Editor's Note: EIC Farewell and New EIC Introduction

Ivan Stojmenovic

IT is my great pleasure to announce that Professor David Bader has appointed as the next Editor-in-Chief of the *IEEE Transactions on Parallel and Distributed Systems* (*TPDS*), who will start his term on 1 January 2014. David has a highly distinguished academic career. I am quite sure that he will provide excellent leadership and bring a great deal of technical and managerial experience to *TPDS*. Please join me in congratulating David on his appointment. His brief biography appears below.

As my term as Editor-in-Chief ends, I thought you would be interested in knowing how we are doing in *TPDS*. I have listed a few statistics during my term 2010-2013. The number of submissions doubled from 681 in 2009 to 1,272 in 2012 (and 1,322 for a year ending 31 August 2013). The number of editors also doubled, from 32 to the current number 66. The acceptance rate is approximately 25 percent. The average time from submission to the first decision has been reduced from 4 months to 80 days, while it took, on average, 90 days from submission to the final decision. The average time from submission to online publication has been reduced from 43 weeks to 36 weeks (median is 33 weeks), and each accepted paper has received at least three reviews. As you can see, we are a highly competitive journal with a fast turnaround time similar to conferences. However, the added advantage of submitting to our journal is getting detailed reviews with a possibility of addressing the drawbacks in a paper through a major revision. This does not happen in conferences. I attended three times each IPDPS and ICDCS, two main related conferences, to meet our editors and authors and attend steering committee meetings.

To control the backlog (currently about one year from acceptance date to the scheduled publication date), I pioneered the division of papers into the main file plus supplementary one, with the main file restricted to currently 10 pages (reduced from 14) and with supplementary file with the text of practically unlimited size. A by-product of this conversion was increased readability of the main file; to help it further, one of my editorials was devoted to presenting articles with the goal of minimizing the time for a reader to understand the essence of the contribution.

I was extremely lucky and honored to be given this leadership opportunity, and would like to thank many people who have made my tenure as Editor-in-Chief both rewarding and enjoyable. I am especially grateful to the staff in the publication office of the IEEE Computer Society, Pam Gimzo and Carrie James for their help in day-to-day operation of the paper review and publication process, and Hilda Carman, Erin Espriu, Joyce Arnold, and Alicia Stickley for their help in many administrative and production matters related to *TPDS*. I often rely on their expertise to resolve difficult issues related to the paper review process. Last, but not the least, I would like to thank all of our authors, reviewers, and associate editors for their support and hard work for *TPDS* during the past four years. About 5,000 reviews were made in 2012, to select papers for *TPDS*, and efforts by reviewers receive little visibility due to the anonymous nature of reports. The IEEE CS started, at the end of 2012, the Reviewer Appreciation Program, to recognize distinguished reviewers for each transaction (see the April 2013 editorial of *TPDS*). The key enabler for this program is the reviewer statistics, which is made available by S1M, following my few requests in 2010 and 2011. I used it in making decisions on new *TPDS* editors (as one of factors). The information finally became available (for all CS transactions) in a reasonable size (excel) and sortable file during 2012.

The scope of *TPDS* has been recently updated to reflect the latest and exiting developments in the area, such as many-core systems, network on chips, cloud computing, social networks, wireless networks, and cyber-physical systems. I hope you will continue to submit your best papers to *TPDS* and continue our effort to keep *TPDS* the flagship journal in the field of parallel and distributed systems.

Ivan Stojmenovic
Outgoing Editor-in-Chief

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David A. Bader received the PhD degree in 1996 from The University of Maryland, and his research is supported through highly-competitive research awards, primarily from the US National Science Foundation (NSF), NIH, The Defense Advanced Research Projects Agency (DARPA), and the US Department of Energy (DOE). He is a full professor in the School of Computational Science and Engineering, College of Computing, at the Georgia Institute of Technology, and Executive Director for High Performance Computing. Dr. Bader serves as a board member of the Computing Research Association (CRA), and on the Steering Committees of the IPDPS and HiPC conferences. He is Program Chair for IPDPS 2014, and has served on the Research Advisory Council for Internet2, as the General Chair of IPDPS 2010 and Chair of SIAM PP12. He is an Associate Editor-in-Chief of the *Journal of Parallel and Distributed Computing* (*JPDC*), and serves as an associate editor for several high impact publications including the *IEEE Transactions on Computers* (*TC*), the *ACM Transactions on Parallel Computing* (*TOPC*), the *ACM Journal of Experimental Algorithmics* (*JEA*), *IEEE DSOnline*, *Parallel Computing*, and the *Journal of Computational Science*, and has been an associate editor for the *IEEE Transactions on Parallel and Distributed Systems* (*TPDS*). He was elected as chair of the IEEE Computer Society Technical Committee on Parallel Processing (TCPP) and as chair of the SIAM Activity Group in Supercomputing (SIAG/SC). Dr. Bader's interests are at the intersection of high-performance computing and real-world applications, including computational biology and genomics and massive-scale data analytics. He has cochaired a series of meetings, the IEEE International Workshop on High-Performance Computational Biology (HiCOMB), co-organized the NSF Workshop on Petascale Computing in the Biological Sciences, written several book chapters, and coedited special issues for the *Journal of Parallel and Distributed Computing* (*JPDC*) and *IEEE TPDS* on high-performance computational biology. He is also a leading expert on multicore, manycore, and multithreaded computing for data-intensive applications such as those in massive-scale graph analytics. He has coauthored more than 130 articles in peer-reviewed journals and conferences, and his main areas of research are in parallel algorithms, combinatorial optimization, massive-scale social networks, and computational biology and genomics. He is a fellow of the IEEE and AAAS, an NSF CAREER Award recipient, and has received numerous industrial awards from IBM, NVIDIA, Intel, Cray, Oracle/Sun Microsystems, and Microsoft Research. Dr. Bader has served as a lead scientist in several DARPA programs including High Productivity Computing Systems (HPCS) with IBM PERCS, Ubiquitous High Performance Computing (UHPC) with NVIDIA ECHELON, and Anomaly Detection at Multiple Scales (ADAMS). He was a distinguished speaker in the IEEE Computer Society Distinguished Visitors Program, and has also served as Director of the Sony-Toshiba-IBM Center of Competence for the Cell Broadband Engine Processor. He is a cofounder of the Graph500 List for benchmarking "Big Data" computing platforms. He is recognized as a "RockStar" of High Performance Computing by InsideHPC and as HPCwire's People to Watch in 2012.