Special Issue Call for Submissions

Theme: Web and Big Data

Scope

The social and mobile web revolution promises a generation of new and exciting data-intensive web applications. These applications interact with our online and offline activities more pervasively, generate more data, and provide unprecedented opportunities to affect important aspects of our lives, including economy, transportation, communication, leisure, and health. Current examples include, but not limited to, Facebook, Wechat, Uber, and Didi.

The emergence of big data from these web applications continues to attract increasing attention from researchers to study rich data-related and data-driven problems. This development poses challenges to traditional data management, data mining, and machine learning paradigms.

The World Wide Web Journal invites submissions for a special issue on “The Web and Big Data” that aims to attract papers that cover state-of-the art work and progress in relation to web and big data.

Topics of Interests:

Topics include, but are not limited to, the following.

- Advanced application of databases
- Cloud computing
- Parallel and distributed database systems
- Multidimensional databases and OLAP
- Data management for social-network and location-based services
- Temporal, spatial, spatio-temporal, and spatio-textual data management
- Mobile computing and data management
- Streaming data and real-time processing
- Multimedia systems
- Data mining and knowledge discovery
- Data integration and fusion
- Indexing, query processing, and optimization
- Information retrieval
- Semantic web and knowledge graph
- Security, privacy, trust and reputation

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 World Wide Web journal: www.springer.com/11280.
- Submit manuscripts to: http://WWWJ.edmgr.com
**Important Dates:**

- Submission of Revision: March 31, 2018.
- Publication Date: 2018.

**Guest Editor Bios:**

**Junjie Yao** is an Associate Professor at East China Normal University, Shanghai. His research interests are data mining, text analysis, and social media processing. He has published papers in SIGMOD, VLDB, ICDE, TKDE, and WWWj. He has served in program committee or reviewers in TKDE, ICDE, WWW and WSDM, etc.

**Bin Cui** is a Professor at Peking University. His research interests include database system architectures, query and index techniques, big data management and mining. Prof. Cui is serving as a Trustee Board Member of VLDB Endowment, is also in the Editorial Board of VLDB Journal, Distributed and Parallel Databases Journal, and Information Systems, and was an associate editor of IEEE Transactions on Knowledge and Data Engineering (TKDE, 2009-2013). He was awarded Microsoft Young Professorship award (MSRA 2008), and appointed as Cheung Kong distinguished Professor by MOE P.R.China, in 2016.

**Christian S. Jensen** is Obel Professor of Computer Science at Aalborg University. He is an ACM Fellow (for contributions to temporal and spatio-temporal data management) and an IEEE Fellow (for contributions to temporal, spatio-temporal and mobile data management); and a member of the Academia Europaea, the Royal Danish Academy of Sciences and Letters, and the Danish Academy of Technical Sciences. Prof. Jensen is Editor-in-Chief of ACM TODS and was an Editor-in-Chief of the VLDB Journal from 2008 to 2014.

**Zhe Zhao** is a Research Scientist at Google Research, Mountain View. He graduated from University of Michigan. His research interests are data mining and machine learning. He has published papers in WWW, SIGMOD, ICDE, TKDE, etc. He has served in program committee in WWW, WSDM, ICWSM, CIKM, etc.