WILEY

Post golden jubilee year of the software journal: New research trends and strengthening advisory editorial team

Continuing our journey after the golden jubilee year of *Journal of Software: Practice and Experience* (SPE), this January 2022 issue focuses on new trends in computer science and software engineering. There are several emerging trends in the computer science, and software development landscape is growing by venturing into and adapting new technologies. Blockchains are being used in different domains for ensuring data security and retaining data provenance. Machine learning is extensively being used in different domains for solving relevant problems; software innovation is no exception. Continuous integration is driving the software development process in the industry. The Internet of Things (IoT) and real-time applications are becoming ubiquitous and are going green. Quantum computing is catching significant attention and first simulators and experimental testbeds are being provided, for the community to venture into the domain.

It is time that SPE also looks into the ongoing developments and brings forth the practice and experience of the research community. Going by the motto, this issue starts with a research paper that dealt with blockchains for protecting data confidentiality and traceability. The issue has several research papers related to software engineering such as acquiring cross-domain requirements, just-in-time defect prediction, and benchmarking garbage collection delays. The issue also has papers relevant to cloud computing and wireless sensor networks, with specific focus at energy efficiency. Several of these research works have applied machine learning for achieving relevant research goals. The issue also has a paper that summarizes the state-of-the-art in software effort estimation using machine learning techniques. The issue concludes with a systematic review of quantum computing along with discussion on future research directions.

Going forward and with focus at emerging trends and changing focus of the software engineering community, we recruited several new members for the Advisory Editorial Board (AEB) who are noted below. We warmly welcome them all.

- Filip De Turck, Ghent University, Belgium
- Rajiv Ranjan, Newcastle University, UK
- Yogesh Simmhan, Indian Institute of Science, Bangalore, India
- Soumya K. Ghosh, Indian Institute of Technology, Kharagpur, India
- Silvia Abrahão, Universitat Politècnica de València, Spain
- K. Chandrasekaran, National Institute of Technology Karnataka, India
- Hai Jin, Huazhong University of Science and Technology, China
- Chandra Krintz, University of California, Santa Barbara, USA
- John Grundy, Monash University, Australia
- Amy Apon, Clemson University, USA
- Guillaume Pierre, Rennes 1 University, France
- Keqin Li, State University of New York, USA
- Ivona Brandic, Vienna University of Technology, Austria
- Shangguang Wang, Beijing University of Posts and Telecommunications, China
- Lizhe Wang, China University of Geosciences, China
- Schahram Dustdar, Technischen Universität Wien, Vienna, Austria
- Vlado Stankovski, University of Ljubljana, Slovenia
- Shiyan Hu, University of Southampton, UK
- Lauritz Thamsen, Technische Universität Berlin, Germany

- Yu Xiao, Aalto University, Finland
- Sunita Chandrasekaran, University of Delaware, USA
- Mahadev Satyanarayanan, Carnegie Mellon University, USA
- César De Rose, Pontifical Catholic University of Rio Grande do Sul, Brazil
- William M. Waite, University of Colorado, USA

The new EAB members include both established and emerging researchers who have a good track record and are associated with SPE in several ways including publishing their own high-quality research papers and/or organizing special issues on emerging topics. They are drawn from all over the world recognizing growing submissions for SPE from all regions.

We request EAB, authors, reviewers, and readers for their continued support in sustaining SPE as the premier forum for publishing new software research and innovation along with practice and experience focus. Your feedback and comments on further improving SPE are highly appreciated.

Satish Narayana Srirama[1]
Rajkumar Buyya[2]

[1]*School of Computer and Information Sciences, University of Hyderabad, Gachibowli, India*
[2]*Cloud Computing and Distributed Systems (CLOUDS) Lab, School of Computing and Information Systems, The University of Melbourne, Parkville, Victoria, Australia*

Correspondence
Satish Narayana Srirama, School of Computer and Information Sciences, University of Hyderabad, Gachibowli, India.
Email: satish.srirama@uohyd.ac.in

ORCID
Satish Narayana Srirama https://orcid.org/0000-0002-7600-7124
Rajkumar Buyya https://orcid.org/0000-0001-9754-6496