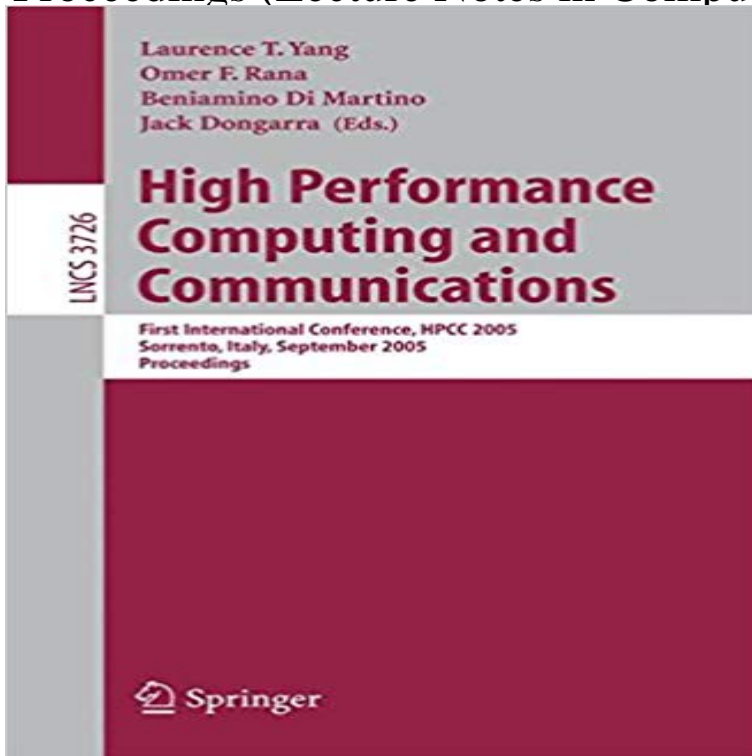


# High Performance Computing and Communications: First International Conference, HPCC 2005, Sorrento, Italy, September, 21-23, 2005, Proceedings (Lecture Notes in Computer Science)



Welcome to the proceedings of the 2005 International Conference on High Performance Computing and Communications (HPCC 2005) which was held in Sorrento (Naples), Italy, September 21-23, 2005.

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 become a key technology in determining 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 timing schedules. The HPCC 2005 conference provided 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 high performance computing and communications. There was a very large number of paper submissions (263), not only from Europe, but also from Asia and the Pacific, and North and South America. All submissions were reviewed by at least three Program or Technical 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 76 regular papers and 44 short papers for oral presentations. We believe that all of these papers and topics not only

provided novel ideas, new results, work in progress and state-of-the-art techniques in this field, but also stimulated the future research activities in the area of high performance computing and communications.

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ISBN-13: 978-3540290315, ISBN-10: 3540290311. **High Performance Computing and Communications: First International** Springer-Verlag, Heidelberg , Lecture Notes in Computer Science, Band 1900, August 2000 (Eds.): High Performance Computing and Communcations: First International Conference, HPCC 2005, Sorrento , Italy , September 21-23, 2005. Proceedings of the IASTED International Conference on Applied Simulation and **A Productive Duplication-Based Scheduling Algorithm for** Welcome to the proceedings of the 2005 International Conference on High Performance first international conference, HPCC 2005, Sorrento, Italy, September 21-23, 2005 . 3 Items in the Series Lecture notes in computer science, 3726. **High Performance Computing and Communications: First International - Google Books Result** First International Conference, HPCC 2005, Sorrento,. Italy, September, 21-23, 2005, Proceedings (Lecture. 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