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Sandhya Dwarkadas (Ed.)

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

5th International Workshop, LCR 2000
Rochester, NY, USA, May 25-27, 2000
Selected Papers



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Preface

It is an honor and a pleasure to present this collection of papers from LCR 2000, the fifth workshop on Languages, Compilers, and Run-Time Systems for Scalable Computers, held in Rochester, N.Y., U.S.A., on May 25–27, 2000. The LCR workshop is a bi-annual gathering of computer scientists who develop software systems for parallel and distributed computers, held in the off-year for the ACM Symposium on the Principles and Practice of Parallel Programming (PPoPP).

This fifth meeting was held in cooperation with ACM SIGPLAN on the University of Rochester campus. A total of 38 six-page abstracts were submitted, of which 22 were chosen for presentation and publication. Each paper received a minimum of 3 reviews, with 122 reviews in total. There were 44 registered attendees.

Local arrangements were coordinated by Kristen Wondrack, along with Sara Sadick and Mary Albee, from the University of Rochester conference and events office, and JoMarie Carpenter from the University of Rochester department of computer science. Grigorios Magklis was the webmaster for the workshop. I would like to thank all of them for an excellent job, and in particular, Kristen Wondrack, for helping ensure an enjoyable workshop that also proceeded smoothly. I hope the participants were able to take advantage of some of the attractions in Upstate New York as well.

The program committee provided prompt reviews and participation. In addition, the following people participated in the reviewing process — George Almasi, Angelos Bilas, Calin Cascaval, DeQing Chen, Shun Yan Cheung, Sarah E. Chodrow, Marcelo Cintra, Criel J.H. Jacobs, Jaejin Lee, Yuan Lin, Jason Maassen, Grigorios Magklis, Srinivasan Parthasarathy, Umit Rencuzogullari, Robert A. Shillner, Yefim Shuf, Paul Stodghill, Ronald Veldema, Peng Wu, Jianxin Xiong, and Ivan Zoraja. My thanks to all of them, and in particular, Dave O'Hallaron (the previous LCR chair), Jaspal Subhlok, Michael L. Scott, Alan L. Cox, Thomas Gross, and Willy Zwaenepoel, for their invaluable input and advice.

The workshop was organized into eight contributed paper sessions, the keynote address, and a panel session. John Mellor-Crummey, Lawrence Rauchwerger, Angelos Bilas, Michael L. Scott, Peter Keleher, Gagan Agrawal, David Lowenthal, and myself chaired the sessions. The keynote, titled “Software Shared Memory: Successes, Failures, Future Directions”, was put together by Alan Cox and Willy Zwaenepoel. The panel on “New and Renewed Applications and Challenges for Scalable Computing” was moderated by Jaspal Subhlok, and included Alan Cox, David O'Hallaron, Keshav Pingali, and Michael Scott as panelists.

Finally, many thanks to the authors, presenters, and participants for providing a great start to the new millennium by making the workshop interesting, interactive, and of excellent quality.

August 2000

Sandhya Dwarkadas

Organization

LCR 2000 was organized and sponsored by the Department of Computer Science, University of Rochester, in cooperation with ACM/SIGPLAN.

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