

# Lecture Notes in Computer Science

605

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# PARLE '92

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## Foreword

The previous PARLE Conferences (Parallel Architectures and Languages Europe) held in Eindhoven (1987, 1989, 1991) have set the tradition of a wide and representative international meeting of specialists - from academia and industry - in theory, design, and application of parallel computer systems. PARLE has adopted a new structure and organization to serve better the researchers of the European Community. In particular, PARLE is now an annual conference and will be held each year in a different European country. PARLE is now backed by a stable Steering Committee that will guarantee its quality and will maintain its role as a premier international forum for researchers and developers in Parallel Architectures and Languages. This new structure has been made possible with the enthusiastic collaborations of Emile Aarts, Eddy Odijk, of Philips Labs, and Martin Rem of Eindhoven University, all key persons in the creation and development of PARLE. Special thanks must also go to Frank Stoots and Fred Roberts, for their invaluable help and assistance in making a seamless transfer of hundreds of administrative and organizational items from the Netherlands to France.

PARLE'92 is organized by the Association Francaise des Sciences et Technologies de l'Information et des Systemes (AFCET). It is supported by the Commission of the European Communities through ESPRIT action and by DGA/DRET, ONERA/CERT, PRC ANM and C3 (CNRS and MRT), in cooperation with IEEE Computer Society. It is also sponsored by the CEPIS (Council of European Professional Informatics Societies), EATCS/AFIT (European/French Association of Theoretical Computer Science) and by BULL S.A. (Paris, F), CWI (Amsterdam, NL), GMD (St Augustin, D), IMAG (Grenoble, F), INRIA (Rennes, F), IRT (Toulouse, F), LRI (Paris Sud, F).

The Call for Papers issued in August 1991 resulted in 187 submitted papers. We would like to thank all the authors for their contributions, and encourage those who were not finally selected to submit again next year. All submissions were quickly scanned by the Program Chairpersons in order to be dispatched to the most appropriate Program Committee members. Their technical variety and quality explains the large number of renowned experts chosen to be part of the Program Committee. Each paper was sent to at least three PC members, who were in some cases additionally assisted by other competent referees. We express our gratitude to all referees who did a superb job in sending their review forms on time with detailed and professional assessments of submissions that considerably helped the selection process.

The Selection Meeting took place in Paris on January 27 and 28, 1992. As usual it was easy to extract the excellent papers deserving no comments on their quality. It was considerably more difficult to select a few more papers for regular and poster sessions. Numerous additional reviews and iterations were needed to finally lead to 52 regular and 25 poster papers accepted for presentation and publication. No doubt that some good papers may have been rejected, but in any case the Selection Committee must be thanked for their technical expertise and equity. Then the papers were organized into sessions, and a careful work was performed to make the two parallel streams complementary and collision-free with regard to the technical topics.

In addition, PARLE'92 offers five invited talks which will undoubtedly raise a considerable interest from the audience, and will hopefully generate fruitful discussions.

Colin Skelton, Michel Dubois, Pierre Chavel, Alain Matin, and Anoop Gupta are all thanked for their contribution.

We are confident that the conference will meet the attendees' expectations. The BULL Training Center chosen to host PARLE 92 will additionally provide them with an optimal environment for discussions and technical exchanges during the three and a half days of the conference.

Last but not least, many other people must be acknowledged for their contribution to the conference. Bernard Lecussan and Patrice Quinton, as co-Chairpersons, as well as Thierry van der Pyl, of CEC DG XIII, provided their time and efforts to increase the visibility of the Conference in France and elsewhere, and to get funds from various organizations (PRC ANM, PRC C3, and DGA/DRET). We would like to thank all these organizations for their financial support. Without this support, the conference would never have reached this level of quality and service. Our thanks also go to Gul Agha, and his secretary Bonnie Howard, for their contribution to on time mailing within the USA. We are indebted to the non European members of the Program Committee who attended the selection meeting, and particularly G.R. Gao, Zary Segall and Jim Goodman for their most significant contributions to the selection process.

AFCET has devoted considerable time to set up the logistics and the general administrative and organizational tasks needed for such a large conference. We thank Véronique Ségaut and Corinne Sweeney for their contribution to the site selection, their work to make the selection meeting a nice and well prepared event, and their involvement in meeting the tight deadlines to send the Call for Papers, the Final Programs and Conference Posters. We are most grateful to Marie-France Kalogera, the Chief Executive of AFCET, for her highly professional assistance and her initiative in getting official support from the CEPIS.

We hope you will enjoy the conference, both for its high technical quality and its organization.

Paris, April, 1992

Daniel Etiemble, PARLE'92 Program Chairman  
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