SBP and BRiMS 2015 Program

Wednesday, April 1

Welcome	8:15 AM		
Session 1 (SBP)	**8:30 AM**	**Behavioral and Social Sciences and Economics**	
SBP Talk 1		A model of policy formation through simulated annealing	Vincent Kane, Clarence Dillon and Scott Atherly
SBP Talk 2		Persistence in voting behavior: stronghold dynamics in elections	Toni Perez, Juan Fernandez-Gracia, Jose J. Ramasco and Victor M Eguiluz
SBP Talk 3		Advantages of cooperative behavior during tsunami evacuation	Adam Skucki and Radoslaw Nielek
SBP Talk 4		A novel mental state model of social perception of brand crisis from an entertainment perspective	Rungsiman Nararatwong, Roberto Legaspi, Hitoshi Okada and Hiroshi Maruyama
Break	9:50 AM		
Keynote (SBP)	**10:15 AM**	**Prof. Scott Page**	
Session 2 (BRiMS)	**11:30 AM**	**Inference and Decision-Making**	
BRiMS Talk 1		Malware identification using cognitive inspired inference	Robert Thomson, Christian Lebiere, Stefano Bennati, Paulo Shakarian and Eric Nunes
BRiMS Talk 2		How could cyber analysts learn faster and make better decisions	Fangting Wu and Cleotilde Gonzalez
BRiMS Talk 3		A process for developing accurate kinesic cues in virtual environments	Stephanie Lackey, Karla Badillo-Urquiola, Eric Ortiz and Irwin Hudson
Lunch	12:30 PM		
SBP Challenge	**1:45 PM**		
SBP Best Paper Awards Presentation	**2:45 PM**		
Break	2:55 PM		
Session 3 (SBP)	**3:20 PM**	**Information, Systems, and Network Science 1**	
SBP Talk 1		Social complexity in the virtual world	Vincent Kane
SBP Talk 2		A network-based model for predicting hashtag breakouts in Twitter	Sultan Alzahrani, Saud Alashri, Anvesh Reddy Koppela, Hasan Davulcu and Ismail Toroslu
SBP Talk 3		Conflict and communication in massively-multiplayer online games	Alireza Hajibagheri, Kiran Lakkaraju, Gita Sukthankar, Rolf Wigand and Nitin Agrawal
SBP Talk 4		Women's right to drive: spillover of brokers, mobilization, and cyberactivism	Serpil Yuce, Nitin Agarwal and Rolf Wigand
SBP Talk 5		Social computing for impact assessment of social change	Jana Diesner and Rezvaneh Rezapour
End of Day	5:00 PM		

Thursday, April 2

Session 4 (SBP)	**8:30 AM**	**Health Sciences**	
SBP Talk 1		A comparative study of symptom clustering on clinical and social media data	Christopher Yang, Edward Ip, Nancy Avis, Qing Ping and Ling Jiang
SBP Talk 2		Temporal causality of social support in an online community for cancer survivors	Ngot Bui, John Yen and Vasant Honavar
SBP Talk 3		Are you satisfied with life?: Predicting satisfaction with life from Facebook	Susan Collins, Yizhou Sun, David Stillwell, Michal Kosinski and Natasha Markuzon
SBP Talk 4		The impact of human behavioral changes in 2014 west Africa Ebola outbreak	Kun Hu, Simone Bianco, Stefan Edlund and James Kaufman
Session 5 (BRiMS)	**9:50 AM**	**Multi-Agent Models / Social**	
BRiMS Talk 1		Cognitive leadership framework using instance-based learning	Noam Ben-Asher, Jin-Hee Cho and Adali Sibel
BRiMS Talk 2		Extending formative models of large scale networks	Eli Stickgold, Bruce Skarin, Ian Stewart and Corey Lofdahl
BRiMS Talk 3		Agents and decision trees from microdata	John B. Nelson, William G. Kennedy and Ariel M. Greenberg
Break	10:50 AM		
Keynote (SBP)	**11:15 AM**	**Prof. Phil Bourne**	
Lunch	12:30 PM		
Keynote (SBP)	**2:00 PM**	**Prof. Mark Newman**	
Break	3:15 PM		
Poster Introductions	**3:45 PM**		
Poster Session and Reception	**5:30 PM**	**36 SBP posters + 16 BRiMS posters**	
SBP Poster 1		A mathematical epidemiology approach for identifying critical issues in social media	Segun Akinwumi
SBP Poster 2		Analyzing second screen based social soundtrack of TV viewers from diverse cultural settings	Partha Mukherjee and Bernard Jansen
SBP Poster 3		Expanding consumer health vocabularies by learning consumer health expressions from online health social media	Ling Jiang and Christopher Yang
SBP Poster 4		Identifying correlates of homicide rates in Michoacan, Mexico	Carl Kruger and Matthew Gerber
SBP Poster 5		The Controlled, Large Online Social Experimentation Platform (CLOSE)	Kiran Lakkaraju and Alisa Rogers
SBP Poster 6		Dynamics of a repulsive voter model	Farshad Salimi Naneh Karan and Subhadeep Chakraborty
SBP Poster 7		Gaming the social system	Bahareh Esfahbod, Kurt Kreuger and Nathaniel Osgood
SBP Poster 8		Social behavior bias and knowledge management optimization	Yaniv Altshuler, Alex Pentland and Goren Gordon
SBP Poster 9		Passive crowd sourcing for technology prediction	Erica Briscoe, Darren Appling and Joel Schlosser
SBP Poster 10		Error-correction and aggregation in crowd-sourcing of geopolitical incident information	Alexander Ororbia Ii, Yang Xu, Vito D'Orazio and David Reitter

SBP Poster 11	Beyond mere following: Mention network, a better alternative for researching user interaction and behavior	Minh-Duc Luu and Andrew C. Thomas
SBP Poster 12	A study of daily sample composition on Amazon Mechanical Turk	Kiran Lakkaraju
SBP Poster 13	Determinants of user ratings in social media based ranking services	Syed Ashiqur Rahman, Tazin Afrin and Don Adjeroh
SBP Poster 14	Inferring user interests on Tumblr	Jiejun Xu and Tsai-Ching Lu
SBP Poster 15	How to predict social trends by mining user sentiments	Iuliia Chepurna, Somayyeh Aghababaei and Masoud Makrehchi
SBP Poster 16	Agent-based models of copycat suicide	Patrick Morabito, Amanda Cook, Christopher Homan and Michael Long
SBP Poster 17	SOR: A protocol for requests dissemination in online social networks	Salem Othman and Javed Khan
SBP Poster 18	A preliminary model of media influence on attitude diffusion	Kiran Lakkaraju
SBP Poster 19	Socio-spatial Pareto frontiers of twitter networks	Brandon Oselio, Alex Kulesza and Alfred Hero
SBP Poster 20	Residential mobility and lung cancer risk: data-driven exploration using internet sources	Hong-Jun Yoon, Georgia Tourassi and Songhua Xu
SBP Poster 21	Social support & stress in autism blogging community on twitter	Amit Saha and Nitin Agarwal
SBP Poster 22	MECH: a model for predictive analysis of human choices in asymmetric conflicts	Stephen George, Xing Wang and Jyh-Charn Liu
SBP Poster 23	Early prediction of movie success – what, who, and when	Michael Lash, Sunyang Fu, Shiyao Wang and Kang Zhao
SBP Poster 24	Using topic models to measure social psychological characteristics of online social media	Ian Wood
SBP Poster 25	Complex interactions in social and event network analysis	Peter Walker, Sidney Fooshee and Ian Davidson
SBP Poster 26	Analyzing deviant cyber flash mobs (DCFMS) of ISIL on twitter	Samer Al-Khateeb and Nitin Agarwal
SBP Poster 27	Modeling group dynamics for personalized group-event recommendation	Sanjay Purushotham
SBP Poster 28	Styles in the fashion social network: an analysis on lookbook.nu	Yusan Lin, Heng Xu, Yilu Zhou and Wang-Chien Lee
SBP Poster 29	Quantifying tactical risk: a framework for statistical classification using MECH	Xing Wang, Stephen George, Jason Lin and Jyh-Charn Liu
SBP Poster 30	Automatic tonal music composition using functional harmony	Michele Della Ventura
SBP Poster 31	Ride sharing: a network perspective	Erez Shmueli, Itzik Mazeh, Laura Radaelli, Alex Pentland and Yaniv Altshuler
SBP Poster 32	Mining store competitiveness from user visitation data	Thanh-Nam Doan, Freddy Chong Tat Chua and Ee-Peng Lim
SBP Poster 33	Resilience of criminal networks	Fatih Özgül and Zeki Erdem
SBP Poster 34	Risk management in asymmetric conflict: using predictive route reconnaissance to assess and mitigate threats	Jason Lin, Benke Qu, Xing Wang, Stephen George and Jyh-Charn Liu
SBP Poster 35	An analysis of MOOC discussion forum interactions from the most active users	Jian-Syuan Wong, Bart Pursel, Anna Divinsky and Bernard J. Jansen

SBP Poster 36	'Linguistics-lite' topic extraction from multilingual social media data	Peter Chew
BRiMS Poster 1	Patterns of life in the foreground and background: practical approaches to enhancing simulation-based interaction skills training	Robert Hubal
BRiMS Poster 2	A step toward data driven JFO human behavior models	Stephanie Lackey, Roberto Champney, Gino Fragomeni, Julie Salcedo and Stephen Serge
BRiMS Poster 3	Working towards emergent, permanent, social affines	Ovi Chris Rouly
BRiMS Poster 4	Social preference formation	Nisheeth Srivastava
BRiMS Poster 5	Predicting trust dynamics and transfer of learning in games of strategic interaction as a function of a player's strategy and level of trustworthiness	Michael Collins, Ion Juvina, Gary Douglas and Kevin Gluck
BRiMS Poster 6	ACT-R modeling of password entry errors	Kristen Greene and Franklin Tamborello
BRiMS Poster 7	Using focus of attention for team behavior classification	Bradley Wimpey, Craig Lennon and Maryanne Fields
BRiMS Poster 8	A comparison of reinforcement learning and instance-based learning approaches in a prognostic foraging task	Suhas E. Chelian, Jaehyon Paik, Peter Pirolli, Christian Lebiere and Rajan Bhattacharyya
BRiMS Poster 9	Social network analysis of crowds	Elizabeth Mezzacappa, Gordon Cooke, Kenneth Short, Charles Sheridan, Gladstone Reid, Kevin Tevis, Robert Demarco, Nasir Jaffery and John Riedener
BRiMS Poster 10	Introduction to dynamic network analysis	Geoffrey Morgan, William Frankenstein and Kathleen Carley
BRiMS Poster 11	Informing transactive memory through social cognition in agents	Geoffrey Morgan, Kenneth Joseph and Kathleen Carley
BRiMS Poster 12	Role of information asymmetry in a public goods game for climate change	Medha Kumar, Rohit Chouhan and Varun Dutt
BRiMS Poster 13	Cognitive and probabilistic models of group decision making	Yuqing Tang, Christian Lebiere, Katia Sycara, Don Morrison and Paul Smart
BRiMS Poster 14	Individual differences in information processing in networked decision making	David Hughes, Sibel Adali, Jin-Hee Cho and Jennifer Mangels
BRiMS Poster 15	Cognitively-inspired context models can improve robot and virtual agent interactive behavior	Wayne Zachary, Travis Thomas, Andrew Rosoff, Matthew Johnson and Robert Hoffman
BRiMS Poster 16	Automated monitoring and evaluation of expected behavior	Randolph Jones, Ben Bachelor, Webb Stacy, John Colonna-Romano and Robert Wray
End of Day 7:30 PM		

Friday, April 3

Session 6 (SBP)	**8:30 AM**	**Military and Security**	
SBP Talk 1		The influence of collaboration on research quality: social network analysis of scientific collaboration in terrorism studies research groups	Alla Khadka and Mike Byers
SBP Talk 2		Learning automated agents from historical game data via tensor decomposition	Peter Walker and Ian Davidson
SBP Talk 3		Social network extraction and High Value Individual (HVI) identification within fused intelligence data	Alireza Farasat, Geoff Gross, Rakesh Nagi and Alexander Nikolaev
Session 7 (BRiMS)	**9:30 AM**	**Modeling Emotion and Perception**	
BRiMS Talk 1		Semantic labelling of objects in a simulated environment	Ralph Brewer and Maryanne Fields
BRiMS Talk 2		Long-term dementia care: modeling the decision process	Emily Ihara, William Kennedy, Catherine Tompkins and Michael Wolf-Branigin
BRiMS Talk 3		An emotion and temperament model of cognitive mobile robots	Lyle Long, Troy Kelley and Eric Avery
Break	10:30 AM		
Keynote (BRiMS)	**11:00 AM**	**CDR Joseph Cohn**	
Lunch and SBP Panel	**12:30 PM**		
Session 8 (SBP)	**2:00 PM**	**Information, Systems, and Network Science 2**	
SBP Talk 1		Are tweets biased by audience? An analysis from the view of topic diversity	Sandra Servia-Rodríguez, Rebeca P. Díaz-Redondo and Ana Fernández-Vilas
SBP Talk 2		Network-based group account classification	Patrick Park, Ryan Compton and Tsai-Ching Lu
SBP Talk 3		VIP: incorporating human cognitive biases in a probabilistic model of retweeting	Jeonhyung Kang and Kristina Lerman
SBP Talk 4		Detecting rumors through modeling information propagation networks in a social media environment	Yang Liu, Songhua Xu and Georgia Tourassi
Break	3:20 PM		
Session 9 (SBP)	**3:40 PM**	**Information, Systems, and Network Science 3**	
SBP Talk 1		Analysis of music tagging and listening patterns: do tags really function as retrieval aids?	Jared Lorince, Kenneth Joseph and Peter Todd
SBP Talk 2		Efficient learning of user conformity on review score	Kazumi Saito, Kouzou Ohara, Masahiro Kimura and Hiroshi Motoda
SBP Talk 3		Structural properties of ego networks	Sidharth Gupta, Xiaoran Yan and Kristina Lerman
SBP Talk 4		Subjective versus objective questions: perception of question subjectivity in social Q&A	Zhe Liu and Bernard J. Jansen
End of Day	5:00 PM		