



Euro-Par 2004

31 August - 3 September 2004 - Pisa - Italy

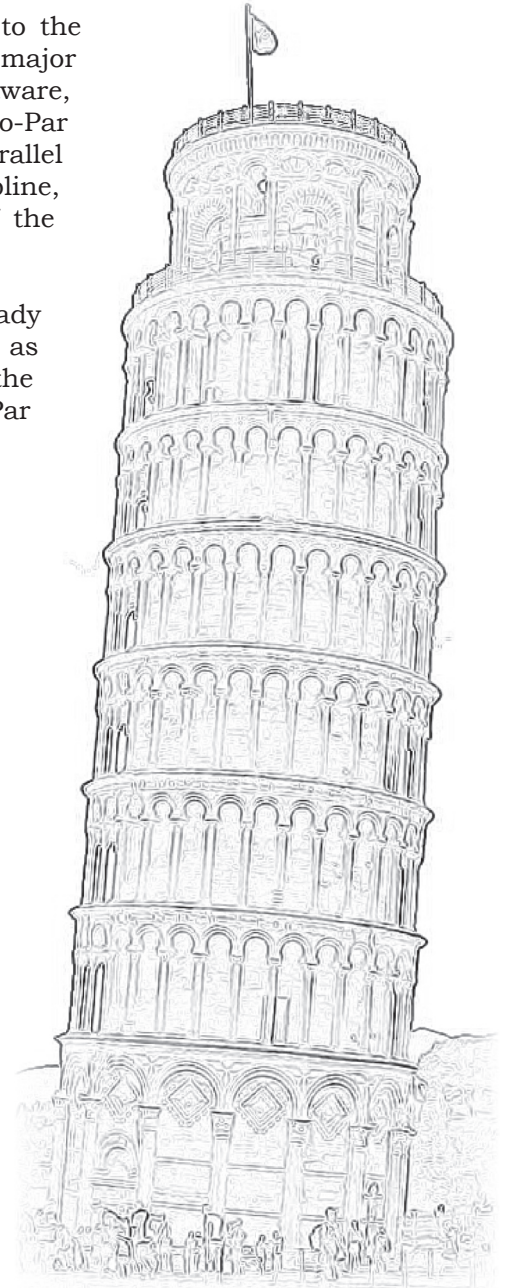
First call for papers

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 both as an industrial technique and an academic discipline, extending the frontier of both the state of the art and the state of the practice.

Euro-Par 2004 covers traditional research fields, that is topics already covered in previous Euro-Par conferences, as well as new ones, such as “High performance bioinformatics”, or topics that appeared recently in the conference, as the “Demo session”. The list of topics covered by Euro-Par 2004 sessions is the following:

1. *Support tools and environments*
2. *Performance 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*
7. *Applications on high performance computers*
8. *Parallel computer architecture and ILP*
9. *Distributed systems and algorithms*
10. *Parallel programming models, methods and languages*
11. *Numerical algorithms*
12. *High performance multimedia*
13. *Theory and algorithms for parallel computation*
14. *Routing and communication in interconnection networks*
15. *Mobile computing*
16. *Integrated problem solving environments*
17. *High performance bioinformatics*
18. *Peer-to-peer and web computing*
19. *Demo session*

Original papers are requested on these topics. All accepted papers will be available in the conference proceedings, which are traditionally published by Springer-Verlag in the LNCS series.



Key dates:

30th January, 2004: Final submission deadline

30th April, 2004: Notification of acceptance

Conference Co-Chairs:

M. Danelutto, D. Laforenza, M. Vanneschi

Further info at:

<http://www.di.unipi.it/europar04>