



Jointly with:

International Symposium on Open Source Intelligence and Web Mining 2010 (OSINT-WM 2010) & The 2nd International Workshop on Mining Social Networks for Decision Support (MSNDS2010)

Conference Program



UNIVERSITY OF SOUTHERN DENMARK
Campusvej 55, DK-5230 Odense Denmark

Monday, August 9, 2010

08:00-08:45	Registration				
Panorama area					
08:45-09:00	Opening: Welcome Session				
Room: O-100					
09:00-10:00	Keynote: Stan Wasserman: Data Mining for Networks - The Good and the Bad				
Room: O-100	Chair:				
10:00-10:30	Coffee Break / Poster Session				
Panorama area					
10:30-12:30	Session: Applications of Social Networks	10:30-12:30	Session: Social Network Analysis	10:30-12:30	Workshop on Mining Social Networks for Decision Support
Room: O-99	Chair:	Room: O-95	Chair:	Room: O-96	Chair:
	A Social Network Analysis and Mining Methodology for the Monitoring of Specific Domains in the Blogosphere		Product adoption networks and their growth in a large mobile phone network	Workshop	Automatic Detection of Social Tag Spams Using a Text Mining Approach
	Darko Obradović, Stephan Baumann and Andreas Dengel		Pål Roe Sundsøy, Johannes Bjelland, Geoffrey Canright, Kenth Engø-Monsen and Rich Ling		Hsin-Chang Yang and Chung-Hong Lee
	Learning from the Past: An Analysis of Person Name Corrections in DBLP Collection and Social Network Properties of Affected Entities		Labeling Communities using Structural Properties	Workshop	Improving marketing response by data mining in social network
	Florian Reitz and Oliver Hoffmann		Mohan Saravanan, Garigipati Prasad, Karishma Surana and Dew Suganthi	Workshop	Jerzy Surma and Anna Furmanek
	The Structure of the Computer Science Knowledge Network		Online social network popularity evolution: an additive mixture model	Workshop	Identifying Themes in Social Media and Detecting Sentiments
	Manh Cuong Pham and Ralf Klamma		Thomas Couronne, Alina Stoica and Jean-Samuel Beuscart	Workshop	Jayanta Kumar Pal and Abhisek Saha
	Business-oriented Analysis of a Social Network of University Students		Community Aware Personalized Web Search		A Hierarchical Algorithm for Clustering Extremist Web Pages
	Vincent Labatut and Jean-Michel Balasque		Omair Shafiq, Reda Alhajj and Jon G. Rokne	Workshop	Xingqin Qi, Kyle Christensen, Robert Duval, Edgar Fuller, Arian Spahiu, Qin Wu and Cun-Quan Zhang
			Enriching and Simplifying Communication by Social Prioritization		A Dynamic and Task-Oriented Social Network Extraction System Based on Analyzing Personal Social Data
			Juwel Rana, Johan Kristiansson and Kåre Synnes		Kai-Yu Wang, I-Hsien Ting, Hui-Ju Wu and Pei-Shan Chang
12:30-13:45	Lunch Break				
Panorama area					



Jointly with:

International Symposium on Open Source Intelligence and Web Mining 2010 (OSINT-WM 2010) & The 2nd International Workshop on Mining Social Networks for Decision Support (MSNDS2010)

Conference Program



UNIVERSITY OF SOUTHERN DENMARK
Campusvej 55, DK-5230 Odense Denmark

Monday, August 9, 2010

13:45-14:45	Keynote: Johny Engell-Hansen: Enhancing Early Warning with Open Source Intelligence		
Room: O-100	Chair:		
14:45-15:15	Coffee Break / Poster Session		
Panorama area			
15:15-17:25	Session: Social Aspects I	15:15-17:25	Session: Algorithms for Social Networks I
Room: O-99	Chair:	Room: O-95	Chair:
	Empirical Study of Social Features' Roles in Buyers' Complex Decision Making		Incremental Detection of Local Community Structure
	Li Chen		L. Karl Branting
	Detecting Social Positions using Simulation		Application of Genetic Algorithms to the Identification of Website Link Structure
	Joel Brynielsson, Johanna Högberg, Lisa Kaati, Christian Mårtenson and Pontus Svenson		Rocío Martínez Torres, Beatriz Palacios Florencio, Sergio Toral Marín and Federico Barrero García
	What Can the Temporal Social Behavior Tell Us? An Estimation of Vertex-Betweenness Using Dynamic Social Information		Iterative Annotation of Multi-relational Social Networks
	Jing-Kai Lou, Shou-de Lin, Kuan-Ta Chen And Chin-Laung Lei		Stéphane Peters, Ludovic Denoyer and Patrick Gallinari
	Opinion Detection in Blogs: What is still Missing?		Efficient Extraction of High-Betweenness Vertices
	Malik Muhammad Saad Missen, Mohand Boughanem and Guillaume Cabanac		Wen Haw Chong, Wei Shan Belinda Toh and Loo Nin Teow
	Analyzing the Blogosphere for Predicting the Success of Music and Movie Products		Detecting Communities in Massive Networks based on Local Community Attractive Force Optimization
	Fabian Abel, Ernesto Diaz-Aviles, Nicola Henze, Daniel Krause and Patrick Siehndel		Qi Ye, Bin Wu, Yuan Gao and Bai Wang
15:15-17:25		15:15-17:25	Session: Detecting Various Aspects in Social Networks
Room: O-96		Room: O-96	Chair:
			Profiling Phishing Emails Based on Hyperlink Information
			John Yearwood, Musa Mammadov and Arunava Banerjee
			Assessing Expertise Awareness in Resolution Networks
			Yi Chen, Shu Tao, Xifeng Yan, Nikos Anerousis, Qihong Shao
			Faving Reciprocity in Content Sharing Communities: A comparative analysis of Flickr and Twitter
			Jong Gun Lee, Panayotis Antoniadis and Kavé Salamatian
			Identifying Networks of Semantically-Similar Individuals from Public Discussion Forums
			James A. Danowski
			The Effect of Network Realism on Community Detection Algorithms
			Günce K. Orman and Vincent Labatut
17:30	End of first day		
19:00-21:00	Reception		
Location:	Hans Christian Andersen Museum, Bangs Boder 29, 5000 Odense C (http://museum.odense.dk/museums/hans-christian-andersen-museum.aspx)		



Jointly with:

International Symposium on Open Source Intelligence and Web Mining 2010 (OSINT-WM 2010) & The 2nd International Workshop on Mining Social Networks for Decision Support (MSNDS2010)

Conference Program



UNIVERSITY OF SOUTHERN DENMARK
Campusvej 55, DK-5230 Odense Denmark

Tuesday, August 10, 2010

08:30-09:00	Registration				
Panorama area					
09:00-10:00	Inaugural Talk OSINT-WM 2010: Arno P.H. Reuser: Please Hurry				
Room: O-100	Chair:				
10:00-10:30	Coffee Break / Poster Session				
Panorama area					
10:30-11:30	Invited Talk: Jakub Piskorski: Multilingual Event Extraction for Border Security Intelligence Gathering				
Room: O-100	Chair:				
11:30-12:45	Open Source INTElligence and Web Mining 2010 Symposium	11:30-12:45	Session: Social Aspects II	11:30-12:45	Session: Models for Social Networks I
Room: O-99	Chair:	Room: O-95	Chair:	Room: O-96	Chair:
Symposium	A Global Measure for Estimating the Degree of Organization of Terrorist Networks		Leveraging contextual information to explore posting and linking behaviors of bloggers		Tracking the Evolution of Communities in Dynamic Social Networks
	Khaled Dawoud, Reda Alhajj and Jon Rokne		Sofus A. Macskassy		Derek Greene, Dónal Doyle and Pádraig Cunningham
Symposium	Detecting New Trends in Terrorist Networks		White's Three Disciplines and Relative Valuation Order: Countering the social ignorance of automated data collection and analysis		Rhythm and Randomness in Human Contact
	Uffe Kock Wiil, Nasrullah Memon and Panagiotis Karampelas		Steven McDermott		Mervyn P. Freeman, Nicholas W. Watkins, Eiko Yoneki, and Jon Crowcroft
Symposium	Text-Based Web Page Classification with Use of Visual Information		Detecting Leaders in Behavioral Networks		An Analysis of Communities in Different Types of Online Forums
	Vladimír Bartík		Ilham Esslimani, Armelle Brun, Anne Boyer		Mikołaj Morzy
Symposium	A Case Study of Open Source and Public Participation in Catalyzing Social Innovations				
	Helen K. Liu and Jodi Sandfort				
12:45-14:00	Lunch Break				
Panorama area					



Jointly with:

International Symposium on Open Source Intelligence and Web Mining 2010 (OSINT-WM 2010) & The 2nd International Workshop on Mining Social Networks for Decision Support (MSNDS2010)

Conference Program



UNIVERSITY OF SOUTHERN DENMARK
Campusvej 55, DK-5230 Odense Denmark

Tuesday, August 10, 2010

13:45-14:45	Invited Talk: Berto Jongman: Trends in Terrorist Propaganda
Room: O-100	Chair:
14:45-15:15	Coffee Break / Poster Session
Panorama area	
15:15-16:15	Keynote: Andrew Chester: Operating Risk Intelligence in an Age of Information Abundance
Room: O-100	Chair:
16:30	End of second day
18:00-22:00	Social Event
Location:	Jomfru Rigborg at Egeskov Castle south of Odense (Castle: http://egeskov.dk/en/node/378 - Restaurant: http://egeskov.dk/en/perfect-setting)



Jointly with:

International Symposium on Open Source Intelligence and Web Mining 2010 (OSINT-WM 2010) & The 2nd International Workshop on Mining Social Networks for Decision Support (MSNDS2010)

Conference Program



UNIVERSITY OF SOUTHERN DENMARK

Campusvej 55, DK-5230 Odense Denmark

Wednesday, August 11, 2010

08:30-09:00	Registration				
Panorama area					
09:00-10:00	Keynote: Chris Pallaris: Bridging the "Two Cultures" of Open Source Intelligence				
Room: O-100	Chair:				
10:00-10:30	Coffee Break / Poster Session				
Panorama area					
10:30-12:30	Session: Clustering, Data Mining & Identification	10:30-12:30	Session: Privacy and Security	10:30-12:30	Session: Algorithms for Social Networks II
Room: O-99	Chair:	Room: O-95	Chair:	Room: O-96	Chair:
	A Multiobjective and Evolutionary Clustering Method for Dynamic Networks		A Framework for Improved Adolescent and Child Safety in MMOs		Fast Discovery of Reliable Subnetworks
	Francesco Folino and Clara Pizzuti		Lyta Penna, Andrew Clark and George Mohay		Petteri Hintsanen, Hannu Toivonen and Petteri Sevon
	Overlapping Community Detection by Collective Friendship Group Inference		Measuring Link Importance in Terrorist Networks		Detecting highly overlapping communities with Model-based Overlapping Seed Expansion
	Bradley S. Rees and Keith B. Gallagher		Uffe Kock Wiil, Jolanta Gniadek and Nasrullah Memon		Aaron McDaid and Neil Hurley
	Clustering Social Networks Using Distance-preserving Subgraphs		Optimizing Multiple Centrality Computations for Reputation Systems		Quest: An Adaptive Framework for User Profile Acquisition from Social Communities of Interest
	Ronald Nussbaum, Abdol-Hossein Esfahani, and Pang-Ning Tan		Christian von der Weth, Klemens Böhm and Christian Hütter		Nima Dokoohaki and Mihhail Matskin
	Web Clustering Using Social Bookmarking Data with Dimension Reduction Regarding Similarity		New Approach to Manage Security Against Neighborhood Attacks in Social Networks		Information propagation analysis in a social network site
	Hidekazu Yanagimoto, Michifumi Yoshioka and Sigeru Omatu		B. K. Tripathy and Gouri Kumar Panda		Matteo Magnani, Danilo Montesi and Luca Rossi
	Key player identification: a note on weighted connectivity games and the Shapley value		Virus Propagation Modeling in Facebook		
	Roy Lindelauf and Iris Blankers		Wei Fan and Kai Hau Yeung		
	Dynamic Features of Social Tagging Vocabulary: Delicious, Flickr and YouTube				
	Daifeng Li, Ying Ding, Zheng Qin, Staša Milojević, Bing He, Erjia Yan and Tianxi Dong				



Jointly with:

International Symposium on Open Source Intelligence and Web Mining 2010 (OSINT-WM 2010) & The 2nd International Workshop on Mining Social Networks for Decision Support (MSNDS2010)

Conference Program



UNIVERSITY OF SOUTHERN DENMARK
Campusvej 55, DK-5230 Odense Denmark

Wednesday, August 11, 2010

12:30-13:45	Lunch Break				
Panorama area					
13:45-15:30	Session: Representation, Visualization, and Interaction	13:45-15:30	Session: Models for Social Networks II	13:45-15:30	Session: Recommendation and Prediction
Room: O-99	Chair:	Room: O-95	Chair:	Room: O-96	Chair:
	Pixel-Oriented Visualization of Change in Social Networks		Semi-Supervised Classification of Network Data Using Very Few Labels		A Unified Framework for Link Recommendation Using Random Walks
	Klaus Stein, René Wegener and Christoph Schlieder		Frank Lin and William W. Cohen		Zhijun Yin, Manish Gupta, Tim Weninger, Jiawei Han
	Using Vector Clocks to Visualize Communication Flow		How to Forget the Second Side of the Story: A New Method for the One-Mode Projection of Bipartite Graphs		Mining Interaction Behaviors for Email Reply Order Prediction
	Martin Harrigan		Katharina A. Zweig		Byung-Won On, Ee-Peng Lim, Jing Jiang, Amruta Purandare and Loo-Nin Teow
	COSI: Cloud Oriented Subgraph Identification in Massive Social Networks		A study on social network metrics and their application in trust networks		Crumblr: Aggregation and Sharing of Spatial Content in Mobile Environments
	Matthias Bröcheler, Andrea Pugliese and V.S. Subrahmanian		Iraklis Varlamis, Magdalini Eirini and Malamati Louta		Dragan Šunjka, Darko Obradović and Andreas Dengel
	Visualizing the evolution of users' profiles from online social networks		Subjective Document Classification using Network Analysis		A Movie Rating Prediction Algorithm with Collaborative Filtering
	Dieudonné Tchente, Marie-Françoise Canut, Nadine Baptiste Jessel, André Péninou, Anass El Haddadi		Minkyong Kim, Byoung-Tak Zhang and June-Sup Lee		O. Bora Fikir, Iker O. Yaz and Tansel Özyer
					Supervised Machine Learning applied to Link Prediction in Bipartite Social Networks
					Nasserine Benchettara, Rushed Kanawati and Céline Rouveirol
15:30-16:00	Coffee Break / Poster Session				
Panorama area					
16:00-16:30	Closing Session / Paper Awards				
Room: O-100					
16:30	End of the third day - End of the conference				



Jointly with:

International Symposium on Open Source Intelligence and Web Mining 2010 (OSINT-WM 2010) & The 2nd International Workshop on Mining Social Networks for Decision Support (MSNDS2010)

Conference Program



UNIVERSITY OF SOUTHERN DENMARK

Campusvej 55, DK-5230 Odense Denmark

Monday 9 to Wednesday 11, August, 2010

Coffee Breaks	ASONAM 2010 Poster Session
Panorama Area	Chair:
	An Empirical Analysis on Social Capital and Enterprise 2.0 Participation in a Research Institute
	Ferron Michela, Frassoni Marco, Massa Paolo, Napolitano Maurizio, Setti Davide
	Community Comparison in Communication Networks
	Belkacem Serrou and Hamamache Kheddouci
	Hierarchy in Germany's Corporate Network
	Mishaël Milaković, Matthias Raddant, and Laura Birg
	A multidisciplinary model of dynamic and semantic social networks analysis for institutions
	Christophe Thovex and Francky Trichet
	Comparison of feature-based criminal network detection models with k-core and n-clique
	Fatih Ozgul, Zeki Erdem, Chris Bowerman and Claus Atzenbeck
	Designing, Analyzing and Exploiting Stake-based Social Networks
	Tsung-Ting Kuo, Jung-Jung Yeh, Chia-Jen Lin, Shou-De Lin
	Mining Potential Partnership through Opportunity Discovery in Research Networks
	Alessandro Cucchiarelli and Fulvio D'Antonio
	Augmenting Rapid Clustering Method for Social Network Analysis
	J. Prabhu, M. Sudharshan, M. Saravanan and G.Prasad
	Linking Collaborative Filtering and Social Networks: Who are my Mentors?
	Armelle Brun and Anne Boyer
	Finding Patterns of Students' Behavior in Synthetic Social Networks
	Gamila Obadi, Pavla Dráždilová, Jan Martinovič, Kateřina Slaninová and Václav Snášel
	Social Network Analysis of Iran's Green Movement Opposition Groups using Twitter
	Kaveh Ketabchi Khonsari, Zahra Amin Nayeri, Ali Fathalian and Leila Fathalian



Jointly with:

International Symposium on Open Source Intelligence and Web Mining 2010 (OSINT-WM 2010) & The 2nd International Workshop on Mining Social Networks for Decision Support (MSNDS2010)

Conference Sponsors and Venue

Academic Sponsors



UNIVERSITY OF SOUTHERN DENMARK

University of Southern Denmark

Odense, Denmark

Campusvej 55, DK-5230 Odense M, Denmark

Tel.: +45 6550 1000

Website: <http://www.sdu.dk>



UNIVERSITY OF
CALGARY

University of Calgary

Calgary, Canada

2500 University Drive NW, Calgary, AB, Canada T2N 1N4

Tel.: +1 (403) 220-5110

Website: <http://www.ucalgary.ca>

Hellenic American University

Athens, Greece

Kaplanon 12, 10680, Athens, Greece

Tel.: +30 210 36 80 950

Website: <http://www.hau.edu.gr>

Global University

Beirut, Lebanon

P.O. Box 15-5085, Batrakieh, Beirut, Lebanon

Tel.: +961 1 358058

Website: <http://www.gu.edu.lb>



Association for
Computing Machinery



SIGCHI
special interest group computer human interaction

In cooperation with:

Technical Co-sponsorship by:



Technical Committee
on Data Engineering

Industrial Sponsor:



SpringerWienNewYork

Conference Venue



UNIVERSITY OF SOUTHERN DENMARK

Campusvej 55, DK-5230 Odense Denmark

