

Sunbelt 2016

XXXVI Sunbelt Conference of the
International Network for Social Network Analysis (INSNA)

April 5 – April 10, 2016

Newport Beach, California

<http://insna.org/sunbelt2016/>

Organized Sessions

INFORMATION

This document lists the accepted Organized Sessions for Sunbelt 2016.

An Organized Session is a set of paper (oral) presentations centered on a specific theme that has been proposed by a group of presenters, and reviewed by the organizing committee. Organized Sessions consist of at least one 2-hour time slot accommodating 4-6 paper presentations, and will be chaired by the individuals who proposed the topic.

How to submit a paper for an Organized Session:

Organized Sessions accepted for Sunbelt 2016 will appear on the list of session titles in the abstract submission site <http://insna.org/sunbelt2016/abstract-submission/> .

Note: Abstract submissions open November 16, 2015 and close January 4, 2016.

Presenters who have already organized to be involved in a particular Organized Session should submit their paper abstract via the abstract submission site listed above, and then select their Organized Session title when submitting their abstract.

Organized Session topics may also be selected *by other interested presenters* when they are submitting their abstract.

The organizing committee will group the accepted paper presentations around the Organized Session themes, based on the Organized Session proposals and received submissions.

Other **General Session** themes (set by the organizers) are paper presentation sessions with more general themes that have been common at previous Sunbelt conferences, but for which we received no specific proposal for an Organized Session. This will also appear of the list of session titles that presenters can choose from when submitting their abstract.

Table of Contents

| <i>Session Title</i> | <i>Page #</i> |
|--|---------------|
| Archaeological Networks | 1 |
| Beyond Middle School: Further Results from the RAND Social Context of Adolescent Risk Behaviors Study | 1 |
| Changes in Social Networks and Resources through the Life Course | 2 |
| Corporate Networks | 2 |
| Doing Qualitative Network Analysis | 3 |
| Dynamics of Multilevel Networks | 3 |
| East Asian Social Networks | 4 |
| Egocentric Network Analysis: Theoretical and Methodological Advances | 4 |
| Health, Healthcare, and Community Networks: Applied Studies in Organizational SNA | 5 |
| Internet of Things (IoT) With Social Media and Social Networks | 5 |
| LGBTQ Networks and Health | 6 |
| Microfoundations of Network Action | 6 |
| Mixed Methods Studies | 7 |
| Multilevel Network Perspectives in and around Organizations | 7 |
| Negative Ties and Signed Graphs | 8 |
| Network Analysis in Educational Research: Theories, Concepts and (mixed-) Methods | 9 |
| Networks and Market Norms: Social Relational Processes and Norms within Markets and Organization | 9 |

Table of Contents (continuation)

| <i>Session Title</i> | <i>Page #</i> |
|--|---------------|
| Networks and Religion | 10 |
| Network Approaches to Language, Meaning, and Sociocultural Contexts | 10 |
| Network Centrality: Theoretical Advances and Applications | 11 |
| Network for Learning – Part 1 and Part 2 | 12 |
| Networks in Global Health | 13 |
| Networks in International Trade and Investment | 13 |
| Networks of Cultural Organizations and Institutions | 14 |
| Networked Innovation | 14 |
| Network Interventions using Network Structure | 15 |
| Qualitative Social Network Research | 16 |
| Recent Advances in Statistical Analysis and Mathematical Modeling of Social Networks | 16 |
| SNA in Russia: Progress and Prospects | 17 |
| Social Media and Political Campaigns | 17 |
| Social Media Networks – Challenges and Solutions | 18 |
| Social Network Analysis of Mobile Phone Datasets | 18 |
| Social Networks and Climate Change | 18 |
| Social Networks and Health Inequalities | 19 |
| Social Networks and Migration | 19 |
| Socio-Semantic Networks | 19 |
| Tie Dormancy and Reactivation | 21 |
| Trade Networks | 21 |
| Words and Networks | 22 |

| | |
|--------------------------------|--|
| Session Title | Archaeological Networks |
| Description | <p>Network science in archaeology has flourished in the last decade, providing researchers the tools to analyze connections (e.g. movement of material or resources, migration, diffusion of cultural traits) between past cultures, communities and individuals. There are however many methodological challenges associated with the application of network science in archaeology, some of which are mentioned here. Data is fragmentary and spurious due to differences in the preservation of distinct materials and incomplete historical documentation. Developing methods for network reconstruction and for the imputation of missing network data using this limited information is not a trivial task. Moreover, data derives from multiple sources of information and archaeological networks can therefore be characterized by multiple and multi-level relations of different kinds. Formulating and testing models for multivariate networks is thus another challenge. In addition, networks were shaped by a variety of human and non-human factors, among which geography and material culture are two examples. Defining procedures accounting for these factors is yet another methodological issue. This session invites contributions from researchers employing network science in archaeology, in particular those addressing methodological challenges that network scientists in archaeology are faced with.</p> |
| Organizer(s) | <p>Termeh Shafie and Viviana Amati.</p> <p>Department of Computer & Information Science, University of Konstanz, 78457 Konstanz, Germany</p> <p>Emails: termeh.shafie@uni-konstanz.de; viviana.amati@uni-konstanz.de</p> |
| Submission Instructions | Please submit an abstract using the conference's abstract submission system and select "Archaeological Networks" as the session title. |

| | |
|--------------------------------|--|
| Session Title | Beyond Middle School: Further Results from the RAND Social Context of Adolescent Risk Behaviors Study |
| Description | <p>This panel will present analyses from the RAND/UIUC CARBIN study, a longitudinal study of adolescents from sixth through 12th grade. The nine waves of data collected include information on substance use, aggressive and delinquent behavior, psychological and social behavior, school performance and much more. These papers present analyses that focus primarily on the data collected during high school, or on comparing findings from corresponding analyses conducted in middle school and high school, to assess differences across the transition to high school. The focus of these papers varies from substance use to aggressive behavior, but use the same data set and have, as a focus, networks as an important feature associated with these important outcomes.</p> |
| Organizer(s) | Harold D. Green Jr. (Hank), RAND Corporation, hgreen@rand.org |
| Submission Instructions | Please submit an abstract using the conference's abstract submission system and select "Beyond Middle School: Further Results from the RAND Social Context of Adolescent Risk Behaviors study" as the session title. |

Session Title Changes in Social Networks and Resources through the Life Course

Description Although we now a bit about network dynamics during relatively short periods (e.g. friendship in classrooms), longitudinal studies about changes in networks and in particular changes in resources during one's life are not systematically documented. The session invites papers focusing on both, changes in networks as well as social resources through larger periods in people's life. Studies that bring together theoretical approaches and empirical data are in particular welcome.

Organizer(s) Beate Volker, PhD
Professor of Sociology,
Chair of Programme group: Institutions, Inequality and Life Courses
University of Amsterdam
Email: b.volker@uva.nl

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Changes in Social Networks and Resources Through the Life Course" as the session title.

Session Title Corporate Networks

Description This track of four sessions investigates corporate networks, with particular interest in networks at the level of corporate governance: interlocking directorates, ownership, political donations, and corporate policy networks. The papers examine the political, economic and sociological consequences of the network ties and/or treat network ties as a phenomenon to be explained, visualized or set in historical perspective. This track builds on the active participation by members of the political networks and interlocking directorates research community in the Sunbelt conferences.

Note: Specific sub-tracks include Comparative and Global Perspectives; Politics; Inner Circle.

Organizer(s) Eelke Heemskerk. University of Amsterdam
Email: e.m.heemskerk@uva.nl

Joshua Murry. Vanderbilt University
Email: josh.murray@vanderbilt.edu

Roy Barnes. University of Michigan-Flint
Email: rcbarnes@umflint.edu

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Corporate Networks" as the session title.

Session Title Doing Qualitative Network Analysis

Description In the recent past, more and more network researchers have relied on qualitative approaches to social networks. The state-of-the-art, however, is somewhat biased: While there is ample discussion on qualitative network data collection there is much less discussion on analytical strategies of qualitative network data. Future developments in qualitative network analysis need to address this imbalance since; ultimately, advancements in social network research have always been advances in analytical rigor. The organized session "Doing qualitative network analysis" contributes to this agenda. It invites contributions that engage in methods, methodology and theoretical prerequisites of qualitative network analysis. All papers should focus on the research process, i.e. on qualitative analysis as a research practice.

Amongst others, papers may focus on the following questions:

- What do the various strands of qualitative research (such as narrative inquiry or ethnography) offer for the analysis of social networks?
- How can network maps be analyzed in a qualitative manner?
- What role do visualizations play in a qualitative analysis process? Are there specific qualitative approaches to the analysis of network visualizations?
- How can qualitative analysis software be integrated in the qualitative network research process?
- What methods are applied to analyses and code network data?
- How do methodical procedures relate to methodological and theoretical positions?

Organizer(s) Stefan Bernhard. Institute for Employment Research Nürnberg
Email: Stefan.Bernhard@iab.de

Andreas Herz. University of Hildesheim
Email: andreas.herz@uni-hildesheim.de

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Doing Qualitative Network Analysis" as the session title.

Session Title Dynamics of Multilevel Networks

Description In order to combine actor-oriented and structural perspectives in the social sciences, network analytical methodologies have developed approaches taking into account horizontal and vertical interdependencies between these actors at various levels and from a longitudinal perspective. The purpose of this session is to present and compare the current diversity of approaches exploring the dynamics of multilevel networks. We encourage a wide range of submissions using various sources of data (2-mode or 3-mode networks, linked design surveys, big data, etc.) as well as diverse kinds of formalisms. We are also interested in presentations of software development in that area as well as in empirical explorations of the meso level of analysis with applications of dynamic and multilevel network analyses in organizations, markets and institutional life.

Organizer(s) Emmanuel Lazega . Science Po, CSO-CNRS, Sorbonne Paris Cité, France
Email: emmanuel.lazega@sciencespo.fr

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Dynamics of Multilevel Networks" as the session title.

Session Title East Asian Social Networks

Description Description: This session is designed for presentations of the most recent research of East Asian social networks. Papers with comparative analyses of social networks in East Asia, in theoretical reference to western societies and with an analytical focus on East Asian characterizations of social networks, are most welcomed to submit. The authors may use case studies, social surveys, or computer assimilations as the methods for their empirical analyses.

Organizer(s) Yanjie Bian.
Institute for Empirical Social Science Research, Xi'an Jiaotong University, China.
Email: yjbian@mail.xjtu.edu.cn

Department of Sociology, University of Minnesota, USA. Email:
bianx001@umn.edu.

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "East Asian Social Networks" as the session title.

Session Title Egocentric Network Analysis: Theoretical and Methodological Advances

Description We are interested in presentations on recent developments in issues regarding the collection and analysis of egocentric data. We welcome presentations about name generators, sampling methods, decision-making models in egocentric networks, mixed method approaches involving egocentric studies (including connections with whole network designs), and in-depth studies of meaning in networks.

Organizer(s) Bernice Pescosolido (Indiana University Bloomington), Mario Small (Harvard University), and Ann McCranie (Indiana University Bloomington).

Contact: Ann McCranie, Indiana University Network Science Institute,
amccrani@indiana.edu

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Egocentric Network Analysis: Theoretical and Methodological Advances" as the session title.

| | |
|--------------------------------|--|
| Session Title | Health, Healthcare, and Community Networks: Applied Studies in Organizational SNA |
| Description | <p>This session will present a variety of recent studies conducted at RAND on inter-organizational networks of medical, behavioral health, and other service providers in community settings, and their consequences for health care behavior and outcomes. The studies will cover a range of research designs and data sources for examining community-based inter-organizational networks affecting health and healthcare. Particular emphasis will be given to methods issues in such applied studies, including meaningful bounding and definition of large, multiplex community service networks, strengths and limitations of varying data sources, and attributing organizational network structure and changes to health-related outcomes.</p> <p>These studies include an agency-randomized trial of a community-engagement and network development intervention in two underserved communities, a study of cross-sector networks of care and their effects on individuals with HIV and serious mental illness, an analysis of physician network community structure and prescription practices with known addicts using health insurance claims data, and a study of organizational networks related to cardiovascular disease prevention.</p> |
| Organizer(s) | Peter Mendel, Ph.D. RAND Corporation http://www.rand.org 1776 Main Street, Santa Monica, CA 90407 Email: mendel@rand.org |
| Submission Instructions | Please submit an abstract using the conference's abstract submission system and select "Health, Healthcare, and Community Networks: Applied Studies in Organizational SNA" as the session title. |

| | |
|----------------------|--|
| Session Title | Internet of Things (IoT) With Social Media and Social Networks |
| Description | <p>The internet of things with the social network and social media is the interconnection of hybrid services, people and objects. Users generally create their personalized social services. For the user, multiple platforms and data base interface has to be supported. The interconnection between network and IoT will provide new online, offline social experience. Also, IoT is interacting with the social media creating services and products connecting objects and platforms.</p> <p>Each presenter will discuss 1) conscious privacy, 2) health care, 3) online-community and 4) corporate relation with the social IoT in social media.</p> <p>Additionally, the integrated system beyond Internet of Things for the futures will be discussed. The reconstruction of current IoT industry and the possibility of new industry creation are the feasible when integrated system is supported by communication between the things automatically and intelligently.</p> |

Organizer(s) Min Ju Yoo. Sungkyunkwan University.
Email: oavjoo@gmail.com

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Internet of Things (IoT) With Social Media and Social Networks" as the session title.

Session Title LGBTQ Networks and Health

Description Social network analysis has proven particularly useful for examining how social structures serve to the benefit or detriment of one's health. LGBTQ populations, particularly men who have sex with men (MSM) and transgendered individuals have occupied the interest of health researchers because they often present unique data collection challenges and are at high risk for HIV/STI infection as well as other sexual and mental health issues. Network researchers have also been interested in how LGBTQ populations form unique social support systems such as gay families or houses and how these natural systems can be leveraged to promote and diffuse positive health messages and behaviors through intervention. In this session, we seek papers that explore the intersections between social networks, LGBTQ individuals and culture, and health.

We invite abstracts for presentations on research of all types that look at the networks of LGBTQ individuals and health outcomes. We hope to elicit a wide range of submissions for this session. Some examples of work that would be well suited for this session includes: research on infectious disease among members of LGBTQ populations; studies describing interventions in LGBTQ populations; work looking at social support structures among LGBTQ subcultures, such as houses and families. Submissions are in no way limited to these guiding examples.

Organizer(s) Adam Jonas, Chicago Center for HIV Elimination, University of Chicago.
Email: ajonas1@medicine.bsd.uchicago.edu

Lindsay Young, Chicago Center for HIV Elimination, University of Chicago.

John Schneider, Chicago Center for HIV Elimination, University of Chicago.

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "LGBTQ Networks and Health" as the session title.

Session Title Microfoundations of Network Action

Description One of the most notable aspects of the relationship between social networks and individual outcomes is that people with access to resource-rich ties often fail to take advantage of them. Why? An emerging literature suggests an important and neglected part of the answer lies in the role of cognition in shaping how people understand their networks. Factors such as memory, heuristics, framing, and personal narrative may play a role in the relationship between having a network and effectively making use of it. In this session we will explore the microfoundations of network action, emphasizing the role of cognition and the individual actor in the process. We welcome papers using a

variety of research methods from simulation and formal modeling to experimentation, empirical analysis, and ethnography.

Organizer(s) Tanya Menon (Ohio State University), Mario Small (Harvard University), and Ned Smith (Northwestern University)

Contact Information: Ned Smith, Northwestern University, 2001 Sheridan Rd., #358, Evanston, IL 60208. Email: ned-smith@kellogg.northwestern.edu

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Microfoundations of Network Action" as the session title.

Session Title Mixed Methods Studies

Description This session brings together empirical studies on social networks which make use of both qualitative and quantitative data and/or qualitative and quantitative strategies of data analysis. We especially welcome presentations on the research design, methodological questions and empirical contributions of mixed methods network studies.

Organizer(s) Betina Hollstein, University of Bremen. Email: betina.hollstein@uni-bremen.de

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Mixed Methods Studies" as the session title.

Session Title Multilevel Network Perspectives in and around Organizations

Description The multilevel nature of organizations creates a complex ecosystem where individuals, groups, units, practices as well as other organizations are entangled. Such entanglement shapes organizations in a dynamic way, and affects organizational outcomes at multiple levels. This session focuses on recent advances in modeling and understanding networks in and around organizations from a multilevel perspective. We welcome both theoretical as well as empirical contributions that address the various aspects and implications of the multilevel nature of networks.

Possible examples of networks include, but are not limited to the following:

- Corporate networks
- Communities of practice networks
- Entrepreneurial networks
- Guanxi networks
- Innovation networks
- Collaboration networks
- Investments networks
- Online networks

While a non-comprehensive list of perspectives is:

- Multilevel network analysis
- Multilevel analysis of networks
- Formation and evolution of multilevel networks
- - Diffusion processes in multilevel networks

Organizer(s) Spyros Angelopoulos – University of Lugano (Switzerland). Email: spyros.angelopoulos@usi.ch
Francesca Pallotti – University of Greenwich (UK). Email: f.pallotti@greenwich.ac.uk
Paola Zappa – University of Lugano (Switzerland). Email: paola.zappa@usi.ch

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Multilevel Network Perspectives in and around Organizations" as the session title.

Session Title Negative Ties and Signed Graphs

Description Researchers are now increasingly aware of the co-existence of positive and negative ties in networks and the need to study them together so as to get a more accurate portrait of the networks' contents and dynamics. We invite abstracts for presentations on all aspects of studying signed networks, including theory, methods, and applications, to one or more sessions at the upcoming Sunbelt Conference in Newport Beach.

We encourage a wide range of submissions. Example works includes (but are not limited to): Methods and measures pertaining to negative ties and signed graphs: understanding how threats within a network create needs for allies, and the implications for nodal power; examining where bullying emerges in schools or organizations; how perception of negative ties poses unique challenges in organizational research; and how subgroup fault lines affect intra- and inter-group conflict.

Organizer(s) Patrick Doreian, Faculty of Social Sciences, University of Ljubljana and Department of Sociology, University of Pittsburgh.
Alexandra Gerbasi, Department of Management, Technology and Strategy, Grenoble Ecole de Management.
Giuseppe (Joe) Labianca, LINKS Network Analysis Center, University of Kentucky
Joshua Marineau, Department of Management & Marketing, North Dakota State University
Károly Takács, MTA TK "Lendület" Research Center for Educational and Network Studies (RECENS), Budapest
Contact Information: Alexandra Gerbasi. Email: alexandra.gerbasi@grenoble-em.com.

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Negative Ties and Signed Graphs" as the session title.

| | |
|--------------------------------|---|
| Session Title | Network Analysis in Educational Research: Theories, Concepts and (mixed-) Methods |
| Description | <p>The main purpose of this session is to present and discuss empirical, methodical and theoretical research projects using SNA which are embedded in or connected to educational or pedagogical topics. All approaches based on empirical studies, as well as theoretical-methodical reflections are welcome. Objectives of the session are:</p> <ol style="list-style-type: none"> 1. To highlight varying approaches for different utilizations of SNA in educational research and vice versa 2. To examine critically matches and mismatches of theories and concepts 3. To offer a platform for exchange of experience in (interdisciplinary) empirical research projects <p>In the past decades, approaches of social network analysis have been slowly but increasingly used and elaborated within the fields of educational research. However, there is still a lack of systematic approaches, which 1st) connect theoretical perspectives and empirical techniques in tighter manners 2nd) further develop social network theories and 3rd) broaden their scope and range of analysis from small units (i.e. single school classes or teachers' lounges) to analyses of different levels in the educational system (i.e. local, regional, national or international levels) or comparative analyses focusing on data of different classes or schools. At the same time, social network theories as well as quantitative and qualitative techniques of SNA can highly contribute to educational research and its neighbor disciplines by offering tools or concepts to analyze the interrelation between individual behavior and the social context.</p> |
| Organizer(s) | <p>Prof. Dr. Nina Kolleck. FU Berlin (Department of Educational Research and Social Systems). Email: n.kolleck@fu-berlin.de</p> <p>Marc-Christian Schaefer, MA. Email: m.schaefer@fu-berlin.de</p> <p>Luise Keyserlingk(Dipl.-psych.) . Email: luise.keyserlingk@fu-berlin.de</p> |
| Submission Instructions | Please submit an abstract using the conference's abstract submission system and select "Network Analysis in Educational Research: Theories, Concepts and (mixed-) Methods" as the session title. |

| | |
|----------------------|---|
| Session Title | Networks and Market Norms : Social Relational Processes and Norms within Markets and Organizations |
| Description | <p>This session aims at exploring the social norms and processes that structure markets, as well as how they are developed through networks.</p> <p>In our mind, networks model the relational interdependencies between actors at individual, organizational or inter-organizational levels. They are essential in business life and in the division of labor. They highlight the ways in which relational structures sustain forms of collective actions. These kinds of actions are generally described through social processes such as: regulation, socialization, social control, innovation, bounded solidarity, social comparison</p> |

and stratification, etc.

We encourage a wide range of submissions using various sources of data: studies of culture, practices and norms implemented in markets through relational structures, cases of social processes at organizational or inter-organizational levels, etc. The interdependencies between actors can be described here thanks to sampling of ego networks or collecting complete networks. The paper should contribute to the description and analysis of relational social processes such as that cited above.

Organizer(s) Elise Penalva Icher. IRISSO, Université Paris Dauphine. Email: elise.penalva@dauphine.fr

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Network Analysis in Educational Research: Theories, Concepts and (mixed-) Methods" as the session title.

Session Title Networks and Religion

Description That social networks play a central role in religious life is fairly well established. We know, for instance, that they are crucial for the recruitment and retention of members, the diffusion of religious ideas and practices, motivating individuals to volunteer and become politically active, the health and well-being of people of faith, and conflict, radicalization, and (sometimes) violence. However, most (not all) of the research in this area has been conducted by social scientists unfamiliar with social network methods. This session offers an opportunity for social network analysts to bring their unique skills to bear on a phenomenon that greatly impacts the contemporary world.

Organizer(s) Sean F. Everton, Associate Professor, Defense Analysis Department, Naval Postgraduate School, Monterey, CA 93943. Email: sfeverto@nps.edu

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Networks and Religion" as the session title.

Session Title Network Approaches to Language, Meaning, and Sociocultural Contexts

Description Language, meaning, the local contexts of interactive communicative events, and the sociocultural formations that serve as the broader contexts of such events are key to a network approach to relational sociology and to kindred studies in other disciplines. Our session welcomes a diverse range of studies including but not limited to: social network analysis methods, theory, and empirical research applied to interactive communicative events and their dynamics and patterning, including strategic ambiguity in such events, the local contexts and broader sociocultural contexts of interactive communicative events, switching of identities between local contexts and between sociocultural contexts, the patterning and dynamics of sociocultural formations in isolation and in their interrelations, stancetaking in discourse, and linguistic, sociolinguistic, and anthropological linguistic studies relating to discourse and grammar, pragmatics and grammar, grammaticalization, etc.

Although we assume that a nonreductive approach to the network study of language, meaning and sociocultural formations favors mixed methods (quantitative and qualitative), strictly quantitative or qualitative submissions are also necessary to the advancement of the field and are welcome contributions to this session.

Organizer(s) David L Elliott, Department of Sociology, University of Missouri
Columbia MO 65211-6100
Email: dle46f@mail.missouri.edu; david.elliott34@gmail.com
(initial organizer and session chair, with additional organizers to be determined)

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Network Approaches to Language, Meaning, and Sociocultural Contexts" as the session title.

Session Title Network Centrality: Theoretical Advances and Applications

Description The general term centrality subsumes any method that is designed to identify the structural importance of nodes in a network, where the meaning of structural importance is manifold and commonly conceptualized with graph-theoretic notions. Besides the prototypical indices degree, betweenness, closeness and eigenvector centrality, a myriad of methods exists to determine power, status, prominence, or social capital of nodes.

Although the literature on network centrality is rich in theoretical contributions, Freeman's assessment "there is very little agreement on the proper procedure for its measurement" remains relevant. To date, the only universally accepted requirement shared by all methods seems to be that the center of a star-shaped network must be maximally central. This lack of theoretical guidelines poses difficulties i.a. in choosing the appropriate index in empirical settings and fosters the development of increasingly complicated indices.

This session should thus not be seen as a platform to introduce yet another centrality index. We rather encourage submissions dealing with different theoretical aspects of centrality measurement. These include but are not limited to mathematical features embodied in specific indices or classes of indices. More generally, we invite papers introducing descriptive or normative approaches to describe network centrality, giving a better understanding of what indices actually measure. We also encourage submissions of applications where centrality failed to be indicative or yielded contradictory results. This opens a discussion on alternative ways of assessing structural importance of nodes.

Organizer(s) David Schoch, Department of Computer & Information Science, University of Konstanz, Germany. Email: david.schoch@uni-konstanz.de

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Network Centrality: Theoretical Advances and Applications" as the session title.

| | |
|--------------------------------|---|
| Session Title | Network for Learning – Part 1 |
| Description | Around the world, social network theory and methods are increasingly used to examine how opportunities for learning emerge from the flow of knowledge and resources among professionals in organizations. This research builds on recent work that suggests the importance of social relationships for life-long learning of (educational) professionals (e.g., Daly, 2010; Moolenaar, 2012; Penuel & Riel, 2007; Stoll et al., 2006; Wenger 1998). To explore the way in which social network research can further enhance our understanding of learning and how insights from the learning sciences can inform social network studies, this session focuses on the nature, antecedents and consequences of different types of networks in the workplace and schools. This session focuses on papers that use social network analysis to understand how pupils, students, and professionals use their networks to learn. |
| Organizer(s) | Katerina Bohle Carbonell, Maastricht University/ Northwestern University, k.bohlecarbonell@maastrichtuniversity |
| Submission Instructions | Please submit an abstract using the conference's abstract submission system and select "Network for Learning – Part 1" as the session title. |

| | |
|--------------------------------|--|
| Session Title | Network for Learning – Part 2: Social Network Research in School Teams |
| Description | In educational sciences, a social network perspective is increasingly adopted to investigate the importance of social relationships for teachers' functioning (e.g., Daly, 2010; Moolenaar, 2012; Penuel & Riel, 2007; Stoll et al., 2006; Wenger 1998). These studies follow the assumption that the school as a working context can have a significant influence on teachers' professional development, job perceptions and behavior (Litrell, Billingsley, & Cross, 1994). One of the basic ideas of the social network perspective is that actors are interdependent and their behaviors and attitudes are embedded in large social networks of interrelationships that provide both opportunities and constraints (Brass et al., 2004; Granovetter, 1985). Social network analysis then makes it possible to identify these social-structural opportunities and constraints and to contextualize teachers' perceptions and behaviors (Galaskiewicz & Wasserman, 1993). In this session, the focus is on research that applies social network analysis to school teams in order to unravel the underlying processes that define teachers' functioning. |
| Organizer(s) | Chloé Meredith (chloe.meredith@ppw.kuleuven.be) Kendra Geeraerts (kendra.geeraerts@uantwerpen.be) |
| Submission Instructions | Please submit an abstract using the conference's abstract submission system and select "Network for Learning – Part 2: Social Network Research in School Teams" as the session title. |

| | |
|--------------------------------|--|
| Session Title | Networks in Global Health |
| Description | Network studies and interventions in global health have expanded in number, scope, and approach in the past decade. This growth which has been represented across sessions at Sunbelt but rarely in a unified session bringing together network researchers working in, or for, developing countries. This organized session would solicit and accept submissions from a range of disciplines (epidemiology, behavioral science, policy and political science, etc.) as well as a range of topics and approaches to the application of SNA. The common thread would be SNA –either research or practice –related to public health, health systems and health policy in the field of global health. A particular emphasis would be put on disseminating this call to researchers in those settings – whose membership is growing, but should be further encouraged, at Sunbelt. |
| Organizer(s) | Jessica Shearer, Senior Technical Officer, PATH. Email: jshearer@path.org |
| Submission Instructions | Please submit an abstract using the conference's abstract submission system and select "Networks in Global Health" as the session title. |

Session Title Networks in International Trade and Investment

Description Global trade, supply chains, financial markets, and industrial clusters are examples of interconnected systems that are important to the structure and function of the modern world. Networks are a general yet powerful means of representing patterns of connections or interactions between parts of such systems. The network approach facilitates an understanding of mechanisms and reveals patterns in the data that are difficult to see using other approaches. A network approach has the potential to uncover structural properties of product specialization, comparative advantage, industrial clustering and economic growth that have hitherto not been examined in the literature. This in turn can lead to important implications for industrial and development policy.

The concepts and methods of network analysis have been applied to the study of international trade since the late nineteen seventies, and over the last three decades have been applied to address numerous research questions in the field of economics and business. Key themes investigated through the study of the international trade and investment network include economic development, globalization, financial contagion, preferential trade agreements, the topology of the trade network, global value chains, as well as statistical and methodological issues.

The objective of this session is to explore how to further integrate network analysis into studies of international trade, and FDI. We particularly welcome papers that attempt to contribute to an understanding of fragmentation of production, globalization and regionalization, intra-firm trade, global value chains, business groups, and the application of both descriptive statistics and advanced network models to international trade and investment datasets.

Organizer(s) Dr. Sara Gorgoni, Senior Lecturer in Economic Sociology, International Business and Economics Department, University of Greenwich.
Email: s.gorgoni@greenwich.ac.uk

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Networks in International Trade and Investment" as the session title.

Session Title Networks of Cultural Organizations and Institutions

Description Organizations and institutions that produced culture such as art, music, literature, knowledge, and news have been an especially fertile field for the development and application of network techniques. Network techniques have been especially valuable at uncovering and analyzing:

- The structure of various art worlds and creative fields, involving basic network features such as centrality, clustering, density, etc.
- How those structural features affect creative content such as innovation, consensus, etc.
- How social networking affects tastes, not only specific tastes but the diversity of tastes within individuals and groups
- The relationship between market and non-market features of social interaction around culture production and consumption
- The structure of cultural content itself, including linguistic and symbolic logics, grammars, syntaxes, and semantics
- The relationship between the categories of cultural content (genres, etc.) and social categories (race, gender, age, etc.)
- The effect of inter-organizational relations on cultural content
- How the networks of producers and consumer affect rewards and prestige

How networks of social media operate as networks and affect artistic production and consumption

Organizer(s) William G. Roy and Gabriel Rossman, Department of Sociology UCLA

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Networks of Cultural Organizations and Institutions" as the session title.

Session Title Networked Innovation

Description Innovation is no longer the property of stand-alone corporate or government R&D laboratories. Rather, it is the property of networks, where innovation occurs at the interstices of organisations, large and small, public and private, and the individuals nested within. These networks operate at intra- and inter-organisational, regional, national and international levels – this is networked innovation.

While networks have repeatedly been shown to be critical for the innovative performance, many questions about networks and innovation remain unanswered. The purpose of this session is to present the newest insights into the drivers, structural features, and consequences of innovation networks at

different organizational levels.

Submissions can refer – but are not limited – to the following areas:

- Interactions between intra- and inter-organizational networks for innovation
- Network dynamics and the diffusion of innovation
- University-industry collaboration
- Networks and the commercialization of inventions
- Innovation in public sector firms
- Differences between networks fostering incremental and radical innovation
- Network barriers to innovation
- Combinations of positive and negative networks and innovative performance

We welcome empirical contributions that tackle these and related issues looking at different settings, using various sources of data (survey data, patents, co-publications etc.), and applying a variety of methodological approaches.

Organizer(s) Julien Brailly, Swinburne University of Technology Melbourne, Centre for Transformative Innovation, PO Box 218, Mail H25, Hawthorn VIC 3122 (Australia). Phone: +61 3 9214 8991, email: jbrailly@swin.edu.au

Julia Brennecke, Swinburne University of Technology Melbourne, Centre for Transformative Innovation, PO Box 218, Mail H25, Hawthorn VIC 3122 (Australia). Phone: +61 3 9214 3792, email: jbrennecke@swin.edu.au

Dean Lusher, Swinburne University of Technology Melbourne, Centre for Transformative Innovation, PO Box 218, Mail H25, Hawthorn VIC 3122 (Australia). Phone: +61 3 9214 5934, email: dlusher@swin.edu.au

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Networked Innovation" as the session title.

Session Title Network Interventions using Network Structure

Description Description of Potential Content: Focus on real potential applications. Development of methods to use panels of friends to prevent/facilitate or predict diffusion in networks (e.g. of disease, memes on the Internet, product adoption, etc.); development of methods to influence or control organizations through strategic intervention in and/or construction of networks.

Organizer(s) Scott Feld, Purdue University. Email: sfeld@purdue.edu

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Network Interventions Using Network Structure" as the session title.

| | |
|--------------------------------|---|
| Session Title | Qualitative Social Network Research |
| Description | Ethnographers led in the early development of the concept of social networks as a way to describe social structure. Working primarily through participation observation and interviews in the context of long-term fieldwork, these early ethnographers introduced and developed concepts like density, subgroups, and reciprocity, forming the theoretical basis for the mathematical description and quantitative methods of contemporary social network analysis. In this session, we highlight work that continues in the early ethnographic tradition of the qualitative description of social networks – whether or not it is in preparation for or tandem with the quantitative study of social networks. We seek research using a range of qualitative methods including interviews, participant observation, narrative analysis, mapping, oral histories, etc. We are looking for research that demonstrates the power of qualitative methods for uncovering aspects of social networks easily missed with other methods. We also welcome papers that introduce ethnographically-grounded concepts or provide new ways of looking at old concepts related to social network characteristics and processes. |
| Organizer(s) | Silvia Dominguez, Northeastern University. Email: s.dominguez@neu.edu Rosalyn Negron, University of Massachusetts- Boston. Email: rosalyn.negron@umb.edu |
| Submission Instructions | Please submit an abstract using the conference's abstract submission system and select "Qualitative Social Network Research" as the session title. |

| | |
|--------------------------------|--|
| Session Title | Recent Advances in Statistical Analysis and Mathematical Modeling of Social Networks |
| Description | In the current big-data regime, a large-scale social network, despite its sheer size and complexity, has received much attention from researchers of many different fields, including social sciences, network sciences, economists and statisticians. The grand aggregation of knowledge contributions from these fields generates many inspiring outcomes for this interdisciplinary research area. This organized session aims at introducing several recent advances in the statistical analysis and mathematical modeling of social networks. It gathers several experts in sociology, information science and statistics as invited speakers, analyzing the social networks from different point of view. The topics include the network structure characterization, network data analysis, online data tracking, network dynamics/diffusion, and so on. |
| Organizer(s) | Frederick Kin Hing Phoa, Institute of Statistical Science, Academia Sinica, Taiwan. Email: fredphoa@stat.sinica.edu.tw |
| Submission Instructions | Please submit an abstract using the conference's abstract submission system and select "Recent Advances in Statistical Analysis and Mathematical Modeling of Social Networks" as the session title. |

| | |
|--------------------------------|--|
| Session Title | SNA in Russia: Progress and Prospects |
| Description | Building on a very effective session in Brighton, which consisted of several time slots and generated a lot of interest from the conference attendees, we would like to draw the attention of colleagues again to network research trends currently developing in Russia or on Russian data (or data from BRICS and other developing countries). International Laboratory for Applied Network Research (ANR), operating at NRU Higher School of Economics (NRU HSE) under the scientific supervision of Stanley Wasserman of Indiana, has established itself as a premier development center for network science in Russia. Because Russian social scientists have been cut off from the rest of the world for such a long time, there has been very little integration of studies done in Russia with those done elsewhere. The potential for additional theory testing and development on data collected in Russia as a developing country has broader implications in a variety of fields; as the ANR scientists are finding out, there is potential to test, extend or challenge western theories in all disciplines from sociology to political science to human resources management. Sunbelt appears to be the perfect platform for interaction of colleagues from a broad range of disciplines interested in Russian data, or comparative studies with Russia as a developing country, against the backdrop of similar studies in western world. |
| Organizer(s) | Valentina Kuskova (Chair), NRU HSE International Laboratory for Applied Network Research, ykuskova@hse.ru |
| Submission Instructions | Please submit an abstract using the conference's abstract submission system and select "SNA in Russia: Progress and Prospects" as the session title. |

| | |
|--------------------------------|---|
| Session Title | Social Media and Political Campaigns |
| Description | The prevalence and widening use of social media (SM) has led to a number of claims on their impact in political communication during political campaigns. The degree to which SM can channel political campaign messages is not well understood however. Recent studies indicate that engagement with SM leads to among others: entrenchment of political views, polarization, personalized political communication, and young people engagement. So mapping SM engagement could be potentially employed in predicting election results and political behavior. At the same time SM are associated to lower levels of trust compared with online media, while it is often the case that SM debates and information propagation are dramatically skewed by a few high-impact opinion leaders. So SM is unlikely to work as a "great democratic equalizer" for those that engage with it. We are therefore interested on work that examines the process and mechanisms through which SM political discourse impacts political campaigns. All methodologies and research designs that address the broader topic are welcome. |
| Organizer(s) | Dimitris Christopoulos (dimitriscc@gmail.com) & Jurgen Pfeffer |
| Submission Instructions | Please submit an abstract using the conference's abstract submission system and select "Social Media and Political Campaigns" as the session title. |

| | |
|--------------------------------|--|
| Session Title | Social Media Networks – Challenges and Solutions |
| Description | <p>A number of recent papers have raised concerns about methodological practices in large-scale studies of social behavior, particularly those using social media data. This session will consider algorithmic and methodological issues that may threaten the validity, reproducibility, and generalizability of large-scale social media research studies. The session will feature research talks that tackle the following (and related challenges):</p> <ul style="list-style-type: none">• Platform-specific biases (platform design, user base, platform-specific behavior, platform storage policies)• Biases of available data (access constraints, platform-side filtering)• Nonhuman accounts in data (bots, corporate accounts)• Comparison of data from more than one platform• Implications of social media data on social network metrics |
| Organizer(s) | Jürgen Pfeffer (Session Chair), Carnegie Mellon University, jpfeffer@cs.cmu.edu Derek Ruths, McGill University, derek.ruths@mcgill.ca |
| Submission Instructions | Please submit an abstract using the conference's abstract submission system and select "Social Media Networks – Challenges and Solutions" as the session title. |

| | |
|--------------------------------|---|
| Session Title | Social Network Analysis of Mobile Phone Datasets |
| Description | <p>Over the last decade we have witnessed a dramatic increase in available datasets coming from the mobile sector. Mobile phone data potentially offer insights into the communication dynamics of entire societies. We believe that it is of great value to the SNA community to gather the people at Sunbelt interested in the analysis of mobile phone data, to discuss relevant research, work in progress, and recent results.</p> |
| Organizer(s) | Prof. David Lazer, Northeastern University (chair). Geoffrey S. Canright, VP Data Analytics, Telenor Research. Kent Engø-Monsen, Senior Research Scientist, Telenor Research. Contact Information: Kent Engø-Monsen, PhD, Telenor Research, email: Kent.Engo-Monsen@telenor.com |
| Submission Instructions | Please submit an abstract using the conference's abstract submission system and select "Social Network Analysis of Mobile Phone Datasets – Challenges and Solutions" as the session title. |

| | |
|----------------------|---|
| Session Title | Social Networks and Climate Change |
| Description | This session will include papers on climate change policy networks, and/or climate change discourse networks other topics related to networks and climate change (e.g., on social movement, values and attitudes, community |

resilience, etc.). We will consider papers on theoretical, methodological, and substantive topics related to this theme, including organizational networks, virtual networks, discourse networks, and personal networks.

Organizer(s) David Tindall and Mark Stoddart
Email: tindall@mail.ubc.ca

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Social Networks and Climate Change" as the session title.

Session Title Social Networks and Health Inequalities

Description In this session we want to focus on interdisciplinary approaches focusing on social network influences on health behaviors. We are particularly interested in theoretical and empirical work that connects life course and network dynamics. We encourage submissions that use different methods (quantitative, qualitative, mixed methods) and focus on health inequalities at different stages in the life course and/or different vulnerable groups.

Organizer(s) Sylvia Keim, Institute for Sociology and Demography, University of Rostock, Germany
Markus Gamper, Institute for Cultural Sociology, University of Cologne, Germany
Andreas Klärner, Institut for Sociology and Demography, University of Rostock, Germany

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Social Networks and Health Inequalities" as the session title.

Session Title Social Networks and Migration

Description Migration, be that a move within the same country or across the world, is too risky for most people to undertake. To minimize their risks, migrants seek people and organizations that could help them make the transition and settle in a new place more easily. Social networks make migration possible. In this session, we will explore the effects of personal and institutional ties on migrants' decisions to move and/or on outcomes of their move.

Organizer(s) Olga V. Mayorova, Higher School of Economics, email: mayorova8@gmail.com

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Social Networks and Migration" as the session title.

Session Title Socio-Semantic Networks

Description In recent years, research jointly considering semantic and social network data has expanded, and options to relate those have been explored theoretically and methodologically. Advanced analytical methods and the increasing availability of large data sets, in particular social media data, have been

mutually reinforcing and catalyzing research into combining semantic and social networks. Prior work has shown that both the structure of social relationships and discourse/meaning sharing contribute to the emergence and spread of knowledge and culture. The innovation resides in the contribution that social network analysis offers for studying the relationships between social structures and the discursive/meaning structures that individuals or communities share.

One trend has been to consider similarities between people's discourse as a specific form of social ties. The resulting socio-semantic network can then be combined and contrasted with other types of social networks based on friendships, advice, influence and other type of social relationships. Another trend is to jointly consider social actors, concepts and relations between them as forming multilevel networks. These two modes are expected to coevolve as actors share meanings or differ in those while their social ties transform.

In this emerging field, theoretical and methodological questions abound. For example: Which discourses and communities should be analyzed with regard to a particular research context and question(s)? How does the method chosen to assess similarities in discourses/meanings (topic/theme analysis, semantic fields, concepts and lines between them, exact words) impact the results? What are the ways to analyze the coevolution of social and semantic networks? To what extent can social network measures be applied to semantic and socio-semantic networks? How can statistics of those networks be compared? Which socio-semantic network configurations can be used in statistical models (e.g., ERGMs)? What kind of theorizing is triggered by research of socio-semantic networks?

Interested participants are invited to submit theoretical, methodological or empirical papers, contributing new perspectives on the questions how, when, and under what conditions social relationships, content and meaning structures can be connected via network research; or what approaches are suitable to strengthen the understanding of the connections between the structure of social relations and meaning.

Papers should fall into one or several of the following thematic areas:

- Theorizing about relationships between meaning structure, content structure and social structure
- Qualitative and quantitative methods to relate meaning structure and social structure
- Multilevel and multimode socio-semantic networks
- The relationship between semantic similarity and social ties
- Joint semantic network analysis of message content and social network analysis of information channels
- Applying social network analysis techniques to semantic and socio-semantic networks
- Using semantic network data to capture social structures between actors
- Semantic structuring throughout conversations in networks

Organizer(s) Nikita Basov (Chair), St. Petersburg State University, email; n.basov@spbu.ru

Jana Diesner, University of Illinois at Urbana Champaign

lina Hellsten, VU Amsterdam

Adina Nerghes, VU Amsterdam

Johanne Saint-Charles, University of Quebec at Montreal

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Socio-Semantic Networks" as the session title.

Session Title Tie Dormancy and Reactivation

Description Relationships change, and ties that were once significant sometimes fade or disappear. Having once existed, however, these ties retain the potential to re-emerge, mobilized like sleeper cells, as circumstances or needs change. The transition of ties to dormancy and/or reactivation provides flexibility in balancing the costs of maintaining a network against fluctuating needs for support or resources. And the potential for reactivation of dormant ties means that some networks may offer access to more resources than they appear to have. This session focuses on two key aspects in the evolution of social ties: becoming dormant and reactivation. The session organizers will consider submissions relevant to all aspects of dormancy, including, but not limited to, 1) the processes by which ties become dormancy and reactivated; 2) meaning and measurement of dormancy and reactivation; 3) costs and benefits of allowing ties to become dormant and re-activating ties.

Organizer(s) Alexandra Marin (Chair), University of Toronto, Department of Sociology, email: alexandra.marin@utoronto.ca

Chang Z. Lin (Co-Chair), University of Toronto, Department of Sociology, email: chang.lin@utoronto.ca

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Tie Dormancy and Reactivation" as the session title.

Session Title Trade Networks

Description Trade networks represent a long standing phenomenon, as regional, national, and international trade relationships have existed for centuries. Because regions are differently equipped with factor endowments and may have specialized in different industries, it seems to be a logical step that trade relationships have been used to transfer products (and services) between trade partners. Classical trade theory has sought to explain the emergence of trade between any two partners. Specifically, Ricardo's theory of comparative advantages has suggested that any two countries will engage in bilateral trade even when one of the partners is more efficient in producing every single good than the other. While comparative cost advantages may explain the emergence of dyadic trade relationships between pairs of actors, we still lack complete understanding about how the individual relationships will add up to a collective system of trade networks. Submissions can refer – but are not limited – to the following areas:

- How are the individual trade relationships interrelated and which structural patterns characterize the overall trade network?

- How has the structure of the international trade network developed over time and what are the dominant drivers of structural change?
- What characterizes local trade networks and what role do they play for the economic development of regions?
- What are the structural effects of major exogenous shocks such as terrorist attacks (e.g., 9/11) or economic crises?
- What are the effects of regional economic integration (e.g., European Union, NAFTA, ASEAN) on the overall structure of the global network?

We welcome contributions that tackle these and related issues from a variety of empirical and methodological perspectives.

Organizer(s) Olaf Rank, University of Freiburg, Chair of Organization and Human Resource Management, Platz der Alten Synagoge, 79098 Freiburg (Germany).
 Phone: +49 761 203-2390 /Fax: +49- 761 203-2394
 Email: olaf.rank@vwl.uni-freiburg.de

Julia Brennecke, Swinburne University of Technology Melbourne, Centre for Transformative Innovation, PO Box 218, Mail H25, Hawthorn VIC 3122 (Australia).
 Phone: +61 3 9214 3792
 Email: jbrennecke@swin.edu.au

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Trade Networks" as the session title.

Session Title Words and Networks

Description This session is dedicated to cutting edge research at the nexus of text analysis (including content analysis, discourse analysis, text mining and natural language processing) and network analysis. While both text analysis and network analysis have evolved into mature yet still quickly advancing fields, work at their intersection lacks behind in theoretical, empirical and methodological foundations. Closing this gap matters since prior work has shown that without considering the content of text data for certain types of network analysis, e.g. when studying communication networks and social media networks, we are limited in our ability to understand the impact of language use on networks and vice versa. Research in these areas has led to eminent work in language change, the diffusion and adoption of information, rumors and beliefs offline and online, and collaborative work, among other application domains.

Jointly considering text data and network data enables us to study networks along multiple dimensions of human behavior, namely language use and social interaction, and to advance our understanding of the interplay and co-evolution of information and networks. For example, the social/ collaboration structure and content from Wikipedia can be used to study different aspects of intercultural human evolution. For instance, different-language Wikipedias provide a mirror of today's historical understanding of World history by different cultures, allow researchers to measure differences in (gender) equality, and track emotionality and subjectivity in different-language news, or assess whether war and conquest or science and art are considered more important

in different cultures.

A second aspect of bringing text analytics to the field of network analysis is the construction of network data based on natural language text data (a process also known as relation extraction) and textual meta-data. This approach can help to build or supplement social network data, which renders useful when other data collection techniques are complicated or lead to incomplete results. Examples include computer-supported construction of network data based on archival text data including letters and diaries, relationships between biological elements or chemical compounds as evident from research papers and patents, and actor-event networks based on news wire data.

Organizer(s) Jana Diesner (UIUC), and Peter Gloor (MIT).

Email: jdiesner@illinois.edu

Submission Instructions Please submit an abstract using the conference's abstract submission system and select "Words and Networks" as the session title.
