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# Parallel and Distributed Processing

15 IPDPS 2000 Workshops  
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# Foreword

This volume contains the proceedings from the workshops held in conjunction with the IEEE International Parallel and Distributed Processing Symposium, *IPDPS 2000*, on 1-5 May 2000 in Cancun, Mexico.

The workshops provide a forum for bringing together researchers, practitioners, and designers from various backgrounds to discuss the state of the art in parallelism. They focus on different aspects of parallelism, from run time systems to formal methods, from optics to irregular problems, from biology to networks of personal computers, from embedded systems to programming environments; the following workshops are represented in this volume:

- Workshop on Personal Computer Based Networks of Workstations
- Workshop on Advances in Parallel and Distributed Computational Models
- Workshop on Par. and Dist. Comp. in Image, Video, and Multimedia
- Workshop on High-Level Parallel Prog. Models and Supportive Env.
- Workshop on High Performance Data Mining
- Workshop on Solving Irregularly Structured Problems in Parallel
- Workshop on Java for Parallel and Distributed Computing
- Workshop on Biologically Inspired Solutions to Parallel Processing Problems
- Workshop on Parallel and Distributed Real-Time Systems
- Workshop on Embedded HPC Systems and Applications
- Reconfigurable Architectures Workshop
- Workshop on Formal Methods for Parallel Programming
- Workshop on Optics and Computer Science
- Workshop on Run-Time Systems for Parallel Programming
- Workshop on Fault-Tolerant Parallel and Distributed Systems

All papers published in the workshops proceedings were selected by the program committee on the basis of referee reports. Each paper was reviewed by independent referees who judged the papers for originality, quality, and consistency with the themes of the workshops.

We would like to thank the general co-chairs Joseph JaJa and Charles Weems for their support and encouragement, the steering committee chairs, George Westrom and Victor Prasanna, for their guidance and vision, and the finance chair, Bill Pitts, for making this publication possible. Special thanks are due to Sally Jelinek, for her assistance with meeting publicity, to Susamma Barua for making local arrangements, and to Danuta Sosnowska for her tireless efforts in interfacing with the organizers.

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