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 Svetcichnaya, Frank Liu and Simon Osinderlo

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. 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 Eurekometric 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 Selakovcic, 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, Brianne Beisner, Kelly R. Finn, Brenda McCowan and Raissa M. D’Souza


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 pupular 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 Yağan
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. 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 Christopher 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, Kwangsiik 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 join 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 Dechurc, 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. 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:** *Macroscopes 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 Érdi

No. 18: power-hop: A Pervasive Observation for Real Complex Networks by Evangelos Papalexakis, Bryan Hooi, Konstantinos Pelechrinis 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 Moussawwi, 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 have 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. 71: Networking to Establish Supportive Peer Relationships by Eric Brewe, 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 Génois, 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

No. 104: Malls As Social Class Enablers Or Barriers? The Case of Santiago de Chile by Mariano Gastón Beiró, Ciro Cattuto, Leo Ferres, Eduardo Graells-Garrido, Loreto Bravo and Diego Caro

No. 105: Interacting opinion and disease dynamics in multiplex networks: discontinuous phase transition and non-monotonic consensus times by Fátima Velásquez-Rojas and Federico Vazquez

No. 108: Phase transitions in pinning controllability of complex networks by Francesco Lo Ludice, Pietro Delellis, Franco Garofalo and Elena Napoletano
No. 112: Quantifying and clustering structural variation in networks across domains by Aaron Clauset, Kansuke Ikehara and Ellen Tucker

No. 117: Functional Network Structure and Integrated Information in the Human Brain during Anesthetic-Induced Unconsciousness by Hyoungkyu Kim, Phillip Vlisides, Tarik Bel-Bahar, George Mashour and Uncheol Lee

No. 118: An Independent Set Algorithm for Consolidating Identities in Social Networks by Janaina Gomide, Hugo Kling and Daniel Figueiredo

No. 119: Cognitive Limitations in Financial Networks by Dhaval Adjodah, Peter Krafft, Esteban Moro and Alex Pentland

No. 120: Optimal control of brain communication efficiency through local and global information by Andrea Avena-Koenigsberger, Xiaoran Yan, Artemy Kolchinsky and Olaf Sporns

No. 121: Structure-function relationships in segregated and integrated states of time-resolved brain networks by Makoto Fukushima, Richard F. Betzel, Ye He, Marcel A. de Reus, Martijn P. van den Heuvel, Xi-Nian Zuo and Olaf Sporns

No. 123: The role of the network structure in the efficiency of a supply chain by Juan M Hernandez and Carmen Pedroza-Gutiérrez

No. 124: Out-degree rich clubs in networks of spiking cortical neurons feed neural computations while in-degree rich clubs perform neural computations by Samantha Faber, John Beggs, Ehren Newman and Nick Timme

No. 126: Mobility through Network of Scientific Institutions: Mentorship in Scientific Careers by Yifang Ma, Satyam Mukherjee and Brian Uzzi

No. 127: Network of Scientific Bloodlines by Yifang Ma, Satyam Mukherjee and Brian Uzzi

No. 128: Generating Functional Rat Brain Networks from Directed Structural Networks by Zachary Osborn, Antonio Diaz-Parra and Olaf Sporns

No. 130: Detecting optimal subgraphs in connectomes across individuals and species by Filip Miscevic and Olaf Sporns

No. 131: Optimally Containing Epidemic Processes on Temporal and Adaptive Networks by Victor Preciado and Masaki Ogura

No. 132: Form and function in regulatory networks: The dynamical state space of network motifs by Sebastian Ahnert and Thomas Fink

No. 134: Strategic Network Diffusion by Aamena Alshamsi, Flavio Pinheiro and Cesar Hidalgo

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