

# Table of Contents

## Networks, Communities, and Crowds

On Joint Modeling of Topical Communities and Personal Interest in Microblogs .....	1
<i>Tuan-Anh Hoang and Ee-Peng Lim</i>	
Bridging Social Network Analysis and Judgment Aggregation .....	17
<i>Silvano Colombo Tosatto and Marc van Zee</i>	
Friend Grouping Algorithms for Online Social Networks: Preference, Bias, and Implications .....	34
<i>Motahhare Eslami, Amirhossein Aleyasen, Roshanak Zilouchian Moghaddam, and Karrie Karahalios</i>	
The Influence of Indirect Ties on Social Network Dynamics .....	50
<i>Xiang Zuo, Jeremy Blackburn, Nicolas Kourtellis, John Skvoretz, and Adriana Iamnitchi</i>	
Predicting Online Community Churners Using Gaussian Sequences .....	66
<i>Matthew Rowe</i>	
GitHub Projects. Quality Analysis of Open-Source Software .....	80
<i>Oskar Jarczyk, Błażej Gruszka, Szymon Jaroszewicz, Leszek Bukowski, and Adam Wierzbicki</i>	
Improving on Popularity as a Proxy for Generality When Building Tag Hierarchies from Folksonomies .....	95
<i>Fahad Almoqhim, David E. Millard, and Nigel Shadbolt</i>	
Evolution of Cooperation in SNS-norms Game on Complex Networks and Real Social Networks .....	112
<i>Yuki Hirahara, Fujio Toriumi, and Toshiharu Sugawara</i>	

## Interpersonal Links and Gender Biases

International Gender Differences and Gaps in Online Social Networks ...	121
<i>Gabriel Magno and Ingmar Weber</i>	
Gender Patterns in a Large Online Social Network .....	139
<i>Yana Volkovich, David Laniado, Karolin E. Kappler, and Andreas Kaltenbrunner</i>	
User Profiling via Affinity-Aware Friendship Network .....	151
<i>Zhuohua Chen, Feida Zhu, Guangming Guo, and Hongyan Liu</i>	

Disenchanted the World: The Impact of Technology on Relationships .....	166
<i>Paolo Parigi and Bogdan State</i>	
Look into My Eyes & See, What You Mean to Me. Social Presence as Source for Social Capital .....	183
<i>Katja Neureiter, Christiane Moser, and Manfred Tscheligi</i>	
From "I Love You Babe" to "Leave Me Alone" - Romantic Relationship Breakups on Twitter .....	199
<i>Venkata Rama Kiran Garimella, Ingmar Weber, and Sonya Dal Cin</i>	
The Social Name-Letter Effect on Online Social Networks .....	216
<i>Farshad Kooti, Gabriel Magno, and Ingmar Weber</i>	

## News, Credibility, and Opinion Formation

TweetCred: Real-Time Credibility Assessment of Content on Twitter ...	228
<i>Aditi Gupta, Ponnuram Kumaraguru, Carlos Castillo, and Patrick Meier</i>	
Can Diversity Improve Credibility of User Review Data? .....	244
<i>Yoshiyuki Shoji, Makoto P. Kato, and Katsumi Tanaka</i>	
Social Determinants of Content Selection in the Age of (Mis)Information .....	259
<i>Alessandro Bessi, Guido Caldarelli, Michela Del Vicario, Antonio Scala, and Walter Quattrociocchi</i>	
How Hidden Aspects Can Improve Recommendation? .....	269
<i>Youssef Meguebli, Mouna Kacimi, Bich-liên Doan, and Fabrice Popineau</i>	
The Geography of Online News Engagement .....	279
<i>Martin Saveski, Daniele Quercia, and Amin Mantrach</i>	
On the Feasibility of Predicting News Popularity at Cold Start .....	290
<i>Ioannis Arapakis, B. Barla Cambazoglu, and Mounia Lalmas</i>	
A First Look at Global News Coverage of Disasters by Using the GDELT Dataset .....	300
<i>Haewoon Kwak and Jisun An</i>	
Probabilistic User-Level Opinion Detection on Online Social Networks .....	309
<i>Kasturi Bhattacharjee and Linda Petzold</i>	
Stemming the Flow of Information in a Social Network .....	326
<i>Balaji Vasan Srinivasan, Akshay Kumar, Shubham Gupta, and Khushi Gupta</i>	

Is Twitter a Public Sphere for Online Conflicts? A Cross-Ideological and Cross-Hierarchical Look . . . . .	336
<i>Zhe Liu and Ingmar Weber</i>	

Distributions of Opinion and Extremist Radicalization: Insights from Agent-Based Modeling . . . . .	348
<i>Meysam Alizadeh and Claudio Cioffi-Revilla</i>	

## Science and Technology

Mapping the (R-)Evolution of Technological Fields – A Semantic Network Approach . . . . .	359
<i>Roman Jurowetcki and Daniel S. Hain</i>	

Utilizing Microblog Data in a Topic Modelling Framework for Scientific Articles' Recommendation . . . . .	384
<i>Arjumand Younus, Muhammad Atif Qureshi, Pikakshi Manchanda, Colm O'Riordan, and Gabriella Pasi</i>	

## Organizations, Society, and Social Good

Mining Mobile Phone Data to Investigate Urban Crime Theories at Scale . . . . .	396
<i>Martin Traunmueller, Giovanni Quattrone, and Licia Capra</i>	

Detecting Child Grooming Behaviour Patterns on Social Media . . . . .	412
<i>Amparo Elizabeth Cano, Miriam Fernandez, and Harith Alani</i>	

Digital Rights and Freedoms: A Framework for Surveying Users and Analyzing Policies . . . . .	428
<i>Todd Davies</i>	

Integrating Social Media Communications into the Rapid Assessment of Sudden Onset Disasters . . . . .	444
<i>Sarah Vieweg, Carlos Castillo, and Muhammad Imran</i>	

Towards Happier Organisations: Understanding the Relationship between Communication and Productivity . . . . .	462
<i>Ailbhe N. Finnerty, Kyriaki Kalimeri, and Fabio Pianesi</i>	

Measuring Social and Spatial Relations in an Office Move . . . . .	478
<i>Louise Suckley and Stephen Dobson</i>	

Determining Team Hierarchy from Broadcast Communications . . . . .	493
<i>Anup K. Kalia, Norbou Buchler, Diane Ungvarsky, Ramesh Govindan, and Munindar P. Singh</i>	

Cultural Attributes and their Influence on Consumption Patterns in Popular Music .....	508
<i>Noah Askin and Michael Mauskopf</i>	
Migration of Professionals to the U.S.: Evidence from LinkedIn Data ...	531
<i>Bogdan State, Mario Rodriguez, Dirk Helbing, and Emilio Zagheni</i>	
U.S. Religious Landscape on Twitter .....	544
<i>Lu Chen, Ingmar Weber, and Adam Okulicz-Kozaryn</i>	
Who Are My Audiences? A Study of the Evolution of Target Audiences in Microblogs .....	561
<i>Ruth García-Gavilanes, Andreas Kaltenbrunner, Diego Sáez-Trumper, Ricardo Baeza-Yates, Pablo Aragón, and David Laniado</i>	
<b>Author Index</b> .....	<b>573</b>