



Euro-Par 2006

Dresden, Germany

29th August - 1st September 2006

European Conference on Parallel Computing

Topic 2: Performance Prediction and Evaluation

Description

Parallel computing enables solutions to computational problems that are impossible on sequential systems due to their limited performance. To meet this objective, it is critical that users can both measure performance on a given system and predict the performance for other systems. Authors are invited to submit papers presenting all fields of performance modeling, evaluation, prediction, measurement, benchmarking, and visualization for parallel and distributed applications and architectures. This workshop covers all aspects of techniques, implementations, tools, standardization efforts, and characterization and performance-oriented development of distributed and parallel applications. Of particular interest are tools and systems that work with large-scale applications or large numbers (hundreds to thousands) of processors. In addition, approaches to understand memory system performance and storage system performance are encouraged.

Focus

- instrumentation for measurement and prediction
- scalable performance prediction models and techniques
- measurement and modelling of grid middleware & applications
- performance data analysis and visualization
- evaluation and benchmarking
- system and hardware monitoring
- performance of different programming models
- case studies involving tuning of real applications
- automatic performance analysis
- modeling, analysis, and tuning of emerging architectures

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