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# High Performance Computing and Communications

Second International Conference, HPCC 2006  
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## Preface

Welcome to the proceedings of the 2006 International Conference on High-Performance Computing and Communications (HPCC 2006), which was held in Munich, Germany, September 13–15, 2006. This year's conference marks the second edition of the HPCC conference series, and we are honored to serve as the Chairmen of this event with the guidance of the HPCC Steering Chairs, Beniamino Di Martino and Laurence T. Yang.

With the rapid growth in computing and communication technology, the past decade has witnessed a proliferation of powerful parallel and distributed systems and an ever-increasing demand for the practice of high-performance computing and communication (HPCC). HPCC has moved into the mainstream of computing and has become a key technology in future research and development activities in many academic and industrial branches, especially when the solution of large and complex problems must cope with very tight time constraints. The HPCC 2006 conference provides a forum for engineers and scientists in academia, industry, and government to address all resulting profound challenges and to present and discuss their new ideas, research results, applications, and experience on all aspects of HPCC.

There was a very large number of paper submissions (328), not only from Europe, but also from Asia and the Pacific, and North and South America. This number of submissions represents a substantial increase of contributions compared to the first year of HPCC, which clearly underlines the importance of this domain.

All submissions were reviewed by at least three Program Committee members or external reviewers. It was extremely difficult to select the presentations for the conference because there were so many excellent and interesting submissions. In order to allocate as many papers as possible and keep the high quality of the conference, we finally decided to accept 95 regular papers for oral technical presentations. We believe that all of these papers and topics not only provide novel ideas, new results, work in progress, and state-of-the-art techniques in this field, but also stimulate the future research activities in the area of HPCC.

The exciting program for this conference was the result of the hard and excellent work of many others, such as the Program Vice-Chairs, the Program Committee members, and the external reviewers. We would like to express our sincere appreciation to all authors for their valuable contributions and to all Program Committee members and external reviewers for their cooperation in completing the program under a very tight schedule. We are also grateful to the members of the Organizing Committee for supporting us in handling the many organizational tasks and to the keynote speakers for accepting to come to the conference with enthusiasm.

Last but not least, we hope that the attendees enjoyed the conference program, and the attractions of the city of Munich, together with the social activities of the conference.

September 2006

Michael Gerndt  
Dieter Kranzlmüller

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