

Topic 2: Performance Prediction and Evaluation

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In recent years, a range of performance evaluation methodologies and tools has been developed for evaluating, designing, and modeling of parallel and distributed systems. The aim of Topic 2, Performance Prediction and Evaluation, is to bring together system designers and researchers involved with qualitative and quantitative evaluation of large scale parallel machines, Grids, and, especially, multicore architectures suffering from contention for critical resources. Of particular interest is work forming a bridge between theory and practice as well as reporting on success or failure of current approaches.

The main topics are:

- Performance evaluation of large scale systems
- Performance optimizations
- System measurement and monitoring
- Advanced simulation tools and techniques
- Hybrid models
- Verification and validation
- Scheduling and routing in distributed systems
- Memory analysis and modeling

This year we received over 34 papers from which we selected 13 for presentation at the conference. We would like to thank all the authors for submitting to topic 2. We would also like to thank all the reviewers who did a tremendous work in providing four reviews for each paper. Since we could accept only a small number of papers, we selected, based on the reviews, the best 13 papers. In addition, one of these papers was also selected for the best paper awards of the conference.

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