Editor's Note

David A. Bader

IT is my great pleasure to announce that Professor Manish Parashar is appointed as the next Editor-in-Chief of the *IEEE Transactions on Parallel and Distributed Systems* (*TPDS*), with a term starting on 1 January 2018. Manish brings rich experience and leadership to TPDS, and provides significant continuity with his experience serving alongside me in his previous role as Associate Editor-in-Chief for *TPDS*. Manish has distinguished records of service and research leadership, and I'm pleased that he will provide excellent leadership and management of *TPDS* for our broad research community. Please join me in congratulating Manish on his new appointment. His brief biography appears below.

When I began my service as EIC of *TPDS* in 2014, I articulated my goals to increase the visibility and relevance of *TPDS*. IEEE is a hallmark of quality for technical publication. The value *TPDS* brings to the international community is in its collection of the highest quality research that is relevant to academia, industry, and laboratories. The topics covered by the leading research in the community change over time as technology rapidly changes in the parallel and distributed systems area, and the *TPDS* scope should be updated to reflect these areas of interest and "hot topics" in the subfields of parallel and distributed systems. In 2014, I worked with the community and the Computer Society to update and revise the Transaction's scope to highlight several new areas in exascale computing and big data. This revised scope brought these Transactions into better alignment with the IEEE Computer Society's flagship conferences in these areas. During our successful five year periodical review in 2017, the IEEE TAB Periodicals and Review Committee (PRAC) praised our achievements. We also increased the size of our editorial board to improve the quality and reduce the time from submission to decision. These editorial board members served as distinguished ambassadors and actively solicited the "cream of the crop" papers for *TPDS*.

In the past four years under my term as EIC, TPDS received 3,374 submissions, or approximately 850 per year. We reduced the time to first decision from 75 days (as of January 2014) to 50 days on average now. Our acceptance rate for the past four years is 28.0 percent based upon our peer-review process and reflects a rigorous process for evaluating the top-tier research contributions in this area. *TPDS* is among the first IEEE Transactions to adopt the OnlinePlus publication model, and the abstract booklet and disk is distributed on a quarterly basis to subscribers.

I am grateful for this opportunity to serve our community in this leadership position, and give thanks to all of the authors who have submitted their manuscripts to *TPDS*, and to all of the peer reviewers for thorough evaluations of these works. Thank you as well to the editorial board for managing these submissions and reviews, and again to Manish Parashar for his service as Associate-EIC. When my service began in January 2014, I was surprised to learn that TPDS would be one of the first Computer Society periodicals to be migrated to and managed by the IEEE, and I reluctantly agreed for *TPDS* to be one of the first to make this transition. I'm pleased to report that the transition was phenomenal and I wholeheartedly thank Ms. Christine Kurzawa Shaughnessy of the IEEE Publishing Operations for her exceptional service on a day-to-day operation of the paper review and publication process!! She is an absolute delight with whom to work, and she made my job quite easy. In addition, Ms. Jennifer Carruth of the IEEE Computer Society provided additional support. Thank you! In addition, I'm grateful to the others at the IEEE Computer Society, including Erin Espriu and Hilda Carman, for their help in many administrative and production matters related to *TPDS*.

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.

David A. Bader
Outgoing Editor-in-Chief

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Manish Parashar received the BE degree in electronics and telecommunications from Bombay University, India, and the MS and PhD degrees in computer engineering from Syracuse University. He is a distinguished professor of computer science at Rutgers, The State University of New Jersey University. He is the founding director of the Rutgers Discovery Informatics Institute (RDI^2) and The Applied Software Systems Laboratory (TASSL), full member (Clinical Investigations and Precision Therapeutics Program) at the Rutgers Cancer Institute of New Jersey, and an associate director of the Rutgers Center for Information Assurance (RUCIA). He currently a visiting professor in the Faculty of Business, Computing & Law, University of Derby, United Kingdom. He is the founding chair of the IEEE Technical Consortium on High-Performance Computing. He is the lead principal investigator for Cyberinfrastructure for the NSF Ocean Observatories Initiative. At Rutgers, he co-led the strategic planning efforts in Research Computing and served as the interim associate vice president of Research Computing between 2015-2016 to oversee the establishment of the Rutgers Office of Advanced Research Computing (OARC). He also co-founded and was co-director of the Cloud and Autonomic Computing Center (CAC) NSF IUCRC between 2008 and 2013. Between 2009-2011, he served as program director in the Office of Cyberinfrastructure (OCI) at the National Science Foundation (NSF), where he managed an approximately $150 Million research portfolio in the areas of software sustainability, computational and data-enabled science and engineering and cloud computing. At NSF, he established and led the crosscutting Software Infrastructure for Sustained Innovation (SI^2) program, and worked on the NSF-wide Cyberinfrastructure Framework for 21st Century Science and Engineering (CIF21) initiative. He has held a visiting position at the eScience Institute at Edinburgh, United Kingdom (2009-2010) and a joint research appointment with the Center for Subsurface Modeling, The University of Texas at Austin (1996-2006). He has also been a visiting fellow in the Department of Computer Science and DOE ASCI/ASAP Center, California Institute of Technology (2000-2001), at the DOE ASCI/ASAP FLASH Center, University of Chicago (1998), and at the Max-Plank Institute in Potsdam, Germany (1994-1998). He has received several awards for his research, publications and service. He was elected to the IEEE Computer Society's Golden Core, in 2016. He has received a 2013 R&D 100 Award (with ORNL and GT), Peter D. Cherasia Faculty Scholar Award from the Rutgers School of Engineering (2014-2017), IBM Faculty Awards in 2008 and 2010, the Rutgers Board of Trustees Award for Excellence in Research (The Award) (2004-2005), the NSF CAREER Award (1999) and the Enrico Fermi Scholarship, Argonne National Laboratory (1996). He also received Outstanding Service Awards from the IEEE Computer Society Technical Committee on Parallel Processing (TCPP) in 2009, 2010, 2011, and 2017, and Outstanding Leadership Awards form the IEEE Computer Society Technical Committee on Scalable Computing (TCSC) in 2008, 2009, 2010, 2011, 2012, and 2013. He is currently an associate editor-in-chief of the *IEEE Transactions on Parallel and Distributed Systems (TPDS)* since 2014, chair of the Steering Committee of the *IEEE Cloud Computing Magazine*, and served as co-editor-in-chief of the *ACM Transactions on Autonomous and Adaptive Systems (TAAS)* (2011-2017). He serves on the editorial boards and organizing committees of a large number of journals (including ACM Computing Surveys, the *IEEE Transactions on Cloud Computing*, the *IEEE Transactions on Services Computing*, the *Computing in Science and Engineering*, the *IEEE Internet of Things Journal*) international conferences and workshops (including IPDPS, HPDC, CCGrid, HiPC). He has also served as a panelist for NSF, DoE and other national and international funding agencies, and regularly reviews technical articles for journals and conferences. At Rutgers, he serves in leadership roles on various, University, School and Department level committees and is actively involved in curriculum development, specially in applied parallel and distributed computing and computational and data-intensive computing. His research interests include broad area of parallel and distributed computing with a focus on computational and data-enabled science and engineering. He has co-authored more than 400 technical publications including paper in international journals and conferences, invited papers and presentations and book chapters, He has also co-authored/edited books, conference proceedings and journal special issues and has presented large number of keynotes and distinguished seminars. He has developed and deployed several software systems that are used by the community, including DataSpaces, Fenix and CometCloud. He has supervised 20 PhD and 50 MS thesis and has mentored more than 15 postdoctoral scholars. He is a fellow of AAAS, fellow of the IEEE/IEEE Computer Society, and ACM distinguished scientist. For more information please visit http://parashar.rutgers.edu/