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Languages, Compilers, and Run-Time Systems for Scalable Computers

4th International Workshop, LCR '98
Pittsburgh, PA, USA, May 28-30, 1998
Selected Papers

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Volume Editor

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Preface

It is a great pleasure to present this collection of papers from LCR '98, the Fourth Workshop on Languages, Compilers, and Run-time Systems for Scalable Computers. The LCR workshop is a bi-annual gathering of computer scientists who develop software systems for parallel and distributed computers. LCR is held in alternating years with the ACM Symposium on Principles and Practice of Parallel Programming (PPoPP) and draws from the same community.

This fourth meeting was held in cooperation with ACM SIGPLAN on the campus of Carnegie Mellon University, May 28–30, 1998. There were 60 registered attendees from 9 nations. A total of 47 6-page extended abstracts were submitted. There were a total of 134 reviews for an average of 2.85 reviews per submission. Submissions were rank ordered by average review score. The top 23 submissions were selected as full papers and the next 9 as short papers.

The program committee consisted of David Bakken (BBN), Ian Foster (Argonne), Thomas Gross (CMU and ETH Zurich), Charles Koelbel (Rice), Piyush Mehrotra (ICASE), David O'Hallaron, Chair (CMU), Joel Saltz (Maryland), Jaspal Subhlok (CMU), Boleslaw Szymanski (RPI), Katherine Yelick (Berkeley), and Hans Zima (Vienna).

In addition to the members of the committee, the following people chaired sessions: Lawrence Rauchwerger, Peter Brezany, Terry Pratt, Alan Sussman, Sandhya Dwarkadis and Rajiv Gupta. Also, the following people generously provided additional reviews: Sigfried Benkner, Chen Ding, Guoha Jin, Erwin Laure, Pantona Mario, Eduard Mehofer, and Bernd Wender. We very much appreciate the efforts of these dedicated volunteers.

Barbara Grandillo did a wonderful job of chairing the organizing committee and handling the local arrangements. Thomas Gross and Jaspal Subhlok made numerous suggestions. Peter Dinda, Peter Lieu, Nancy Miller, and Bwolen Yang also helped out during the workshop itself. We are very grateful for their help.

Finally I would like to thank Mary Lou Soffa at the Univ. of Pittsburgh, for her help in getting SIGPLAN support, Bolek Szymanski at RPI, who chaired the previous meeting and was always helpful and encouraging, and Alfred Hofmann at Springer, whose advice and encouragement enabled us to produce this volume.

Carnegie Mellon University
August, 1998

David O'Hallaron
LCR '98 General/Program Chair

Table of Contents