

Program Chairs' Welcome

It is our great pleasure to welcome you to the Third ACM/SPEC International Conference on Performance Engineering (ICPE 2012). The primary goal of the conference is to integrate theory and practice in the field of 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 calls for papers attracted 66 paper submissions across three different tracks namely, research, industry, and work-in-progress/vision. Papers were submitted from Asia, Australia, Europe, North America and South America. Each paper went through a rigorous peer review process involving at least 3 and in most cases 4 program committee members. The program committee accepted 19 full research papers, 2 short research papers, 2 industrial papers, and 10 work-in-progress/vision papers. These papers cover a variety of topics, including performance modeling, performance and software development processes, benchmarking, energy efficiency, and performance evaluation of cloud and adaptive systems. The program is further enriched with 3 tutorials, 2 presentations from SPEC Distinguished Dissertation Award Winners, and 9 poster/demo exhibitions.

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

- William H. Sanders, Professor, University of Illinois at Urbana-Champaign (USA), presenting "Assuring the Trustworthiness of the Smarter Electric Grid"
- Amnon Naamad, Senior Director of Innovation, EMC (USA), presenting "New Challenges in Performance Engineering"

Altogether there are 33 peer-reviewed papers that have been selected from high quality submissions for presentation at this year's conference in Boston. We are confident that you will find the program stimulating and that it will provide you with many new ideas and insights.

Welcome to Boston, and many thanks for your participation!

Lizy John
ICPE 2012 Program co-chair

Diwakar Krishnamurthy
ICPE 2012 Program co-chair