

ICPE 2018 General Chairs' Welcome

We are delighted to welcome you to the *9th ACM/SPEC International Conference on Performance Engineering – ICPE 2018*, which is being held in Berlin, Germany from 9-13 April 2018. ICPE was born in 2010 out of the merger of the ACM Workshop on Software Performance (WOSP) and the SPEC International Performance Engineering Workshop (SIPEW), and has grown in strength ever since. It is now established as one of the premier forums for the integration of the theory and practice of performance engineering, with a reputation for attracting high-quality contributions and bringing together researchers and practitioners from both academia and industry.

As we celebrate 20 years since the founding of WOSP and 10 years since the founding of SIPEW, this year's conference reflects the nature of performance engineering as a forward-looking discipline that supports the rapid evolution of computer science and its related disciplines. Topics covered include advanced profiling, modelling and optimisation techniques, and energy-aware resource management strategies for complex multicore IT systems. Application domains include traditional areas such as HPC, cloud and other virtualized environments, and emerging areas such as big data analytics, deep learning, IoT, microservices and blockchains. We hope you will enjoy the depth and diversity of the technical program as well as the social events, especially the conference banquet in the atmospheric environs of the Spiegelsaal in the Clärchens Balhaus.

A conference on the scale of ICPE can only be realised through the dedicated efforts of a large team. We would like to begin by thanking the Research Program Committee, led by program co-chairs André van Hoorn and Manoj Nambiar, for putting together an exciting research track. Likewise, thank you to the Industrial Program Committee, led by Heiko Koziol, for selecting a range of high-quality industrial research papers. The conference program is enriched by a number of other activities. New for this year is the Artifact Evaluation track, which has been overseen with great skill by Wilhelm Hasselbring and Petr Tuma. The workshop chairs, Eva Kalyvianaki, and Yao-Min Chen, have done great work in putting together a stimulating mix of six workshops for participants to enjoy. These are accompanied by three high-quality tutorials, courtesy of the fine efforts of Tutorial Co-chairs Alma Dimnaku (Riska), and Andrea Marin, as well as a range of exciting posters and demos, expertly curated by Poster and Demos Chair Marco Paolieri. We were delighted to attract three first-class keynote speakers: Peter Braam, Michael Lyu and Aad van Moorsel.

Many others have made invaluable contributions. Lydia Chen and John Murphy have excelled in their roles as Awards Chairs. Matt Forshaw has kept a watchful eye on the conference budgets in his role as Finance Chair. Proceedings Chair Vladimir Stankovic has masterfully coordinated the conference proceedings. Publicity Chairs Juan Perez and Huaming Wu have been tireless in their promotion of the conference across a broad range of channels, while Website Chair Thomas Düllmann has done a great job in creating and updating the conference website. Registration Chair Zhihao Shang and his team are to thank for the smooth processing of conference participants.

Our sincere thanks go to SPEC and ACM (especially SIGMETRICS and SIGSOFT) for their continuous support throughout. Finally, we are grateful for the generosity of our other sponsors, which include the Deutsche Forschungsgemeinschaft (DFG), the Einstein Foundation and NovaTec.

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