

List of Accepted Abstracts for NetSci 2017.
Specific time assignments and locations will be posted on
netsci2017.net

Accepted for Oral Presentations in Parallel Sessions

Will be scheduled on June 21, 22, and 23 in the afternoons.

- No. 12:** *Integer Programming Techniques for Finding Key Players in Networks* by Alexander Veremyev, Oleg Prokopyev, Vladimir Boginski and Eduardo Pasiliao
- No. 14:** *The Network Architecture Of Embryo Developmental Regulation* by Bradly Alicea and Richard Gordon
- No. 20:** *Detection, Estimation, and Characterization of Bot Nodes in Social Networks* by Onur Varol, Clayton Davis, Prashant Shiralkar, Emilio Ferrara, Filippo Menczer and Alessandro Flammini
- No. 22:** *Susceptible-infected-susceptible dynamics on the rewired configuration model* by Guillaume St-Onge, Jean-Gabriel Young, Edward Laurence, Charles Murphy and Louis J. Dubé
- No. 24:** *Emergence of Echo Chamber Networks: The Effects of Social Media Mechanisms* by Kazutoshi Sasahara, Giovanni Luca Ciampaglia, Alessandro Flammini and Filippo Menczer
- No. 25:** *Graph Product Multilayer Networks: Spectral Properties and Applications* by Hiroki Sayama
- No. 43:** *Modulus of family of loops with applications in network analysis* by Heman Shakeri, Caterina Scoglio, Pietro Poggi-Corradini and Nathan Albin
- No. 44:** *Inferring dynamic contact networks of infectious disease spread in wildlife populations* by Pratha Sah and Shweta Bansal
- No. 46:** *Layer aggregation with thresholding: A nonlinear filter for super-resolution community detection in multilayer and temporal networks* by Dane Taylor, Rajmonda Caceres and Peter Mucha
- No. 59:** *Identifying a Hierarchical Backbone from Bipartite Networks* by Woo Seong Jo, Yong-Yeol Ahn and Beom Jun Kim
- No. 61:** *Diminishing returns with size for parallel computation capacity of neural architectures* by Giovanni Petri, Sebastian Musslick, H. Kayhan Ozcimder, Biswadip Dey, Nesreen Ahmed and Jonathan Cohen
- No. 62:** *The many facets of community detection in complex networks* by Renaud Lambiotte, Jean-Charles Delvenne, Martin Rosvall and Michael Schaub
- No. 67:** *Spectral Mapping of Functional Brain Connectivity from White Matter Structural Graphs* by Victor Preciado
- No. 70:** *Dynamical embeddings of complex systems: dynamical modules and dimensionality reduction* by Michael Schaub, Jean-Charles Delvenne, Renaud Lambiotte and Mauricio Barahona
- No. 72:** *Embeddedness and Transaction History Protect Companies from Link Failure in Economic Networks* by Julia Poncela-Casasnovas, Yifang Ma and Brian Uzzi
- No. 74:** *Curvature-based Analysis of Complex Networks* by Melanie Weber, Emil Saucan and Juergen Jost

- No. 75:** *Time-dependent connection threshold in growing random geometric graphs* by Charles Murphy, Antoine Allard, Guillaume St-Onge and Louis J. Dubé
- No. 76:** *Statistical mechanics of mesoscopic structure extraction* by Jean-Gabriel Young, Guillaume St-Onge, Patrick Desrosiers and Louis J. Dubé
- No. 77:** *Committed activists and the reshaping of status-quo social consensus* by Dina Mistry, Qian Zhang, Nicola Perra and Andrea Baronchelli
- No. 86:** *Efficient thresholding of weighted networks* by Xiaoran Yan, Santo Fortunato, Alessandro Flammini and Filippo Radicchi
- No. 92:** *Do We Really Need To Catch Them All? A New User-guided Social Media Crawling Method* by Fredrik Erlandsson, Piotr Bródka, Martin Boldt and Henric Johnson
- No. 93:** *The Role of Figurative Language in Multimodal Social Platforms* by Rossano Schifanella, Paloma de Juan, Joel Tetreault and Liangliang Cao
- No. 94:** *Beautiful and damned. Combined effect of content quality and social ties on user engagement* by Luca Maria Aiello, Rossano Schifanella, Miriam Redi, Stacey Svetlichnaya, Frank Liu and Simon Osindero
- No. 102:** *ECO or: a possible criterion to filter information in complex brain networks* by Fabrizio De Vico Fallani, Vito Latora and Mario Chavez
- No. 106:** *Center of mass in complex networks* by Chuanji Fu and Yachun Gao
- No. 107:** *Low dimensional morphospace of topological motifs in human fMRI brain networks* by Sarah Morgan, Sophie Achard, Maite Termenon, Ed Bullmore and Petra Vertes
- No. 109:** *Network Characterization of Mechanical Percolation* by Samuel Heroy, Bill Shi, Dane Taylor, Peter Mucha and Greg Forest
- No. 111:** *High-resolution structural connectivity reveals modules within brain regions* by Peter Taylor, Yujiang Wang and Marcus Kaiser
- No. 113:** *Inferring Influence Networks from Longitudinal Bipartite Relational Data* by Frank Marrs, Benjamin Campbell, Bailey Fosdick, Skyler Cranmer and Tobias Bohmelt
- No. 114:** *Hot Hand in Science: Quantifying the Dynamical Impact of Individual Scientists* by Lu Liu, Yang Wang, Roberta Sinatra, Lee Giles, Chaoming Song and Dashun Wang
- No. 115:** *Minimal functional networks: How much network do you need to live?* by Rasoul Rajaei, Sean Cornelius, Emma Towlson and Albert-Laszlo Barabasi
- No. 116:** *Understanding the success and failure of grant applications* by Yang Wang, Travis Hoppe, Bruce Hutchins, George Santangelo, James Evans and Dashun Wang
- No. 122:** *What comes first? Social strength or common friends?* by Giovanna Miritello, Manuel Cebrian and Esteban Moro
- No. 129:** *Evidence of Stubbornness in Jury Deliberations* by Keith Burghardt, William Rand and Michelle Girvan
- No. 133:** *Group Polarization in Opinion Network Dynamics* by Michael Gabbay, Zane Kelly, Justin Reedy and John Gastil
- No. 135:** *Discovering new materials by detecting modules in atomic networks* by Sebastian Ahnert and Chris Pickard
- No. 143:** *Compensatory interactions to stabilize multiple steady states or mitigate the effects of multiple deregulations in biological networks* by Gang Yang, Colin Campbell and Réka Albert

- No. 153:** *The EurekaMetric Connectome: Discovering unexplored areas of neuroscience research* by Malhar Jere, Ravi Kiran Raman and Lav Varshney
- No. 163:** *Dynamics of Disagreement: Large-Scale Temporal Network Analysis Reveals Negative Interactions in Online Collaboration* by Milena Tsvetkova, Ruth Garcia Gavilanes and Taha Yasseri
- No. 168:** *Can Network Analysis Provide Insights Into Chinese Characters?* by Henry Price and Tim Evans
- No. 171:** *On comparing clusterings: an element-centric framework unifies overlaps and hierarchy* by Alexander Gates, Ian Wood and Yong-Yeol Ahn
- No. 175:** *Embedding graphs in Lorentzian spacetime* by James Clough and Tim Evans
- No. 179:** *Reconsidering the impact of Stochastic Block Model performance on topological link prediction in complex networks* by Alessandro Muscoloni and Carlo Vittorio Cannistraci
- No. 180:** *Rich-clubness test: how to determine whether a complex network has or doesn't have a rich-club?* by Alessandro Muscoloni and Carlo Vittorio Cannistraci
- No. 184:** *Co-existence of multiple SIS processes on temporal networks: implications for control of bacterial infections in hospitals* by Francesco Pinotti, Éric Fleury, Didier Guillemot, Pierre-Yves Boëlle and Chiara Poletto
- No. 194:** *Multiplex lexical networks reveal patterns of early word acquisition in children* by Massimo Stella, Nicole Beckage and Markus Brede
- No. 196:** *Parasite spreading in spatial ecological multiplex networks* by Massimo Stella, Cecilia Andreazzi, Sanja Selakovic, Alireza Goudarzi and Alberto Antonioni
- No. 198:** *Pathways toward instability in financial networks* by Guido Caldarelli, Marco Bardoscia, Stefano Battiston and Fabio Caccioli
- No. 202:** *When is your network a network? Statistical Inference in Multi-Order Network Models of Pathway Data* by Ingo Scholtes
- No. 204:** *Towards Attack Tolerant Networks: Multipath Fault Tolerance* by Edward Plattt and Daniel Romero
- No. 210:** *Firms' Heterogeneity in Accessing Foreign Markets: A Network Analysis* by Shibi He
- No. 216:** *Measuring Change in the Semantic Similarity Network of Academic Papers: Applications to Predicting Growth and Decline of Scientific Disciplines* by Jared Lorince, Martin Gerlach and Brian Uzzi
- No. 218:** *Modeling the Spread of Research Areas in the Computer Science Faculty Hiring Network* by Dimitrios Economou, Allison Morgan and Aaron Clauset
- No. 220:** *A semidefinite program for structured blockmodels* by David Choi
- No. 227:** *Between mixed and networked populations: a new parameter to predict the spread of disease* by Ewan Colman, Andreas Modlmeier, David Hughes and Shweta Bansal
- No. 235:** *Rhesus macaques -- societal collapse in a multiplex social network* by Márton Pósfai, Niklas Braun, Brianna Beisner, Kelly R. Finn, Brenda McCowan and Raissa M. D'Souza
- No. 236:** *Understanding Tissue-Specific Gene Regulation* by Kimberly Glass, Abhijeet Sonawane, John Platig, Maud Fagny, Cho-Yi Chen, Joseph Paulson, Camila Lopes-Ramos, Dawn Demeo, John Quackenbush and Marieke Kuijjer
- No. 237:** *Highlighting the Complex Network Structure of Epigenetic Regulation using Message-Passing* by Abhijeet Sonawane and Kimberly Glass
- No. 238:** *Scaling up early detection of popular memes on Twitter and Tumblr* by Pik-Mai Hui, Alireza Sahami and Filippo Menczer

- No. 242:** *The multiplex network of human diseases* by Arda Halu, Manlio De Domenico, Alex Arenas and Amitabh Sharma
- No. 245:** *Clustering determines the dynamics of complex contagions in multiplex networks* by Yong Zhuang, Alex Arenas and Osman Yağın
- No. 246:** *Universal golden time in hybrid percolation transitions* by Deokjae Lee, Wonjun Choi, Janos Kertesz and Byungnam Kahng
- No. 247:** *Patterns and Anomalies in k-Cores of Real-world Networks* by Kijung Shin, Tina Eliassi-Rad and Christos Faloutsos
- No. 248:** *Higher-order synaptic interactions shape neocortical activity beyond pairwise structure* by Brendan Chambers and Jason MacLean
- No. 249:** *Global Metabolic Interaction Network of the Human Gut Microbiota with Community-level Disease Implications* by Pan-Jun Kim, Jaeyun Sung, Seunghyeon Kim, Josephine Jill Cabatbat, Sungho Jang, Yong-Su Jin, Nicholas Chia and Gyoo Yeol Jung
- No. 255:** *Double phase transition in asymmetric percolation processes such as Zika* by Laurent Hébert-Dufresne, Benjamin Althouse, Samuel Scarpino and Antoine Allard
- No. 257:** *Economic Opportunity and Network Position* by Patrick Park, Minsu Park and Michael Macy
- No. 262:** *The limits of efficiency in blockchain systems: Parsimonious modelling and data* by Claudio Juan Tessone and Paolo Tasca
- No. 269:** *Fisher information as indicator of edge-of-chaos for finite Kuramoto networks* by Alexander Kalloniatis, Mathew Zuparic and Mikhail Prokopenko
- No. 270:** *A quantitative framework for revealing disciplinary organizations of science* by Hao Peng, Qing Ke and Yong-Yeol Ahn
- No. 273:** *Network Science of Narratives: Dynamics and Interaction Mapping* by Semi Min and Juyong Park
- No. 274:** *Network Backboning with Noisy Data* by Michele Coscia and Frank Neffke
- No. 282:** *Tipping points leading to catastrophic shifts in networked populations* by Young-Ho Eom
- No. 283:** *Novelty and Influence Networks from the Transition Network of Musical Codewords* by Doheum Park and Juyong Park
- No. 285:** *Finding the logic backbone of a boolean network* by Parul Maheshwari and Reka Albert
- No. 290:** *Scale-free networks are rare* by Anna Broido and Aaron Clauset
- No. 292:** *Community detection, link prediction, and layer interdependence in multilayer networks* by Caterina De Bacco, Eleanor A. Power, Daniel B. Larremore and Cristopher Moore
- No. 293:** *Mapping International Spreading Risk of 2015–16 Zika Epidemic* by Qian Zhang, Ana Pastore-Piontti, Kaiyuan Sun, Matteo Chinazzi, Natalie Dean, Diana Rojas, Stefano Merler, Dina Mistry, Syed Haque, Piero Poletti, Luca Rossi, Margaret Bray, M. Elizabeth Halloran, Ira Longini and Alessandro Vespignani
- No. 297:** *Identifying phenotype-relevant modules from a tissue-specific biological network: Application to an amygdala imaging genetics study in Alzheimer's disease* by Xiaohui Yao, Jingwen Yan, Kwangsik Nho, Shannon Leigh Risacher, Casey Greene, Jason Moore, Andrew Saykin and Li Shen
- No. 299:** *Tools for constructing graphs with fixed degree sequences* by David Burstein and Jonathan Rubin

- No. 300:** *Nonparametric Bayesian inference of the microcanonical stochastic block model* by Tiago Peixoto
- No. 301:** *The Inner Circles of Women's Networks Predict their Job Attainment in STEM Leadership Positions* by Yang Yang, Kevin Gaughan and Brian Uzzi
- No. 303:** *Multiscale mixing patterns in networks* by Leto Peel, Jean-Charles Delvenne and Renaud Lambiotte
- No. 305:** *NestModularity measure for the joint analysis of nested and modular networks* by Albert Sole, Claudio Tessone, Manuel Mariani and Javier Borge-Holthoefer
- No. 306:** *Congestion induced by the structure of multiplex networks* by Albert Sole, Alex Arenas and Sergio Gómez
- No. 309:** *A Framework To Calculate the Cascade Size Evolution on Random Networks* by Rebekka Burkholz and Frank Schweitzer
- No. 311:** *Reducing Network Incompleteness through Probing Nodes* by Sucheta Soundarajan, Tina Eliassi-Rad, Brian Gallagher and Ali Pinar
- No. 316:** *Optimal modularity in rodent cortical slices* by Nathaniel Rodriguez, Yong-Yeol Ahn, John Beggs and Zachary Tosi
- No. 318:** *Efficient Change Point Detection on Dynamic Social Networks* by Yu Wang, Aniket Chakrabarti, Srinivasan Parthasarathy and David Sivakoff
- No. 330:** *Edge-exchangeable graphs and sparsity* by Diana Cai, Trevor Campbell and Tamara Broderick
- No. 334:** *Multidimensional encoding of structural brain connectomes; build biological networks with preserved edge properties* by Franco Pestilli, Brent McPherson, Daniel Bullock, Andrea Avena-Koenigsberger, Joey Contreras, Andrew Saykin, Olaf Sporns and Cesar Caiafa
- No. 335:** *Configuring random graph models with fixed degree sequences* by Daniel Larremore, Bailey Fosdick, Johan Ugander and Joel Nishimura
- No. 342:** *Disease spreading processes through the lens of multilayer networks* by Yamir Moreno
- No. 347:** *Tradeoff between information quality and diversity in online social networks* by Diego F. M. Oliveira, Xiaoyan Qiu, Alireza Sahami Shirazi, Alessandro Flammini and Filippo Menczer
- No. 349:** *Community Detection with Selective Zooming* by Ian Wood, Xiaoran Yan, Xiaozhong Liu and Yong-Yeol Ahn
- No. 350:** *Robustness of interdependent networks under a flow redistribution model* by Yingrui Zhang and Osman Yağan
- No. 351:** *Time-dependent branching of genres in the Paris Salon* by Maximilian Schich, Artem Bolshakov, Debra Dewitte and Diana Greenwald
- No. 353:** *Generative benchmark models for mesoscale structure in multilayer networks* by Marya Bazzi, Lucas G. S. Jeub, Alex Arenas, Sam D. Howison and Mason A. Porter
- No. 354:** *Spectral partitioning in random regular blockmodels* by Paolo Barucca
- No. 357:** *Evolutionary cooperation, yes or no?* by Fakhteh Ghanbarnejad, Kai Seegers, Alessio Cardillo and Philipp Hoevel
- No. 359:** *Structural Transitions in Densifying Networks* by Renaud Lambiotte, Paul Krapivsky, Uttam Bhat and Sidney Redner
- No. 363:** *Mapping joint structural-functional connectivity traits in the human connectome* by Enrico Amico and Joaquin Goni

- No. 374:** *Geography of Scientific Collaboration in Physics* by Enrico Maiorino, Matteo Chinazzi and Qian Zhang
- No. 376:** *Cycles and Clustering in Multiplex Networks* by Gareth Baxter, Davide Cellai, Sergey Dorogovtsev and Jose Fernando Mendes
- No. 385:** *Sharing Expertise versus Sharing Information: A computational model of team collaboration and problem solving* by John Lang, Noshir Contractor, Leslie Dechurch, Brian Uzzi and Pj Lamberson
- No. 388:** *A climate stress-test of the financial system* by Stefano Battiston, Antoine Mandel, Irene Monasterolo, Franziska Schuetze and Gabriele Visentin
- No. 389:** *The price of complexity in financial networks* by Stefano Battiston, Guido Caldarelli, Robert May, Tarik Roukny and Joseph Stiglitz
- No. 394:** *The Ripple Effect: You Are More Influential Than You Think* by Yan Leng, Xiaowen Dong, Esteban Moro and Alex Pentland
- No. 402:** *The Blessing and the Curse of Fraught Regions in a Group Coordination Game* by Whitney Tabor, Zachary Ekves, Garrett Smith, Yu Mao and Harry Dankowicz
- No. 403:** *The effective navigable geometry of the brain* by Antoine Allard and M. Ángeles Serrano
- No. 408:** *The puzzle of near misses - a novelty perspective* by Zhongyang He, Zhen Lei and Dashun Wang
- No. 409:** *Network topology protection in an adversarial environment* by Siddharth Pal, Ertugrul Ciftcioglu, Kevin Chan, Prithwish Basu and Ananthram Swami
- No. 418:** *Quantifying Uncertainty in Network Centrality in Functional Brain Networks* by Manjari Narayan and Amit Etkin
- No. 423:** *Career paths and career loops: the occupational mobility network of the Brazilian labor market* by Cristian Jara Figueroa, Mary Kaltenberg, Dominik Hartmann and Cesar Hidalgo
- No. 424:** *Predicting protein-protein interactions with latent geometry* by Maksim Kitsak, Rodrigo Aldecoa, Ivan Voitalov, Asher Ameli, Amitabh Sharma, Nathan Johnson, Andi Dhroso, Dmitri Korkin and Dmitri Krioukov
- No. 435:** *Hierarchy, Modularity and Community: Empirical Analysis and Modeling of Global Industrial Supply Networks* by Tomomi Kito, Steve New and Felix Reed-Tsochas
- No. 450:** *Community structure of functional and anatomical muscle networks* by Tjeerd Boonstra, Jennifer Kerkman, Leonardo Gollo, Andreas Daffertshofer and Michael Breakspear
- No. 451:** *Network Happiness: How Social Interactions Impact our Well-Being* by Johan Bollen, Bruno Goncalves and Ingrid Van de Leemput
- No. 453:** *Beyond sentiment analysis: quantifying individual mood from natural language.* by Rui Fan and Johan Bollen
- No. 457:** *Vulnerability of livestock trade networks to epidemics* by Vittoria Colizza

Accepted for Lightning Talks

Will be scheduled on June 21. Authors may also chose to present poster from work on June 21, 22, and 23.

No. 8: *Macrosopes for Making Sense of Science and Technology* by Katy Börner and Elizabeth Record

No. 53: *Maps of sparse Markov chains efficiently reveal overlapping and hierarchical community structure in network flows with memory* by Martin Rosvall, Christian Persson, Ludvig Bohlin and Daniel Edler

No. 55: *Cross-Model Event Summarization: A Network of Networks Approach* by Jiejun Xu, Samuel Johnson and Kang-Yu Ni

No. 78: *Conserved homological cores of structural and functional brain networks across age* by Giovanni Petri, Francesco Vaccarino, Petra Ritter and Demian Battaglia

No. 110: *From Connectome to Behavior: Circuit motifs that generate oscillations to drive forward and backward locomotion in *C. elegans*.* by Erick Olivares, Eduardo Izquierdo and Randall Beer

No. 125: *Revisiting controllability of complex networks* by Rasoul Rajaei, Sean Cornelius and Albert-Laszlo Barabasi

No. 233: *Exploratory Analysis of Graph Data by Leveraging Domain Knowledge* by Di Jin and Danai Koutra

No. 265: *A statistical model for brain networks inferred from large-scale electrophysiological signals* by Catalina Obando Forero and Fabrizio De Vico Fallani

No. 278: *Loss of inter-frequency brain hubs in Alzheimer's disease* by Jeremy Guillon, Yohan Attal, Olivier Colliot, Valentina La Corte, Bruno Dubois, Denis Schwartz, Mario Chavez and Fabrizio De Vico Fallani

No. 304: *Application of Temporal Multiplex Networks to Cascade Processes in Food Trade* by Rebekka Burkholz and Frank Schweitzer

No. 322: *Network alignment: latest insights* by Vipin Vijayan and Tijana Milenkovic

No. 327: *Patient mobility in hospital networks* by Sean Cornelius, Marc Santolini, Amar Dhand and Albert-Laszlo Barabasi

No. 348: *Explosive Percolation on Directed Networks Due to Monotonic Flow of Activity* by Alex Waagen, Raissa D'Souza and Tsai-Ching Lu

No. 380: *Informal social networks in firms* by Abigail Jacobs and Duncan Watts

No. 384: *Percolation thresholds for photonic quantum computing* by Mihir Pant, Don Towsley, Dirk Englund and Saikat Guha

No. 404: *Modeling diffusion processes in the brain through a cooperative learning ant colony-inspired algorithm* by Uttara Tipnis, Enrico Amico, Mario Ventresca and Joaquin Goni

No. 440: *Structurally induced noncritical power-laws in neural avalanches* by Ali Faqeeh and James Gleeson

No. 459: *Does classroom cooperation promote learning?* by Victor Landaeta-Torres, Cristian Candia-Castro-Vallejos, César A. Hidalgo, Carlos Rodríguez-Sickert, Camilo Rodríguez-Beltrán and Jorge Fábrega

Accepted for Poster Presentations

Posters to be displayed in plenary space continuously on June 21, 22, and 23. Special poster session scheduled in evening of June 21. Awards announced on June 23.

- No. 4:** *The Integration of Weighted Human Gene Association Networks Based on Link Prediction* by Jing Zhao, Jian Yang, Tinghong Yang, Duzhi Wu, Limei Lin and Fan Yang
- No. 5:** *Analysis of a dynamic model of guard cell signaling reveals the stability of signal propagation* by Xiao Gan and Réka Albert
- No. 6:** *Mixture Network Model (MNM) for Empirical Network Characterization and Simulation* by Fairul Mohd-Zaid and Christine Schubert Kabban
- No. 7:** *Applying Genetic Algorithm in Personalized Community Detection by a Two-step Optimization* by Zheng Gao
- No. 10:** *Principled Structure Extraction as a Model for Network Growth* by Salvador Aguinaga, Corey Pennycuff and Tim Weninger
- No. 11:** *Mental models to compare and integrate experts' understanding of sustainable agriculture* by Michael Levy
- No. 13:** *Social network fragmentation* by Goylette Chami, Sebastian Ahnert, Narcis Kabatereine and Edridah Tukahebwa
- No. 15:** *Core-periphery structure of networks: Consideration for random heterogeneous networks* by Sadamori Kojaku and Naoki Masuda
- No. 16:** *Finding topologically associated domains in chromosome interactions via network community identification* by Sang Hoon Lee, Jae-Hyung Jeon, Ludvig Lizana and Per Stenberg
- No. 17:** *The optimal value of Pagerank's damping factor* by Peter Bruck, István Réthy, Jan Tobochnik and Péter Erdi
- No. 18:** *power-hop: A Pervasive Observation for Real Complex Networks* by Evangelos Papalexakis, Bryan Hooi, Konstantinos Pelechris and Christos Faloutsos
- No. 19:** *Characterization of Online Censorship and its Impact on User Behavior* by Onur Varol
- No. 21:** *Limits of Predictability of Cascading Risks in Alternating Renewal Process Model* by Boleslaw Szymanski, Xin Lin, Alaa Moussawi, Gyorgy Korniss and Jonathan Bakdash
- No. 26:** *Tailoring Echo State Networks for Optimal Learning* by Pau Vilimelis Aceituno, Gang Yan and Yang-Yu Liu
- No. 27:** *A random effects stochastic block model for community detection in multiple networks with applications to neuroimaging.* by Subhadeep Paul and Yuguo Chen
- No. 28:** *Genetically Modified Food Controversies in the Digital Era: A Social Network Analysis of Public Discussion in China's Social-Media Space* by Yunya Song, Anatoliy Gruzd and Xinyu Dai
- No. 30:** *The origins of Zipf's meaning-frequency law* by Ramon Ferrer-I-Cancho and Michael S. Vitevitch
- No. 31:** *Optimal neural gain maximizes metastability, communicability and temporal variability* by Mac Shine, Matthew Aburn, Michael Breakspear and Russell Poldrack
- No. 32:** *Can co-location be used as a proxy for face-to-face contacts?* by Alain Barrat, Mathieu Génois and Christian Lyngby Vestergaard
- No. 33:** *The physics of multilayer networks* by Alex Arenas

- No. 34:** *The interplay between activity and attractiveness on random walks in time-varying network* by Laura Alessandretti, Andrea Baronchelli and Nicola Perra
- No. 35:** *Russian Propaganda and US Politics on YouTube: A Longitudinal View* by John Paolillo
- No. 36:** *Dense-EEG source connectivity: a network-based approach to brain disorders* by Mahmoud Hassan and Fabrice Wendling
- No. 38:** *Detecting community structure in signed network based on the random walk* by Jianlin Zhou, An Zeng, Ying Fan and Zengru Di
- No. 39:** *Community detection in complex networks with aging* by An Zeng, Manuel Mariani, Matus Medo and Yi-Cheng Zhang
- No. 42:** *Correspondence of connectome architecture with intracranial functional brain networks* by Richard Betzel and Danielle Bassett
- No. 45:** *Estimating networks from censored random walk data* by Jeffrey Zemla and Joseph Austerweil
- No. 48:** *Consequences of network architecture and delay on synchronizability of multiplex networks* by Aradhana Singh
- No. 49:** *Integrated method for comparative gene co-expression network analysis* by Andre Voigt, Martin Borud, Katja Nowick and Eivind Almaas
- No. 51:** *Surveillance on Networks* by Daniele Cassese
- No. 52:** *Evaluation index of community detection for temporal networks where nodes has have internal variables* by Rio Ohtsuka, Yasuhiro Inoue and Taiji Adachi
- No. 56:** *Reply & Supply: Efficient crowdsourced exploration for growing question sets and nets* by Thomas Mcandrew and James Bagrow
- No. 57:** *A math-geographical model of cities and road network* by Takaaki Aoki, Naoya Fujiwara and Toshiyuki Nakagaki
- No. 58:** *Coevolving networks in the NetSense dataset* by Ashwin Bahulkar, Boleslaw Szymanski, Kevin Chan and Omar Lizardo
- No. 60:** *Economic and topological trade-offs in the human connectome* by Leonardo L. Gollo, James Roberts and Michael Breakspear
- No. 63:** *Look Who's Talking: Bipartite Networks as Representations of a Topic Model of New Zealand Parliamentary Speeches* by Demival Vasques Filho, Ben Curran, Kyle Higham and Elisenda Ortiz
- No. 64:** *Depicting scientific intellectual structures by keyword co-citation network analysis* by Yi Bu, Chao Lu and Ying Ding
- No. 65:** *Information dissemination in heterogeneous-intent networks* by Abhimanyu Das, Sreenivas Gollapudi, Emre Kiciman and Onur Varol
- No. 68:** *Goodness-of-Fit Testing for Behavior in Joint Dynamic Network-Behavior and Two-Mode Models* by Cheng Wang, Carter Butts, John Hipp, Rupa Jose and Cynthia Lakon
- No. 71:** *Networking to Establish Supportive Peer Relationships* by Eric Brewé, Zahra Hazari, Renee-Michelle Goertzen and Theodore Hodapp
- No. 73:** *Keys to Longevity in Online Multiplayer Games* by Kunwoo Park, Meeyoung Cha, Haewoon Kwak and Kuan-Ta Chen
- No. 79:** *Phases of Physical 3D Networks* by Nima Dehmamy, Soodabeh Milanloui and Albert-Laszlo Barabasi

- No. 80:** *Strategies for identifying influential seed nodes for spreading processes in complex networks* by Felipe Montes, Ana Maria Jaramillo, Juan Alejandro Valdivia and Roberto Zarama
- No. 81:** *Temporal social networks within Recreovía users: measuring cohesion emerging from a physical activity program in Bogota, Colombia.* by Ana Maria Jaramillo, Felipe Montes, Ana Paola Rios and Olga Lucia Sarmiento
- No. 83:** *Recurrent Collective Classification* by Shuangfei Fan and Bert Huang
- No. 84:** *The spatial spreading of infectious diseases in South Korea via national and local mobility networks* by Okyu Kwon
- No. 85:** *Venue Recommendation by Random Walk Tripartite Network of Venues, Place Semantics, and Users* by Doheum Park, Seungkyu Shin, Gyuhyeon Jeon, Yonghan Kim and Juyong Park
- No. 87:** *Pattern formation on time-varying networks* by Julien Petit, Timoteo Carletti and Ben Lauwens
- No. 88:** *Motif formation in the Japanese Business Network* by Julian Maluck, Reik V. Donner, Hideki Takayasu and Misako Takayasu
- No. 89:** *Properties of Signed Bipartite Social Network* by Ke Gu, An Zeng, Ying Fan and Zengru Di
- No. 90:** *Solving the dilemma of diversity-precision in link prediction* by Ming-Yang Zhou, Wen-Man Xiong and Hao Liao
- No. 91:** *Homophily and group size create viability biases in social networks* by Fariba Karimi, Mathieu Genois, Claudia Wagner, Philipp Singer and Markus Strohmaier
- No. 95:** *Correlating personality types and social behavior* by Mathieu Géniois, Clemens Lechner, Beatrice Rammstedt, Markus Strohmaier, Alain Barrat and Ciro Cattuto
- No. 96:** *Not all friends are equal: How heterogeneous social influence promotes or hinders behavioural cascades in complex networks* by Samuel Unicomb, Gerardo Iniguez and Marton Karsai
- No. 97:** *Localized homological of brain functional scaffolds after LSD administration* by Esther Ibañez-marcelo, Angkoon Phinyomark, Paul Expert, Robin Carhart-Harris, Francesco Vaccarino and Giovanni Petri
- No. 98:** *Characterizing popularity dynamics of online users and videos in complex networks* by Jing Shen, Hao Liao, Xingtong Wu, Xiangyang Wu and Mingyang Zhou
- No. 99:** *A tensor decomposition-based method for temporal networks with partial information* by Anna Sapienza, Laetitia Gauvin and Ciro Cattuto
- No. 100:** *A general method to find all attractors of any multi-level discrete network* by Xiao Gan and Réka Albert
- No. 101:** *Persistent activity of neural dynamics on hierarchical networks* by Edward Laurence, Patrick Desrosiers and Louis J. Dubé
- No. 103:** *Contact patterns relevant to disease transmission among free-roaming dogs in Chad* by Laura Ozella, Jared Wilson-Aggarwal, Michele Tizzoni, Ciro Cattuto and Robbie McDonald
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