Personality</b>	
Hybrid Intelligence: Preliminary Results from a National Forecasting Competition	Niccolo Pescetelli and Iyad Rahwan
You Are What You Eat: A Social Media Study of Personality Traits	Kazutoshi Sasahara
A New Computational Approach to the Debate on Personality Types Using Large Datasets	Martin Gerlach, Beatrice Farb, William Revelle and Luis Amaral
Analyzing Far-Right Extremist Facebook Group Co-Membership During the "Summer of Hate"	Megan Squire
<b>3d: Social Movements</b>	
Event-Driven Modeling of Crowd Dynamics in Online Social Movements	Hao Peng, Daniel Romero and Ceren Budak
The Role of Ideational and Socio-Structural Isomorphism for Social Movement Success	Laura Nelson
A Simple Model of the Shift from Low to High Lethality in Terror Organizations	Yang Yang, Adam Pah and Brian Uzzi
The Moral Machine Experiment: 40 Million Decisions and the Path to Universal Machine Ethics	Edmond Awad, Sohan Dsouza, Richard Kim, Jonathan Schulz, Joseph Henrich, Azim Shariff, Jean-François Bonnefon and Iyad Rahwan
<b>3e: Cooperation</b>	
Resource Heterogeneity Leads to Unjust Effort Distribution in Climate Change Mitigation	Julian Vicens, Nereida Bueno-Guerra, Mario Gutiérrez-Roig, Carlos Gracia-Lázaro, Jesús Gómez-Gardeñes, Josep Perello, Angel Sánchez, Yamir Moreno and Jordi Duch
Cooperative Multiplex Network Evolution and Responses to Shocks	Keith Burghardt, Daniel Simmons, Luba Levin-Banchik, Michelle Phillips, Paul Smaldino, Raissa D'Souza and Zeev Maoz
Thinking Fast and Slow on Networks: Co-Evolution of Cognition and Cooperation in Structured Populations	Mohsen Mosleh and David Rand
Optimal Networks for Exploration and Exploitation	Pj Lamberson and John Lang
<b>3f: Collective Behavior</b>	
Inference in Network Regression	Frank Marris, Bailey Fosdick and Tyler H. McCormick
Educational Migration from Russia: Social Media Data	Daniel Alexandrov, Ilya Musabirov and Viktor Karepin
Can Individuals Benefit from the Wisdom of Crowds?	Joshua Becker and Damon Centola
An Agent-Based Model of Online Community Joining	Jeremy Foote, Benjamin Mako Hill and Nathan Teblunthuis

## Concurrent Sessions 4a – 4e

SESSION / TALK	AUTHORS
<b>4a: News and Media Consumption</b>	
Can We Predict Elections from Social Media? A Comparison of Computational Methods	Kokil Jaidka and Saifuddin Ahmed
Networks of Audience Overlap in the Consumption of Digital News	Subhayan Mukerjee, Sandra González-Bailón, Sílvia Majó-Vázquez
Tracking Censorship of WeChat Public Accounts in China: a Computational Social Science Approach	King-Wa Fu and Yun Tai
The Backbone Structure of Audience Networks: A New Approach to Comparing Online News Consumption Across Countries	Silvia Majo-Vazquez, Sandra Gonzalez-Bailon and Rasmus K. Nielsen
Bipartite Network Analysis of News-Sharing on Social Media During the UK General Election in 2015	Iain Weaver and Hywel Williams
Voting Behavior, Beliefs, and Online News Consumption: A comparison of survey responses and clickstream data during Brexit using topic models and network analysis	Lorien Jasny, Susan Banducci, Iulia Cioroianu, Travis Coan, Iain Weaver and Hywel Williams
<b>4b: Online Platforms and Experiments</b>	
How “Wide Walls” Can Increase Engagement: Evidence from a Natural Experiment in Scratch	Sayamindu Dasgupta and Benjamin Mako Hill
Seeds of Social Structure	Zsófía Boda, Timon Elmer, András Vörös and Christoph Stadtfeld
A Network History of YouTube	John Paolillo, Sharad Ghule and Brian Harper
The Impact of Sharing on Trust: An Online Field Experiment Among Airbnb Users	Joyce Delnoij, Rense Corten and Paolo Parigi
Heterogeneous Effects of Cellphone Credit Incentives on Mobile Learning in Africa	Rene Kizilcec, David Lang and Ben Stenhaus
Individual Goal-Seeking Behavior: A Large-Scale Study	Ruowei Jiang and Ashton Anderson
<b>4c: Scientific Collaboration and Impact</b>	
Automatically Assembling a Full Census of an Academic Field	Allison Morgan, Samuel Way and Aaron Clauset
Early Career Failure and Long-Term Scientific Impact	Yang Wang, Benjamin Jones and Dashun Wang
The Scientific Prize Network and Trying Out to Be the First in Science	Yifang Ma and Brian Uzzi
Informal Intellectual Collaboration in Scientific Community and Knowledge Production	Yuan Tian and Brian Uzzi
Collaboration Diversity and Scientific Impact	Yuxiao Dong, Hao Ma and Kuansan Wang
A Century of Science	Yuxiao Dong, Hao Ma, Zhihong Shen and Kuansan Wang
<b>4d: Teams</b>	
The Emergence and Development of Crew Shared Mental Models: An Agent-Based Model	Marlon Twyman, Jessica Mesmer Magnus, Alina Lungeanu, Leslie Dechurch and Noshir Contractor
Network Structure, Efficiency, and Performance on WikiProjects	Edward Platt and Daniel Romero
Timing Is Money: Employment Relationships in a Virtual Call Center	Valery Yakubovich, Roman Galperin and Mouna El Mansouri
Predicting Team Success in the iGEM Scientific Competition	Marc Santolini, Abhijeet Krishna, Leo Blondel, Thomas Landrain and Albert-László Barabási
Computers Outperform Humans at Judging Group Performance Based on Sparse Visual Cues	Manuel Cebrian, Martin Saveski, Edmond Awad and Iyad Rahwan
Only Diamond Can Cut Diamond in Science	Lingfei Wu, Jie Tang, Dashun Wang and James Evans
<b>4e: Learning</b>	
The Network Structure of Attribute Missingness	Kristen M. Altenburger and Johan Ugander
Studying the Effects of Stereotyping and Emotion on Viral Contagion Through a Deep Learning Approach	Teun Cuijpers, Maurice Vergeer and Erik Bijleveld
Using Simpson's Paradox to Discover Interesting Patterns in Behavioral Data	Nazanin Alipourfard, Peter G. Fennell and Kristina Lerman
Reconstructing Technology Space from a Secret Recipe of High Impact Innovation	Hyunuk Kim, Daniel Kim, Young-Ho Eom, Hawoong Jeong, Woo-Sung Jung and Hyejin Youn
The Market Structure for Innovation	Stefano Balietti, Christoph Riedel
Skill networks and measures of complex human capital	Katharine Anderson

## Saturday Poster Session | ALPHABETICAL BY TITLE

TITLE	AUTHORS
A Gower Approach to Group Detection	Iain Cruickshank and Kathleen Carley
A Graphical Model for Topical Impact Over Time	Zhiya Zuo and Kang Zhao
A Mixture Model for the Degree Distribution and Local Dependencies	Johan Koskinen, Alex Stivala and Garry Robins
A Model of Attentiveness to Outlying News	Pj Lamberson and Stuart Soroka
Advanced Machine Learning Algorithms Fail to Generalize Across Cultures	Alice Kathmandu, Jian Song, Yu Zhang, Tingyu Chen and Geoffrey Cohen
Advisor-Advisee Relationship Mining and Analysis in Scholarly Big Data	Jiaying Liu, Wei Wang, Xiangjie Kong and Feng Xia
All Underestimated Talent in Society Matter!: Sentiment Analysis on a Chinese Parent Support Forum on Autism	Tiffany Tang and Hang Xie
An Objective Synthetic Benchmark for the Evaluation of Topic Modeling	Hanyu Shi, Martin Gerlach, Isabel Diersen, Doug Downey and Luis Amaral
Analyzing Industrial Neighborhoods in Rhode Island	Thomas Marlo
Applying Computational Techniques to Organizational Process Theory	Nicholas Garcia and Natalia Levina
Are 'Water Smart Landscapes' Contagious? an Epidemic Approach on Networks to Study Peer Effects	Christa Brelsford and Caterina De Bacco
Asymptotic Resolution Bound of Generalized Modularity and Its Implications	Xiaoyan Lu and Boleslaw Szymanski
Bullied-Experience Talks in Online Communications: Support for Bullied Children	Masanori Takano and Takaaki Tsunoda
Climate Change Sentiment on Twitter in Alaska: a Spatial-Temporal Analysis	Donghui Wang
Computational Measures of Political Volatility	Chico Camargo, Scott Hale, Helen Margetts and Peter John
Confidence Levels for Empirical Research Using Twitter Data	Nan Zhang and Heng Xu
Construction of Hierarchical Subject Headings for Computer Science and Their Application to Studying Temporal Trends in Scholarly Literature	Shubhanshu Mishra, Hyejin Lee, Jinseok Kim, Vetle Torvik and Jana Diesner
Correlated Impulses: Using Facebook Interests to Improve Predictions of Crime Rates in Urban Areas	Masoomali Fatehka, Daniel O'brien and Ingmar Weber
Coupling Dynamics of Epidemic Spreading and Information Diffusion on Social Networks	Xiu-Xiu Zhan, Chuang Liu, Zi-Ke Zhang, Gui-Quan Sun and Jonathan Jh Zhu
Crowd-Powered Concept Sorting for Lexicon Creation	Steven Wilson, Yiting Shen and Rada Mihalcea
Deep Space Collaboration: Impact of Latency and Social Networks on Collaborative Work	Alina Lungeanu, Patrick Park, Leslie Dechurch and Noshir Contractor
Describing Moral Concepts with Topic Modelling and Wikipedia	Damien Crone and Edward Slingerland
Detecting the Effect of External Events on Dynamic Social Networks	Hadar Miller and Osnat Mokryn
Dialectic and Idiomatic Sensitivity in Text Analysis: The Importance of Constructing Inclusive Algorithms for 311 Data Normalization	Miriam McKinney and Jessica Peker
Discovering Clusters of Opinion in Wiki Surveys with Bayesian Latent Factor Analysis	Nathan Teblunthuis
Discovering Time-Evolving Topics of Varying Levels of Difficulty Via Constrained Coupled Matrix-Tensor Factorization	Sanaz Bahargam and Evangelos Papalexakis
Diversity of Political Information Received by Political Detachment Users on Social Media	Mitsuo Yoshida and Fujio Toriumi
Do We Really Need to Catch Them All? A New User-Guided Social Media Crawling Method	Fredrik Erlandsson, Piotr Bródka, Martin Boldt and Henric Johnson
Drafting Agent-Based Modeling Into Basketball Analytics	Matthew Oldham
Economical Segregation of Encounter Networks in Cities	Esteban Moro, Dan Calacci, Xiaowen Dong, Manuel Cebrian and Alex Pentland
Effects of Industrial Concentration and Growth Stage on Mergers and Acquisitions in Japan	Hiroko Yamano, Masanao Ochi and Ichiro Sakata
Embracing Failure: A Cultural-Computational Analysis of Failure Narrative Strategies in Entrepreneurship	Jessica Santana

**Saturday Poster Session (Continued)** | ALPHABETICAL BY TITLE

TITLE	AUTHORS
Emo, Love, and God: Making Sense of Urban Dictionary, a Crowd-Sourced Online Dictionaryz	Dong Nguyen, Barbara McGillivray and Taha Yasseri
Emotion and Interaction Processes in a Collaborative Online Network	Deepak Rishi, Meiyappan Nagappan, Tobias Schroeder, Kimberly Rogers and Jesse Hoey
Entropy of Evolving Temporal Social Networks	Marcin Kulisiewicz, Przemysław Kazienko, Boleslaw Szymanski and Radoslaw Michalski
Epistemic Dynamics of Professional-Social Influence	Yunqi Xue and Priya Chakraborty
For Whom the Bot Tolls: A Neural Networks Approach to Measuring Political Orientation of Twitter Bots in Russia	Denis Stukal, Sergey Sanovich, Richard Bonneau and Joshua Tucker
Friendships, Rivalries, and Trysts: Characterizing Relations Between Ideas in Texts	Chenhao Tan, Dallas Card and Noah Smith
Gender Differences in Social Exercise in an Online Fitness Community	Li Zeng, Zack Almquist and Emma Spiro
Generalists in Temporary Teams: Evidence From Random Assignment in E-Sports	Enrico Forti, Kenny Ching and Evan Rawley
Geometric Deep Learning and Node Classification: An Application of Graph Convolutional Networks to Citation Networks	Yifan Qian, Paul Expert, Pietro Panzarasa and Mauricio Barahona
Global Inequalities 1980-2050: A Microdata Oriented Simulation – Worldsim	Louis Chauvel, Eyal Bar-Haim, Anne Hartung and Anja Leist
Google Trends as a Research Tool to Monitor Public Attention During 2017 French Presidential Elections	Sylvain Parasio and Jean-Philippe Cointet
Hiding Individuals and Communities in a Social Network	Marcin Waniek, Tomasz Michalak, Michael Wooldridge and Talal Rahwan
Identity Trends: A Method and Dataset Creation Tool for the Longitudinal Study of Self	Jason Jones
Imagine Your Life One Decade Later. How Do Responses on Individuals' Ideas on Life Change Between the Age of 11 and 50?	Maximilian Weber
Improving Deep Reinforcement Learning with Collective Intelligence	Dhaval Adjudah, Dan Calacci, Abhimanyu Dubey, Yan Leng, Peter Krafft, Esteban Moro and Alex Pentland
Indirect Minority Influence as a Source of Opinion Diversity	Jiin Jung, Scott Page and Aaron Bramson
Informing Science Using Recommender Systems	Bedoor Alshebli, Anahit Sargsyan, Areg Karapetyan, Talal Rahwan and Wei Lee Woon
Intelligent City Planning from Pedestrian Behavior Simulation	Nahum Alvarez and Itsuki Noda
Intergroup Contact Effects Produced by Simulated Intergroup Interactions	Ian Miller, Elizabeth Page-Gould and Cara MacInnis
Maprecorder: Analyzing Real World Usage of Mobile Map Applications	Gian-Luca Savino, Miriam Sturdee, Simon Runde, Christine Lohmeier, Brent Hecht and Johannes Schöning
Me, My Echo Chamber, and I: Introspection on Social Media Polarization	Nabeel Gillani, Ann Yuan, Martin Saveski, Soroush Vosoughi and Deb Roy
Online Red Packets: A Large-Scale Empirical Study of Gift Giving on Wechat	Yuan Yuan, Tracy Liu, Chenhao Tan and Jie Tang
Trendy Is Better Than Rich? The Role of Temporal Trends in Networks	Osnat Mokryn, Allon Wagner, Marcel Blattner, Eytan Ruppim and Yuval Shavitt

## Sunday Poster Session | ALPHABETICAL BY TITLE

TITLE	AUTHORS
Microfinance Revisited: The Role of Modularity and Tie Multiplexity in Diffusion Processes on Networks	Kinga Makovi and Byungkyu Lee
Mitigating Overexposure in Viral Marketing	Rediet Abebe, Lada Adamic and Jon Kleinberg
Mitigating Strategic Attack Diffusion in Security Games	Marcin Waniek and Aamena Alshamsi
Modeling Association in Multiple Layer Networks Using the Conway-Maxwell Binomial Distribution in an Exponential Random Graph Framework	Chris Marcum
Modeling Policy-Relevant Intent Related to Gender Violence Myths on Social Media Using Social Construction Theory	Hemant Purohit, Bonnie Stabile, Aubrey Grant and Rahul Pandey
Models of Bursty Human Dynamics	Márton Karsai, Hang-Hyun Jo and Kimmo Kaski
Network Analysis of Surgical Innovation: Measuring Value and the Virality of Diffusion in Robotic Surgery	George Garas, Isabella Cingolani, Pietro Panzarasa, Ara Darzi and Thanos Athanasiou
Network Neighborhood Analysis for Detecting Anomalies Using Scan Statistics of Time Series of Graphs	Suchismita Goswami and Edward Wegman
Omnivorousness as a Precondition for Specific and Obscure Tastes	Helge Marahrens, Sam Regas and Patrick Kaminski
On the Network Origins of Approximate Factor Models	Andrew Butters and Scott Brave
Platform Filtering: How Rumors Crystallize When Crossing Platform Boundaries	Peter Krafft, Matt Goerzen and Joan Donovan
Plug-Or-Not: Identifying Commercial "Plugs" Within Twitter	Gurpreet Ahitan, Michael Fagan and Federica Nocera
Predicting the Performance of Software Development Teams on Github	Samaneh Saadat and Gita Sukthankar
Qualities and Inequalities Gendered Valuation in the Contemporary Art Market	Taylor Brown
Relating Human Activities with Phrasal Embeddings	Li Zhang, Steven Wilson and Rada Mihalcea
Scientific Collaboration Patterns Vary with Scholars' Academic Age	Wei Wang, Shuo Yu, Teshome Bekele, Xiangjie Kong and Feng Xia
Scientists Get a Brain Boost: AI Mind + Machine Partnership and the Reproducibility Problem in Science	Youyou Wu, Yang Yang and Brian Uzzi
Selecting Newspaper Coverage to Achieve Continuous Views of the Social World Over Long Periods of Time	Alix Rule and Jean-Philippe Cointet
Sex Differences in Social Networks Predict Placement in Stem Leadership Positions	Yang Yang, Nitesh Chawla and Brian Uzzi
She's Got the "It" Factor: An Investigation of Charisma and Female Leaders	Mary Monroe, George Banks and Ryan Wesslen
Social Capital and Mobile Phone Data: Evidence From a Developing Country	Didem Gundogdu, Pietro Panzarasa, Nuria Oliver and Bruno Lepri
Social Change in Media Perspective: The Coverage of the 2007 Parental-Leave Reform in Germany	Alexandra IIs, Katia Begall and Daniela Grunow
Spatial and Temporal Separation in Coordination Structures in OSS	Sabine Brunswicker and Satyam Mukherjee
Stabilizing Block Model Inference in Sparse Networks	Xiaoyan Lu and Boleslaw Szymanski
Studying Limits of Information Spread with Sequential Seeding	Jaroslav Jankowski, Boleslaw Szymanski, Przemysław Kazienko, Radosław Michalski and Piotr Bródka
The Content of Informal Communication: Topic Modeling on a Spontaneous Speech Corpus	Boróka Pápay, Bálint Kubik, Júlia Galántai and Károly Takács
The Duet of Persuasion and Social Influence in Decision Cascades	Jingwen Zhang, Cuihua Shen, Jarosław Jankowski and Piotr Bródka
The Dynamics of Peer-Produced Political Information During the 2016 U.S. Presidential Campaign	Brian Keegan

**Sunday Poster Session (Continued) | ALPHABETICAL BY TITLE**

TITLE	AUTHORS
The Effects of Departmental Prestige on Researcher Productivity and Impact	Samuel Way, Allison Morgan, Daniel Larremore and Aaron Clauset
The Fragility of Opinion Leadership	Gabriel Rossman and Jake Fisher
The Hidden Constraints on Career Mobility: How Skills Determine a Worker's Next Move	Morgan Frank, Esteban Moro and Iyad Rahwan
The Impact of Private Information and Social Influence on Consumer Behavior	Jeroen van Den Ochtend, Markus Meierer and René Algesheimer
The Poor Read for Entertainment and the Rich Read for Education: Poverty, Fragmentation, and Knowledge Homogeneity	Zhi-Cong Chen, Lingfei Wu, Naipeng Chao and Cheng-Jun Wang
The Production of New Meaning in a Networked Public: Evidence From an Online Community	Jon Atwell
The Relationship Between Work-Family Conflict and Work Stress: Effects of Supervisor Support and Gender	Yu-Ya Rong
The Role of Advisor in Faculty Hiring: A Case Study of U.S. Information Schools	Zhiya Zuo and Kang Zhao
The Wisdom of Political Crowds: Increasing Accuracy and Reducing Polarization How Echo Chambers	Joshua Becker, Damon Centola and Ethan Porter
Trade-Off Between Social Exchange and Homophily in Social Network Formation	Yuan Yuan, Ahmad Alabdulkareem and Alex Pentland
Two Types of Social Grooming Methods Depending on the Trade-Off Between the Number and Strength of Social Relationships	Masanori Takano
Uber's Impact on Flu Infections: an Exploratory Analysis	Andres Abeliuk, Nathan Bartley and Kristina Lerman
Urban Dreams of Migrants: A Case Study of Migrant Integration in Shanghai	Yang Yang, Chenhao Tan, Zongtao Liu, Fei Wu and Yueting Zhuang
Using Facebook Ad Data to Track the Global Digital Gender Gap	Masoomali Fatehkia, Ridhi Kashyap and Ingmar Weber
Using Linguistic Cues for Analyzing Social Activism	Rezvaneh Rezapour and Yodsawalai Chodpathumwan
Visual Rhetoric and Collective Memory Across Peer-Produced Accounts of Political Crises	Emily Porter and Brian Keegan
Voting Behavior, Beliefs, and Online News Consumption: A Comparison of Survey Responses and Clickstream Data During Brexit Using Topic Models and Network Analysis	Lorien Jasny, Susan Banducci, Iulia Cioroianu, Travis Coan, Iain Weaver and Hywell Williams
Weak Ties in Job Change: Evidence From Business Card Exchange in Japan	Hirotake Ito, Takanori Nishida, Lav R. Varshney and Yoshiki Ishikawa
What Counts as a Weak Tie? A Comparison of Thresholding Techniques for Analyzing Weighted Networks	Subhayan Mukerjee and Sandra González-Bailón
When Everyone Agrees: Similarity of Centrality Indices in Citation Networks	Igor Zakhlebin and Emőke-Ágnes Horvát
"Fake News" Drives Out Real: Analyzing Posts and Links Shared in Virtual Communities of Facebook Public Pages During 2016 US Presidential Election	King-Wa Fu