Euro-Par 2006

Dresden, Germany

European Conference on Parallel Computing

CALL FOR PAPERS

General

Euro-Par is an annual series of international conferences dedicated to the promotion and advancement of all aspects of parallel computing. The major themes can be divided into the broad categories of hardware, software, algorithms, and applications for parallel computing. The objective of Euro-Par is to provide a forum within which to promote the development of parallel computing as an industrial technique and as an academic discipline, extending the frontier of both the state of the art and the state of the practice.

Venue

Technische Universität Dresden is one of the oldest technical universities in Germany and has a long tradition of designing and building measuring instruments, mechanical calculators, and pioneering computers. Currently, it is installing one of the largest high performance computing facilities for data intensive computing in Germany.

The city of Dresden will celebrate its 800th anniversary in 2006. Furthermore, Dresden has been elected "City of Science" in Germany for the year 2006.

Scientific Program and Workshops

The following topics will be covered by regular Euro-Par 2006 sessions:

1. Support Tools and Environments
2. Performance Prediction and Evaluation
3. Scheduling and Load Balancing
4. Compilers for High Performance
5. Parallel and Distributed Databases, Data Mining and Knowledge Discovery
6. Grid and Cluster Computing: Models, Middleware and Architectures
7. Parallel Computer Architecture and Instruction Level Parallelism
8. Distributed Systems and Algorithms
9. Parallel Programming: Models, Methods, and Languages
10. Parallel Numerical Algorithms
11. Distributed and High-Performance Multimedia
12. Theory and Algorithms for Parallel Computation
13. Routing and Communication in Interconnection Networks
14. Mobile and Ubiquitous Computing
15. Peer-to-Peer and Web Computing
16. Applications of High-Performance and Grid Computing
17. High Performance Bioinformatics
18. Embedded Parallel Systems

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Papers are invited to be submitted for the Euro-Par 2006 conference. Papers must be committed to one of the specific topics listed. Authors may specify a secondary topic, if applicable. Details on topics, including descriptions and chairs, are available on the conference website. Original contributions regarding the theory and practice of parallel and distributed computing not submitted for publication elsewhere will be considered.

Paper submission must be performed electronically via the conference website. Accepted paper formats include PDF and Postscript. Papers accepted for publication must also be supplied in source form - preferrably as LaTeX files. All accepted papers will be included in the conference proceedings, which will be published by Springer-Verlag in the Lecture Notes in Computer Science (LNCS) series.

Additional Conference Workshops
In addition to extending the list of topics for regular sessions, Euro-Par 2006 will be the first conference in this series featuring workshops running in parallel with the conference's main sessions. Proposals for workshops covering a specific theme and lasting between half a day and two days are encouraged and solicited until December 17th, 2005.

Key Dates
17th December 2005 Submission of workshop proposals
30th January 2006 Full Paper submissions due
2nd May 2006 Author notifications

Conference Chairs Prof. Dr. Wolfgang E. Nagel [a]
Prof. Dr. Wolfgang V. Walter [b]
Prof. Dr.-Ing. Wolfgang Lehner [c]

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More Information and Contact
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