

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 frontiers 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 in Euro-Par are researchers in academic departments, government laboratories, and industrial organizations. Euro-Par aims 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 has its own Internet domain with a permanent website 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 2002 at Paderborn, Germany

Euro-Par 2002 was organized by the Paderborn Center for Parallel Computing (PC²) and was held at the Heinz Nixdorf MuseumsForum (HNF). PC² was founded due to a longlasting concentration on parallel computing at the Department of Computer Science of Paderborn University. It acts as a central research and service center at the university, where research on parallelism is interdisciplinary: groups from the departments of Mathematics and Computer Science, Electrical Engineering, Mechanical Engineering, and Economics are working together on various aspects of parallel computing. The interdisciplinarity is especially visible in SFB 376 (Massively Parallel Computing: Algorithms, Design, Methods, Applications), a large research grant from the German Science Foundation.

HNF includes the largest computer museum in the world, but is also an important conference center. *HNF* unites the classic, historical dimension of a museum with the current functions and future-oriented functions and topics of a forum. Euro-Par 2002 was sponsored by the ACM, IFIP and DFG.

Euro-Par 2002 Statistics

The format of Euro-Par 2002 followed that of the previous conferences and consisted of a number of topics each individually monitored by a committee of four members. There were 16 topics for this year's conference, two of which were included for the first time: Discrete Optimization (Topic 15) and Mobile Computing, Mobile Networks (Topic 16). The call for papers attracted 265 submissions of which 122 were accepted; 67 were presented as regular papers and 55 as research notes. It is worth mentioning that two of the accepted papers were considered to be distinguished papers by the program committee. In total, 990 reports were collected, an average of 3.73 per paper.

Submissions were received from 34 countries (based on the corresponding author's countries), 25 of which were represented at the conference. The principal contributors by country were the USA (19 accepted papers), Spain (16 accepted papers), and then France, Germany, and the UK with 14 accepted papers each.

Acknowledgements

The organization of a large major conference like Euro-Par 2002 is a difficult and time-consuming task for the conference chair and the organizing committee. We are especially grateful to Christian Lengauer, the chair of the Euro-Par steering committee, who gave us the benefit of his experience during the 18 months leading up to the conference. The program committee consisted of 16 topic committees, altogether more than 60 members. They all did a great job and, with the help of more than 400 referees, compiled an excellent academic program.

We owe special thanks to many people in Paderborn: Michael Laska managed the financial aspects of the conference with care. Bernard Bauer, the head of the local organizing team, spent considerable effort to make the conference a success. Jan Hungershöfer was responsible for the webpages of Euro-Par 2002 and the database containing the submissions and accepted papers. He patiently answered thousands of questions and replied to hundreds of emails. Andreas Krawinkel and Holger Nitsche provided us with their technical knowhow. Marion Rohloff and Birgit Farr did a lot of the secretarial work, and Stefan Schamberger carefully checked the final papers for the proceedings. Cornelius Grimm, Oliver Marquardt, Julia Pelster, Achim Streit, Jens-Michael Wierum, and Dorit Wortmann from the Paderborn Center for Parallel Computing spent numerous hours in organizing a professional event.

Last but not least we would like to thank the Heinz-Nixdorf MuseumsForum (HNF) for providing us with a professional environment and hosting most of the Euro-Par 2002 sessions.