World Wide Web journal - Special issue on “Social computing and big data applications”

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Important Dates:
- Submission deadline: December 1, 2017
- Notification: February 1, 2018
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The popularity of social networking and Internet connectivity, as well as the massive data generated from various platforms and digitalized systems, offers researchers with unprecedented opportunities to study user behavior patterns and understand practical implications for various applications, which were previously difficult to explore due to the lack of data. Now, with the large amount of data and data mining techniques available, more real-world social problems may be understood, analyzed and possibly addressed, including but not limited to anomalous (or even criminal) individuals and groups, rumor dissemination, financial crisis, disaster response, and precise medicine.

This special issue of World Wide Web Journal: Social computing and big data applications will focus on the theory and applications of social computing and big data analytics. This special issue covers two folds: (1) recent applications on social computing; and (2) novel techniques on how big data can solve real social and human problems. We solicit papers covering various topics of interest that include, but not limited to, the following:

- Big data applications on precise medicine and human health;
- Data mining of large scale networks and big data;
- Social behavior modeling, understanding, and patterns mining;
- Social computing practice and theory;
- Smart cities, smart mobility, and urban informatics;
- Computational social science and applications;
- Social analytics and societal behavior for prediction;
- Social computing and social networks;
- Social influence modeling and analysis;
- Algorithmic and systems support for mining large-scale social data.
SUBMISSION GUIDELINES

- Authors are encouraged to submit high-quality, original work that has neither appeared in, nor is under consideration by, other journals.
- All papers will be reviewed following standard reviewing procedures for the Journal.
- Prospective authors must prepare their submissions in accordance with the guidelines specified in the “Instructions for Authors” of the WWW Journal: www.springer.com/11280.
- Submit manuscripts to: http://WWWJ.edmgr.com

Biographies of guest editors:

**Xiaoming Fu** received his Ph.D. in computer science from Tsinghua University, Beijing, China in 2000. He was then a research staff at TU Berlin until joining University of Goettingen, Germany in 2002, where he has been a full professor in computer science and heading the Computer Networks Group since 2007. His research interests include network architectures, protocols, and applications including social networks and big data; in these areas he published over 200 papers and is a co-editor of book “Social Network Analysis: Interdisciplinary Approaches and Case Studies (2017)”. He has served as secretary (2008-2010) and vice chair (2010-2012) of the IEEE Communications Society Technical Committee on Computer Communications (TCCC), and chair (2011-2013) of the Internet Technical Committee (ITC). He has been involved in EU FP6 ENABLE, VIDIOS, Daidalos-II and MING-T projects, and is the coordinator of FP7 GreenICN, MobileCloud, CleanSky projects and H2020 ICN2020 projects. He is a recipient of the ACM ICN 2014 Best Paper Award, IEEE LAMAN 2013 Best Paper Award and the 2005 University of Goettingen Foundation Award for Exceptional Publications by Young Scholars. He is an IET Fellow, an IEEE Senior Member, an IEEE Distinguished Lecturer and an ACM Member.

**Hong Huang** is an assistant professor of Computer Science at Huazhong University of Science and Technology, China, being meanwhile a senior researcher and leading the big data group within the Computer Networks Group at the University of Goettingen. She received her PhD in Computer Science (“summa cum laude”) from University of Goettingen in 2016 and holds her master and bachelor’s degrees in electronic engineering from Tsinghua University and Nanjing University of Posts and Telecommunications, China, respectively. She has also spent research stays at sociology departments at the University of Chicago and Tsinghua University, as well as research internships at SAP, NEC Labs, intensively working on the area of social network analysis, big data, data mining and smart cities. She has published 10 papers in leading journals and conferences, and served on the program committees of CIKM 2016 and ASONAM 2015.

**Gareth Tyson** is a lecturer at Queen Mary University of London, and was recently a visiting researcher at Cambridge Computer Lab. He also lectures at Beijing University of Posts and Telecommunications. Prior to this, he worked at King’s College London and Lancaster University. His research interests focus on user-facing networked systems. He has been heavily involved in system measurements and design, looking at topics ranging from network operations to social media. His research has received coverage from news outlets such as MIT Tech Review, Washington Post, Slashdot, BBC, The Times, Daily Mail, Wired, Science Daily, Ars Technica, The Independent, Business Insider and The Register. He has served as a reviewer and program committee member for a number of prominent conferences/journals such as IEEE/ACM ToN, IEEE JSAC, IEEE TPDS, IFIP Networking, ACM ICN, IEEE IWQoS, ICWSM, IEEE TNSM and IEEE TC. He recently was local chair for ACM DEV, which was hosted at Queen Mary, and received the Outstanding Reviewer Award at ICWSM’16. He is the local chair for ACM IMC’17.
Lu Zheng is an Associate Professor of Sociology in Tsinghua University, China and Adjunct Professor of Sociology in Texas A&M University, USA. He received his PhD in sociology from Stanford University and was an assistant professor at Texas A&M University before he returned to China. His research projects focus on corporate social responsibility (CSR), social governance, and China's ongoing urbanization process. His publications appear in Social Forces, British Journal of Sociology, Social Science Research, and China Quarterly, etc. His paper on listed firms in China’s stock market won the Best Paper Award from the International Association of Chinese Management Research (IACMR) Biennial Conference in 2012. His most recent coauthored books are “Data you need to know about China: Research Report of China Household Finance Survey (2014)” and “Social Network Analysis: Methods and Examples (2017)”.

Gang Wang is an Assistant Professor in the Department of Computer Science at Virginia Tech. His research covers a range of topics of Security and Privacy, Internet Measurement, Mobile Networks, and HCI, mostly from data-driven perspectives. His current projects are focused security and privacy in online social networks, data-driven models of user behavior, and security of mobile and wearable devices. He obtained his PhD in Computer Science from UC Santa Barbara in 2016, and a bachelor degree in Electronic Engineering from Tsinghua University in 2010. He spent two summers at Microsoft Research Redmond in 2011 and 2014. He was the recipient of Outstanding Dissertation Award (2016) and PhD dissertation fellowship (2015) from UC Santa Barbara, and Best Practical Paper Award from ACM SIGMETRICS (2013). He recently served on the technical program committees of WWW 2017, and ICWSM 2016, 2017.