

Program Chairs' Welcome

It is our great pleasure to welcome you to the Second Joint WOSP/SIPEW International Conference (ICPE 2011), now established as a regular event known as ACM/SPEC International Conference on Performance Engineering (ICPE). The primary goal of this conference is to bridge the gap between theory and practice in the field of computer systems performance engineering by providing a forum for sharing ideas and experiences between industry and academia. This year's conference brings together researchers and industry practitioners to share and present their experiences, discuss challenges, and report on both state-of-the-art research and work-in-progress on performance engineering of software and systems, including performance measurement, modeling, benchmark design, and run-time performance management. ICPE gives researchers and practitioners a unique opportunity to share their perspectives with others interested in the various aspects of computer systems performance engineering.

The call for papers attracted 63 research and 24 industrial paper submissions from Europe, Asia, Africa, and North America. The program committees accepted 19 full research papers and 7 short papers together with 13 industrial papers. These papers cover a variety of topics, including performance modeling and techniques and measurement and benchmarking strategies for adaptive systems, power management, virtualized environments, and large-scale and distributed systems. The program is further enriched with 3 tutorials and a demo and poster exhibition.

In addition to the paper presentations, the conference offers three keynote speakers of international prestige:

Prof. Lizy Kurian John, University of Texas at Austin (U.S.A.), presenting “Proprietary Code to Non-Proprietary Benchmarks: Synthesis Techniques for Scalable Benchmarks.”

Prof. Antonio Vallecillo, Universidad de Málaga (Spain), with a talk on “Performance Analysis of Domain Specific Visual Models.”

Dr. Lucy Cherkasova, HP Labs, Palo Alto, California (U.S.A.), presenting “Performance Modeling in MapReduce Environments: Challenges and Opportunities.”

Altogether there are 39 peer-reviewed papers that have been selected from high quality submissions for presentation at this year's conference in Karlsruhe. We are confident that you will find the program stimulating and that it will provide you with many new ideas and insights.

Welcome to Karlsruhe, and many thanks for your participation!

David J. Lilja
*ICPE Program Co-Chair,
Research Track*

Raffaella Mirandola
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