

# Preface

Euro-Par – the European Conference on Parallel Computing – is an international conference series 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. This is particularly important at a time when parallel computing is undergoing strong and sustained development and experiencing real industrial take up. The main audience for and participants of Euro-Par are seen as researchers in academic departments, government laboratories, and industrial organisations. Euro-Par’s objective is to become the primary choice of such professionals for the presentation of new results in their specific areas. Euro-Par is also interested in applications that demonstrate the effectiveness of the main Euro-Par themes.

Euro-Par now has its own Internet domain with a permanent Web site where the history of the conference series is described: <http://www.euro-par.org>. The Euro-Par conference series is sponsored by the Association of Computer Machinery and the International Federation of Information Processing.

## Euro-Par 2000

Euro-Par 2000 was organised at the Technische Universität München within walking distance of the newly installed Bavarian Center for Supercomputing HLRB with its Hitachi SR-8000 Teraflop computer at LRZ (Leibniz Rechenzentrum of the Bavarian Academy of Science). The Technische Universität München also hosts the Bavarian Competence Center for High Performance Computing KONWIHR and since 1990 has managed SFB 342 “Tools and Methods for the Use of Parallel Computers” – a large research grant from the German Science Foundation.

The format of Euro-Par 2000 followed that of the preceding five conferences and consists of a number of topics each individually monitored by a committee of four members. There were originally 21 topics for this year’s conference. The call for papers attracted 326 submissions of which 167 were accepted. Of the papers accepted, 5 were judged as distinguished, 94 as regular, and 68 as research notes. There were on average 3.8 reviews per paper. Submissions were received from 42 countries, 31 of which were represented at the conference. The principal contributors by country were the United States of America with 29, Germany with 22, U.K. and Spain with 18 papers each, and France with 11 papers. This year’s conference, Euro-Par 2000, featured new topics such as Cluster Computing, Metacomputing, Parallel I/O and Storage Technology, and Problem Solving Environments.

Euro-Par 2000 was sponsored by the Deutsche Forschungsgemeinschaft, KON-WIHR, the Technische Universität München, ACM, IFIP, the IEEE Task Force on Cluster Computing (TFCC), Force Computers GmbH, Fujitsu-Siemens Computers, Infineon Technologies AG, Dolphin Interconnect Solutions, Hitachi, AEA Technology, the Landeshauptstadt München, Lufthansa, and Deutsche Bahn AG. The conference's Web site is <http://www.in.tum.de/europar2k/>.

## Acknowledgments

Organising an international event like Euro-Par 2000 is a difficult task for the conference chairs and the organising committee. Therefore, we are especially grateful to Ron Perrott, Christian Lengauer, Ian Duff, Michel Daydé, and Daniel Ruiz who gave us the benefit of their experience and helped us generously during the 18 months leading up to the conference. The programme committee consisted of nearly 90 members who contributed to the organisation of an excellent academic programme. The programme committee meeting at Munich in April was well attended and, thanks to the sound preparation by everyone and Christian Lengauer's guidance, resulted in a coherent, well-structured conference.

The smooth running and the local organisation of the conference would not have been possible without the help of numerous people. Firstly, we owe special thanks to Elfriede Kelp and Peter Luksch for their excellent work in the organising committee. Secondly, many colleagues were involved in the more technical work. Günther Rackl managed the task of setting up and maintaining our Web site. Georg Acher adapted and improved the software for the submission and refereeing of papers that was inherited from Lyons via Passau, Southampton, and Toulouse. He also spent numerous hours checking and printing the submitted papers. The final papers were handled with the same care by Rainer Buchty. Max Walter prepared the printed programme, Detlef Fliegl helped us in local arrangements. Finally, INTERPLAN Congress, Meeting & Event Management, Munich supported us in the process of registration, hotel reservation, and payment.

June 2000

Arndt Bode  
Thomas Ludwig  
Wolfgang Karl  
Roland Wismüller



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XVIII Referees

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