ICPE 2017 Program Chairs' Welcome

Welcome to the *8th ACM/SPEC International Conference on Performance Engineering (ICPE)*, taking place in L'Aquila, Italy, in April 22-26, 2017. The goal of 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. ICPE grew out of the ACM Workshop on Software Performance (WOSP Est. 1998) and the SPEC International Performance Engineering Workshop (SIPEW Est. 2008). It is a great pleasure to introduce the exciting program for this year's conference in which researchers and practitioners present their latest research, newest innovations, and vision for the future of performance engineering.

We received 83 high quality submissions across the Research, Industry/Experience and Work-In-progress/Vision tracks. The Research Track attracted 65 submissions with 24 papers (22 full, 2 short) accepted for presentation. In the Work-In-Progress/Vision Track 14 out of 25 contributions were selected and the Industry/Experience track attracted 18 submissions of which 5 were accepted for presentation. Each paper received at least three reviews from program committee members. Four best paper award candidates were also selected. The best paper is to be announced during the ICPE 2017 social event, after all four papers are presented at the conference.

We are excited to also present three keynote talks as part of the technical program.

- *Micro-Benchmarking Considered Harmful; When the Whole is Faster or Slower Than the Sum of its Parts,* by Thomas Wuerthinger (Oracle Labs)
- *Performance is Also a Matter of Where You Live,* by Francesco Quaglia (University of Rome La Sapienza)
- *Autonomic storage management at scale*, by Arif Merchant (Google)

In addition, the program includes five tutorials, a poster and demo track, the SPEC Distinguished Dissertation Award, and eight interesting workshops on Autonomous Control for Performance and Reliability Trade-offs in Internet of Services (ACPROSS), on Performance Analysis of Big Data Systems (PABS), on Challenges in Performance Methods for Software Development (WOSP-C), on Energy-aware Simulation (ENERGY-SIM), on Load Testing and Benchmarking of Software Systems (LTB), on Monitoring in Large-Scale Software Systems (MoLS), on Education and Practice of Performance Engineering (WEPPE), and on Quality-aware DevOps (QUDOS).

The program covers traditional ICPE topics such as design for performance and problem diagnosis, online performance management, analytic models, empirical studies, model building, and benchmarking, as well as application of performance engineering theory and techniques to several practical fields, including distributed systems, cloud computing, storage, energy, big data, virtualized systems, and hardware.

We thank all the authors who submitted their innovative work to ICPE this year. In addition, we thank all the program committee members and external reviewers for volunteering their time for the benefit of the ICPE community and their hard work in providing quality reviews. Finally, we thank all ICPE participants as we rely on you to make this event interactive, engaging, and thought-provoking for everyone involved.

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