

State of the Journal Editorial

Qiang Yang

AFTER its successful debut in 2015, *IEEE Transactions on Big Data* has experienced another high-growth year in 2016. As the interest in big data grows and awareness of our journal spreads, the number of submissions also increases fast. In 2016, *TBD* received 362 submissions. This is up from 224 submissions in the year of 2015. The overall acceptance rate keeps at around the 20 percent mark.

The core value of *TBD* is to produce the highest impact in big data area by being Authoritative, Inclusive, and Current. From the beginning, members of the editorial and review team have shared the vision that big data is inherently multi-disciplinary in nature, consisting of data, infrastructure, algorithms, analytics and platforms, as well as best practices and applications.

Thanks to the hard-working individuals who make the young journal a success, today *TBD* is in a very healthy and productive state both as a highly competitive venue for academic publication and for an authoritative venue for big data research and practice. The editorial office of *TBD* would like to thank all authors who contributed to *TBD* and to all reviewers and associate editors who helped to provide high-quality reviews and timely decisions for the smooth operation of the journal.

In 2016, we have been very lucky to have leading experts to propose special issues with our journal. We have already published 3 issues in 2016:

- Big Data Analytics and the Web (July-Sept 2016)
- Big Scholar Data Discovery and Collaboration (Continued) (April-June 2016)
- Big Scholar Data Discovery and Collaboration (Jan-March 2016)

Moreover, we have quite a number of exciting topics for upcoming special issues:

- Special Issue on Analytics with Big Medical Data
- Special Issue on Big Data Applications in Cyber Security and Threat Intelligence
- Special Issue on Big Data Infrastructure
- Special Issue on Big Data Systems on Emerging Architectures
- Special Issue on Big Data for Cyber-Physical Systems
- Special Issue on Data Quality in Big Data: Problems and Solutions
- Special Issue on Theoretical Foundations for Big Data Security and Privacy
- Special Issue on Trustworthiness in Big Data and Cloud Computing Systems and
- Special Issue on Urban Computing

A characteristic of a good journal is fast-turnaround efficiency and high review quality. In the last 12 months, our staff members and editors have worked hard to reach this goal. Our average days from submission to final decision is 105 days. Our average reviewer turnaround time is 23 days.

In 2017, we have an ambitious plan to further enhance the impact of the journal in big data area. One task is to continue to develop strong relations to big-data related conferences. We have set up an Associate Editor in Chief, Professor Chonggang Wang of InterDigital Communications, who is a top expert in big data research and practice. Professor Wang will ensure that *TBD* will work closely with related conferences via a number of innovations.

We also wish to promote more explorations and innovations in cybersecurity and privacy in the big data community. We will seek publications on how big data interactions with new ideas from artificial intelligence, especially those related to large-scale machine learning. Furthermore, we will look for collaborations with colleagues and associate editors on new issues such as blockchain technology and Fintech.

Finally, I wish to sincerely thank Drs. Jimmy Lin and Wenwu Zhu, whose terms ended in 2016, for their services as associate editors. They have made significant contributions to the quality and reputation of *TBD* via their deep involvement in editorial services. At the same time, I wish to officially welcome new associate editors who joined the editorial board in the second half of 2016: Drs. Kai Chen of HKUST, Sinno Jialin Pan of NTU, and Jeremy Kepner of MIT. This group of newly appointed associate editors represents our interest and determination in recruiting the most established and active working experts in a wide spectrum of research in big data.

As always, on behalf of the *TBD* editorial board and the editorial office, I thank all authors and readers for their enthusiastic support. We look forward to continuing to serve you to the best in the future.

Qiang Yang
Editor in Chief

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