

ICPE 2024 Chairs' Welcome

Years of planning have gone into preparing for ICPE 2024 in London, UK. For the first time in UK, the organization of ICPE has generated a great deal of excitement and expectation of productive interactions between the usual participants of ICPE conferences, the members of the various SPEC working groups, and a desire to increase the involvement of the local scientific community with ICPE.

It is our pleasure to welcome you to the 15th ACM/SPEC International Conference on Performance Engineering (ICPE), hosted at South Kensington, London, UK, from May 7-11, 2024. ICPE is the leading international forum for presenting and discussing novel ideas, innovations, trends and experiences in the field of performance engineering.

ICPE formed from merging the ACM Workshop on Software Performance (WOSP, since 1998) and the SPEC International Performance Engineering Workshop (SIPEW, since 2008). Despite the peculiar time we are all living in around the world, we are pleased to introduce an exciting program, which is the result of hard work by the authors, the program committee, and the conference organizers.

We received high quality submissions across the Research, Industry, Emerging Research, Artifact, Data Challenge, Poster and Demo. Each submission received at least two to 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. For the first time in ICPE, we accept Journal-first submissions that encourage published journal papers to be presented in ICPE in order to further enrich our program.

In the research track, 18 out of 52 submissions were accepted as full papers, yielding a full paper acceptance ratio of 34.6%. 12 full papers received an ACM artifact badge after the subsequent review process in the artifact evaluation track.

In the industry track, 8 full papers have been accepted out of 13 submissions. One paper received an ACM artifact badge in the artifact evaluation track.

In the emerging research track, we also accepted 7 out of 13 papers (53.8%), where 2 papers were acted as vision papers and 5 papers were accepted as work-in-progress papers.

We also selected candidates for the best paper awards, with the awards to be announced during the conference events.

In addition to the paper sessions, we are glad to welcome the keynote speakers. Manzoor Mohammed, from Capacitas, who plans to share his experience in software performance engineering in the cloud; Jane Hillston, from the University of Edinburgh, who plan to share her experience on performance in the era of large language models; and Giuliano Casale, from Imperial College London who plans to share his research on optimizing performance on Edge AI.

The technical program also includes a poster and demo track, 7 workshops and 3 tutorials.

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.

Simonetta Balasamo
ICPE'24 General Co-Chair
Ca'Foscari University of Venice, Italy

William Knottenbelt
ICPE'24 Genreal Co-Chair
Imperial College London, UK

Chairs continued.

Cristina L. Abad

ICPE'24 Program Co-Chair
Escuela Superior Politecnica del Litoral, Ecuador

Alexander Podelko

ICPE'24 Industry Chair
Amazon/AWS, USA

Lishan Yang

ICPE'24 Emerging Research Co-Chair
George Mason University, USA

Weiyi Shang

ICPE'24 Program Co-Chair
University of Waterloo, Canada

Vittoria de Nitto Personè

ICPE'24 Emerging Research Co-Chair
Tor Vergata University of Rome, Italy