ICPE 2023 Companion Welcome Message

It is our great pleasure to welcome you to the *14th annual ACM/SPEC International Conference on Performance Engineering (ICPE 2023)* and to the cultural city of Coimbra - located in the center of Portugal, known as *A cidade dos estudantes* (the city of the students), and hosting the oldest University in Portugal and of Portuguese language, the University of Coimbra.

The International Conference on Performance Engineering (ICPE) is the leading international forum for presenting and discussing novel ideas, innovations, trends and experiences in the field of performance engineering.

This companion volume collects papers from the following ICPE 2023 tracks.

The *Emerging Research* track has the goal to present and discuss work-in-progress and new-ideas contributions, where some aspects of the work remain open. Nine papers were accepted in this track.

The *Artifacts* track hosts artifacts accompanying four accepted research track papers and one independently submitted data artifact paper, with the latter presented in this volume. The Artifact Chairs oversaw a dedicated verification process with a team of reviewers willing to try out code, review datasets, and provide iterative feedback.

The *Data Challenge* track, at its second successful edition at ICPE, asked to address the challenges presented by analyzing a performance dataset of microbenchmark measurements collected from 30 popular Java open source projects, provided by the track organizers. Seven papers were accepted in this track.

The *Posters and Demonstrations* track hosts three poster papers outlining work relevant to the performance engineering community and one technical demonstration paper.

The *Tutorial* track presents three high-quality tutorials, two of them with an accompanying paper in this volume.

In addition to the main conference and its tracks, we were also very happy to host eight interesting colocated workshops on Artificial Intelligence for Performance Modeling, Prediction, and Control (AIPerf), on cloud/edge/fog computing continuum and performance analysis (FastContinuum), on Serverless, Extreme-Scale, and Sustainable Graph Processing Systems (GraphSys), on Hot Topics in Cloud Computing Performance (HotCloudPerf), on Load Testing and Benchmarking of Software Systems (LTB), on practical coding/software engineering aspects of FAIR Data Principles (PFAIR), on Education and Practice of Performance Engineering (WEPPE), and on Challenges in Performance Methods for Software Development (WOSP-C).

These various tracks and workshops provide a valuable forum for discussing ideas in a broad range of topics related to performance engineering. They also provide a platform for researchers, students, and practitioners to discuss their ideas informally and establish collaborations.

After 3 years of remote conferences, ICPE 2023 will once again be held in person to stimulate the connection and socialization among young and senior researchers and practitioners. The organizing committee strongly believes that an "in-presence" conference is more effective in providing new insights and concrete opportunities to create strong relationship among ICPE community members.

As always, ICPE 2023 is the result of hard work made by the authors, the program committees of the different tracks and the external reviewers, and the conference organizers. We thank them for their

invaluable contribution. We also acknowledge the individual workshop organizers and program committees for their contributions. Our sincere thanks go to SPEC and ACM, through SIGSOFT and SIGMETRICS, for their continuous support. We are also thankful to ACM SIGSOFT CAPS for providing travel grants to students and professionals, enabling increased participation.

On behalf of the whole organizing committee, we welcome you to Coimbra and hope you will enjoy the conference, the city and Portuguese culture.

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