

High Performance Computing and Communications

Second International Conference, HPCC 2006, Munich, Germany, September 13-15, 2006, Proceedings

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.

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