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Preface

Euro-Par is the annual European Conference on Parallel Processing. It merges the former CONPAR-VAPP and PARLE conferences, already two major events in the field. The goal of Euro-Par is to gather people interested in Parallel Computing and Architectures.

Euro-Par'96 consists of a large panel of workshops on all aspects of parallel processing, from theory to practice and from academy to industry. These workshops are expected to present the latest advances in their respective domains and are chaired by leading researchers in the field.

Euro-Par'96 is a workshop-based conference. The idea of organizing the conference in workshops stemmed from the following observation. While general-purpose conferences provide opportunities to meet a large number of people and to listen to talks on many different topics, attendees (that is, all of us) often feel frustrated as only a few talks are in direct connection with their research interests. On the other hand, highly focused workshops often present the opposite features. Specialists meet among themselves, and it is difficult to open up new horizons. Our objective in proposing an original format for this conference is to preserve the nice properties of focused workshops while pushing on cross-fertilization between communities.

Euro-Par'96 is a fork/join conference. We originally planned 22 independent workshops, whose topics hopefully cover most of the subjects related to parallel computing. Workshops are introduced by several high-level tutorials on general interest subjects (organized on a single day), and invited conferences are scheduled at the beginning and at the end of the conference.

The story of Euro-Par'96

The responsibility for each of the 22 workshops has been assigned to a workshop chairperson, who had to select two additional program committee members and a local chairperson to assist him or her. The Program Committee of Euro-Par'96 is made of all these persons. It so happened that 4 out of the 22 original workshops had to be cancelled as they did not get enough submitted and/or accepted papers. The accepted papers, if any, were moved to workshops on connected topics. Furthermore, small workshops covering related research domains were merged so that each workshop lasts at least one day. The resulting structure is a 15-workshop package organized on four half-days.

Papers were reviewed in a distributed manner, and the refereeing process was handled electronically. Each paper submitted to a workshop was expected to be reviewed by four referees, one referee per PC member. The average number of referee reports collected per submitted paper was 3.27. We are deeply grateful to all the referees, and especially to those who spent time to write additional comments to be forwarded to the authors. Each workshop chairperson was responsible for the selection of the papers submitted to his or her workshop, in collaboration with the other PC members.

The role of the PC meeting was then to control the selection of each workshop, check the overall fairness, and possibly move papers between workshops to improve their focus. Papers authored by program committee members have been processed separately, in order to preserve fairness and confidentiality during the PC meeting. We feel this point is essential. We are grateful to the workshop chairpersons and to the PC members who (mostly!) did a tremendous job. It has been a great pleasure to work with them.

Selection results

We wish to thank all the authors who submitted papers to Euro-Par'96. We received 383 submissions from 40 different countries. All but 11 were submitted electronically (PostScript file). More than 50 submissions came from France, from Germany, and from the USA. About 40 submissions came from the UK, about 20 from Spain, and more than 10 from Italy. Moreover, more than 10 submissions were received from Eastern Europe, and about 10 from Japan, from Taiwan, and from Korea.

We selected 4% of the submissions as *distinguished papers* to appear as 12-page papers in the proceedings, and to be presented in 30 minutes. Another 27% of the submitted papers were selected as *regular papers* to appear as 8-page papers in the proceedings, and to be presented in 30 minutes. Finally, we also selected 25% of the submitted papers as *short papers*. Short papers present on-going research and/or interesting contributions for which further polishing is needed. They appear as 4-page papers in the proceedings and are given 15-minute presentation time. All authors of accepted papers were offered the opportunity to buy 2 extra pages.

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And, last but not least, we would like to thank Valérie Roger, the Euro-Par'96 secretary, whose great experience in organizing large events at ENS Lyon was invaluable. We also wish to thank all the staff of LIP, in particular Sylvie Boyer and Jocelyne Richerd. We have deeply appreciated the help of many "volunteer students". Their contribution was decisive in solving so many practical details. Jean-Christophe Dubacq, who was in charge of the Euro-Par Web server, deserves a special mention.

We hope you will enjoy the conference and/or these proceedings as much as we have enjoyed organizing Euro-Par'96.

July 1996

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