

State of the Journal Editorial

Jian Pei

T*TKDE* experienced another marvelous year in 2014. At the time I am writing this update (end of October), *TKDE* has already received 869 original submissions in less than 10 months. As the number of submissions keeps increasing, we are trying very hard to maintain and strengthen the timeliness of the review process. The final decisions on 597 of the 869 submissions were made, which is substantially higher than the statistics at the same time last year. Among those submissions made in this year, 115 have been accepted.

The statistics clearly show that *TKDE* is in a healthy and productive state as a highly competitive venue for academic publication. I want to thank all of the authors who submitted to *TKDE*, and all of the reviewers and associate editors who helped to run the submission selection process as smoothly as it can be. Your consistent contributions and support make *TKDE* a fruitful and professional journal.

The continued success of *TKDE* heavily relies on high quality submissions and high quality reviews. I strongly encourage you to submit your best articles to *TKDE*. Particularly, we welcome articles about breakthroughs at the emerging technical areas and surveys on new new areas and interdisciplinary areas. Please consider accepting our review invitations if you are contacted, or volunteering yourself to one of our associate editors if you are interested in reviewing. Most importantly, the distinguished status of *TKDE* can be retained only when articles published in *TKDE* are well cited by our audience. Please use *TKDE* as a valuable source in your research and make references to the related articles published in *TKDE*.

I also want to remind you that the scope of *TKDE* has been strengthened recently. To reflect the current trends in knowledge and data engineering research and development practice, *TKDE* gives priority to submissions on the emerging topics, including but not limited to big data and applications, new frontiers of knowledge and data engineering, such as social networks, social media, and crowd sourcing. Submissions purely focusing on the topics centered in some other sister IEEE Transactions, such as core machine learning theory, pattern recognition, image processing, computer vision, neural networks, and fuzzy systems, will not be considered.

I want to sincerely thank Drs. Brian Cooper and George Karypis, who just completed their terms as associate editors in the second half of 2014. Their significant contributions to the quality and reputation of *TKDE* have benefited many authors, readers, and reviewers.

At the same time, I want to officially welcome the three associate editors who joined the editorial board in the second half of 2014: Drs. Jinjun Chen, Themis Palpanas, and Evimaria Terzi. This group of newly appointed associate editors represents our interest and determination in recruiting the most established and active working experts in the wonderful wide spectrum of knowledge and data engineering. Moreover, they are very committed and dedicated to serving the community and handling the review processes, as testified by their rich experience.

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

Happy New Year!

Jian Pei
Editor-in-Chief



Jinjun Chen is an associate professor from the Faculty of Engineering and IT, University of Technology Sydney (UTS), Australia. He is the director of the Lab for Cloud Computing and Data Intensive Systems. He holds a PhD degree in computer science and software engineering from the Swinburne University of Technology, Australia. His research interests include cloud computing, big data, distributed systems, workflow management, privacy and security, and related various research topics. His research results have been published in more than 130 papers in international journals and conferences, including the *IEEE Transactions on Service Computing*, *ACM Transactions on Autonomous and Adaptive Systems*, *ACM Transactions on Software Engineering and Methodology (TOSEM)*, *IEEE Transactions on Software Engineering (TSE)*, *IEEE Transactions on Parallel and Distributed Systems (TPDS)*, and *IEEE Transactions on Computers (TC)*. He received the Swinburne Vice-Chancellor's Research Award for early career researchers (2008), IEEE Computer Society Outstanding Leadership Award (2008-2009) and (2010-2011), IEEE Computer Society Service Award (2007), and Swinburne Faculty of ICT Research Thesis Excellence Award (2007). He is an associate editor for the *IEEE Transactions on Parallel and Distributed Systems*, *IEEE Transactions on Computers*, *IEEE Transactions on Cloud Computing*, and *IEEE Transactions on Knowledge and Data Engineering*. He is the chair of the IEEE Computer Society's Technical Committee on Scalable Computing (TCSC), vice chair of Steering Committee of the Australasian Symposium on Parallel and Distributed Computing, founder and coordinator of the IEEE TCSC Technical Area on Big Data and MapReduce, Technical Area on Workflow Management in Scalable Computing Environments, founder and Steering Committee cochair of the IEEE International Conference on Big Data and Cloud Computing, and the IEEE International Conference on Big Data Science and Engineering.

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Themis Palpanas is a full professor of computer science at the Paris Descartes University (France). He received the BSc degree from the National Technical University of Athens (Greece), and the MSc and PhD degrees from the University of Toronto. (Canada). He has previously held positions at the IBM T.J. Watson Research Center and the University of Trento. He has also worked for the University of California, Riverside, and visited Microsoft Research and the IBM Almaden Research Center. His interests include data management, data analytics, streaming algorithms, and data series indexing. His research solutions have been implemented in world-leading commercial data management products and he is the author of eight US patents, three of which are part of commercial products. He received three Best Paper Awards, and the IBM Shared University Research (SUR) Award. He is a founding member of the Event Processing Technical Society, and is serving as an associate editor of the *IEEE Transactions of Knowledge and Engineering*, the *Big Data Research Journal*, and the *Journal of Intelligent Data Analysis*, as well as on the Editorial Advisory Board of the *Information Systems Journal*. He has served as a general chair for VLDB 2013, and on the program committees of several top database and data mining conferences.



Evimaria Terzi is an associate professor in the Computer Science Department at Boston University (BU). Before joining BU in 2009, she was a research scientist at IBM Almaden Research Center. She obtained the PhD degree from the University of Helsinki, Finland, the MSc degree from Purdue University, West Lafayette, Indiana, and the BSc degree from Aristotle University, Greece. She is a recipient of the Microsoft Faculty Fellowship (2010) and the US NSF CAREER award (2013). Her research interests are in the area of algorithmic data mining with applications to recommendation systems, social network analysis, and team formation.