

Editorial

Bashar Nuseibeh

It is my pleasure to introduce a number of distinguished researchers to the Editorial Board of *IEEE Transactions on Software Engineering (TSE)* this month. Their expertise covers a range of areas that have seen consistently large numbers of submissions in recent times, and each new associate editor (AE) brings a track record of significant contributions to their field. Their short biographies are provided below. A number of AEs are completing their terms in the coming months but have kindly agreed to continue dealing with their current editorial assignments till the end of the year. I will thank them formally and reflect on the state of the journal in my final editorial in January 2014, when I will also introduce the next Editor-in-Chief of *TSE*, Professor Matthew Dwyer.

However, I am happy to report in the meantime that the latest journal Impact Factors have recently been published, and *TSE*'s has risen to 2.6. It continues to be the highest of all software engineering and related journals. I have always maintained that such impact factors should not be over analyzed or relied upon too deeply, but they are nonetheless useful health indicators to monitor for trends and anomalies over the years. *TSE* has undergone some significant changes during my tenure as Editor in Chief—moving online, doubling its page budget, returning to monthly publication, and somewhat widening its scope—so it is reassuring to see that the decline in impact factor (experienced by most SE and other computing journals actually) has now halted and I hope is rising again.

Bashar Nuseibeh
Editor-in-Chief



Joanne Atlee is a professor in the David R. Cheriton School of Computer Science at the University of Waterloo. Her research interests include software modeling, automated analysis of software models, modular software development, feature interactions, and software-engineering education. She was program cochair for the 31st International Conference on Software Engineering (ICSE '09) and was program chair for the 13th IEEE Requirements Engineering Conference (RE '05). She served on the ACM SIGSOFT Executive Committee as an at-large member and is a member of the International Federation for Information Processing (IFIP) Working Group 2.9 on Software Requirements Engineering. She is a coauthor with Shari Lawrence Pfleeger of the textbook *Software Engineering: Theory and Practice*.



Margaret Burnett is a professor of computer science in the School of Electrical Engineering and Computer Science at Oregon State University. Her current research focuses on end-user programming, end-user software engineering, information foraging theory as applied to software development, and gender issues in those contexts. She has a long history of research in these issues and others relating to human issues of programming. She is also the principal architect of the Forms/3 and the FAR visual programming languages and, together with Gregg Rothmel, of the WYSIWYT testing methodology for end-user programmers. She was the founding project director of the EUSES Consortium, a multi-institution collaboration among multiple universities and companies to help End Users Shape Effective Software. She recently won the Most Influential Paper Award from the

IEEE Symposium on Visual Languages and Human-Centric Computing for her work on Forms/3. She was a recipient of IBM International Faculty Award (2007, 2008), and has been honored with Oregon State University awards in teaching (2000), mentoring (2010), and research (2005, 2009). She is also a past recipient of the US National Science Foundation's Young Investigator Award (1994). She is currently on the Editorial Board of the *ACM Transactions on Interactive Intelligent Systems*, is on the Advisory Boards for several other journals and research consortia, is on the ICSE '14 Program Board, and has served on a variety of other ACM and IEEE conference program committees, chairing a few of them. She also cochairs the Academic Alliance of the National Center for Women In Technology (NCWIT).



Alexander Egyed received the doctorate degree from the University of Southern California (USC), and worked for Teknowledge Corporation (2000-2007) and University College London (2007-2008). He is a full professor at the Johannes Kepler University (JKU), Austria. He is most recognized for his work on software and systems modeling—particularly on consistency and traceability of models. His work has been published in more than 100 refereed scientific books, journals, conferences, and workshops, with over 3,000 citations to date. He was recognized as the 10th best scholar in software engineering in *Communications of the ACM*, was named an IBM Research Faculty Fellow in recognition to his contributions to consistency checking, received a Recognition of Service Award from the ACM, a Best Paper Award from COMPSAC, and an Outstanding Achievement Award from USC. He has given many invited talks, including four keynotes, served on scientific panels and countless program committees, and has served as program (co)chair, steering committee member, and editorial board member. He is a member of the IEEE, IEEE Computer Society, ACM, and ACM SigSoft.



Ahmed E. Hassan is the NSERC/BlackBerry Software Engineering Chair in the School of Computing at Queen's University, Canada. He spearheaded the organization and creation of the Mining Software Repositories (MSR) Conference and its research community. He coedited special issues of the *IEEE Transaction on Software Engineering* and the *Journal of Empirical Software Engineering* on the MSR topic. Early tools and techniques developed by his team are already integrated into products used by millions of users worldwide. His industrial experience includes helping architect the Blackberry wireless platform, and working for IBM Research at the Almaden Research Lab and the Computer Research Lab at Nortel Networks. He is the named inventor of patents in several jurisdictions around the world, including the United States, Europe, India, Canada, and Japan.



Zhenjiang Hu received the BS and MS degrees from Shanghai Jiao Tong University in 1988 and 1991 respectively, and PhD degree from the University of Tokyo in 1996. He is a professor at the National Institute of Informatics (NII) in Japan. He was a lecturer (1997-1999) and an associate professor (2000-2007) at the University of Tokyo before joining NII as a full professor in 2008. His main interest is in programming languages and software engineering in general, and functional programming, parallel programming, and bidirectional model-driven software development in particular. He is now serving as an IFIP WG 2.1 member, the academic committee chair of the NII Shonan Meetings, and a steering committee member for many international conferences such as ACM ICFP, APLAS, ICMT, and BX. He also belongs to the editorial boards of *Science of Computer Programming*, *Software and Systems Modeling*, and other academic journals.



Robyn Lutz received the PhD degree from the University of Kansas in 1980. She is a professor of computer science at Iowa State University. She was also a member of the technical staff of the Jet Propulsion Laboratory, California Institute of Technology (Caltech) from 1983 to 2012, most recently in the Software System Engineering group. She has held visiting positions at Caltech, the Open University, the University of Wisconsin, Siemens Research, and Cornell University. Her research interests include the software engineering of safety-critical systems, product lines, fault monitoring and recovery, and the specification and verification of requirements for robust autonomous systems, including DNA nanosystems. Her research has been supported by NASA and by the U.S National Science Foundation. She is the program chair for the 2014 IEEE International Requirements Engineering Conference and was the general chair in 2006.



John Mylopoulos received the PhD degree from Princeton University in 1970 and joined the Department of Computer Science at the University of Toronto that year. He holds a distinguished professor position (*chiara fama*) at the University of Trento, and a professor emeritus position at the University of Toronto. His research interests include conceptual modelling, requirements engineering, data semantics, and knowledge management. He is a fellow of the Association for the Advancement of Artificial Intelligence (AAAI) and the Royal Society of Canada (Academy of Sciences). He has served as program/general chair of international conferences in Artificial Intelligence, Databases and Software Engineering, including IJCAI (1991), Requirements Engineering (1997), and VLDB (2004). He was recently awarded an advanced grant from the European Research Council for a project titled "Lucretius: Foundations for Software Evolution."



Andreas Zeller is a full professor of software engineering at Saarland University in Saarbrücken, Germany. His research concerns the analysis of large software systems and their development process. In 2010, he was inducted as fellow of the ACM for his contributions to automated debugging and mining software archives. In 2011, he received an ERC Advanced Grant, Europe's highest and most prestigious individual research grant, for work on specification mining and test case generation.