ICPE 2019 Program Chairs' Welcome

It is our pleasure to welcome you to the 10th ACM/SPEC International Conference on Performance Engineering (ICPE), taking place in Mumbai, India, on April 7-11, 2019. Since its inception, from merging of the ACM Workshop on Software Performance (WOSP Est. 1998) and the SPEC International Performance Engineering Workshop (SIPEW Est. 2008), ICPE has been the leading international forum for presenting and discussing novel ideas, innovations, trends and experiences in the field of performance engineering.

This year's main theme is "performance engineering in the Artificial Intelligence era" and we are pleased to introduce you an exciting program, the result of a hard work by authors, the program committee and conference organizers.

This year we received 115 high quality submissions across the Research, Industry/Experience and Work-In-Progress/Vision paper tracks. Each submission received at least three reviews from program committee members. Through a rigorous review process, including a discussion period, we selected the most meritorious papers to create a diverse and interesting conference program.

- In the research track, 13 out of 71 submissions were accepted as full papers, yielding a full paper acceptance rate of 18%. Seven submissions were accepted as short research papers. Five full papers received an ACM artifact badge after the subsequent review process in the artifact evaluation track: four papers received the "functional" badge and one paper receive the "reusable" badge.
- In the industry/experience track, 5 full papers and 8 short papers have been accepted out of 21 submissions.
- In the work-in-progress/vision track, 10 out of 23 papers were accepted.

We selected four paper candidates for the best paper awards, two from the Research track and two from the Industry/Experience track. The winners will be decided after all four papers are presented at the conference. The conference attendees will provide their input in the selection process. The awards will be announced during the ICPE 2019 social event.

In addition to the paper sessions, we are excited to welcome three keynotes:

- Software Aging and Software Rejuvenation, by **Kishor Trivedi** (Duke University, Durham, NC, USA)
- Practical Reliability Analysis of GPGPUs in the Wild: from Systems to Applications, by **Evgenia Smirni** (College of William and Mary, Williamsburg, VA, USA)
- Scaling for High Performance, by **N. Muralidaran** (NSEIL)

The technical program also includes a poster and demo track, the 2nd Workshop on Education and Practice of Performance Engineering (WEPPE) and two tutorials:

- Model-based performance self-adaptation (MPS), by **Emilio Incerto** and **Mirco Tribastone** (IMT School for Advanced Studies Lucca, Italy)
- Performance Benchmarking of Infrastructure-as-a-Service (IaaS) Clouds with CloudWorkBench (PB-IaaS), by **Joel Scheuner** and **Philipp Leitner** (Chalmers University of Gothenburg, Gothenburg, Sweden)

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.

Marin Litoiu
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