ICPE 2018 Program Chairs' Welcome

It is our great pleasure to welcome you to the 9th ACM/SPEC International Conference on Performance Engineering (ICPE 2018), being held in Berlin, Germany from April 9 to 13, 2018. The goal of the ACM/SPEC International Conference on Performance Engineering (ICPE) is to integrate theory and practice in the field of performance engineering by providing a forum for sharing ideas and experiences between industry and academia.

The call for contributions solicited submissions for several tracks, namely for research papers, industry/experience papers, work-in-progress/vision papers, artifacts (for accepted full papers), posters and demonstrations, tutorials, and workshops.

In the research track, 14 out of 59 papers were accepted as full papers. Hence, the full paper acceptance rate is 24 %. Two full papers received an ACM artifact badge after the subsequent review process in the newly introduced artifact evaluation track. Seven submissions were accepted as short research papers. In the industry/experience track, four out of 16 papers were accepted as full papers. Six submissions were accepted as short papers. The awards chairs selected three papers from the research track and two papers from the industry/experience track as candidates for the best paper award. The winner for both tracks will be announced during the banquet, after the candidates have presented their work during the conference. In the work-in-progress/vision track, ten out of 23 papers were accepted.

The technical program features the following three invited keynotes:

● Peter Braam: Performance Engineering for the SKA Telescope

● Michael R. Lyu: AI Techniques in Software Engineering Paradigm

● Aad van Moorsel: Benchmarks and Models for Blockchain

In addition, the technical program includes three tutorials, the presentation of the SPEC Distinguished Dissertation Award, a poster and demonstration session, as well as six workshops on Performance Analysis of Big data Systems (PABS), Hot Topics in Cloud Computing Performance (HotCloudPerf), Challenges in Performance Methods for Software Development (WOSP-C), Load Testing and Benchmarking of Software Systems (LTB), Energy-aware Simulation and Modelling (ENERGY-SIM), and Quality-Aware DevOps (QUDOS).

The program covers traditional ICPE topics such as performance modeling, prediction, optimization, monitoring, profiling, load testing, benchmarking, and runtime adaptation for fields such as cloud and high performance computing, big data, energy, and enterprise applications.

We thank all authors who submitted their innovative work to ICPE this year. In addition, we thank all members of the research and industry/experience program committees, the chairs and reviewers of the artifact evaluation track, and the co-chairs and co-organizers of the several tracks and co-located events for volunteering their time for the benefit of the ICPE community and their hard work in setting up an exciting program for ICPE 2018. Finally, we thank all participants of ICPE, as we rely on you to make this event interactive, engaging, and thought-provoking for everyone involved.

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