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   Disciplina   004.35

   Soggetti   Computer communication systems
   Microprocessors
   Computer organization
   Software engineering
   Computers
   Numerical analysis
   Computer Communication Networks
   Processor Architectures
   Computer Systems Organization and Communication Networks
   Software Engineering/Programming and Operating Systems
   Theory of Computation
   Numeric Computing

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   Nota di bibliografia   Includes bibliographical references at the end of each chapters and index.

   Nota di contenuto   Invited Talks -- Topic 1: Support Tools and Environments -- Topic 2: Performance Evaluation -- Topic 3: Scheduling and Load Balancing -- Topic 4: Compilers for High Performance -- Topic 5: Parallel and Distributed Databases, Data Mining and Knowledge Discovery -- Topic 6: Grid and Cluster Computing -- Topic 7: Applications on High Performance Computers -- Topic 8: Parallel Computer Architecture and ILP -- Topic 9: Distributed Systems and Algorithms -- Topic 10: Parallel Programming: Models, Methods and Languages -- Topic 11:

Numerical Algorithms -- Topic 12: High Performance Multimedia -- Topic 13: Theory and Algorithms for Parallel Computation -- Topic 14: Routing and Communication in Interconnection Networks -- Topic 15: Mobile Computing -- Topic 16: Integrated Problem Solving Environments -- Topic 17: High Performance Bioinformatics -- Topic 18: Peer-to-Peer and Web Computing.

| Sommario/riassunto | Euro-Par Conference Series Euro-Par is an annual series of international conferences dedicated to the p- motion and advancement of all aspectsof parallelcomputing. The major themes can be divided into the broad categories of hardware, software, algorithms and applications for parallel computing. The objective of Euro-Par is to provide a forum within which to promote the development of parallel computing both as an industrial technique and an academic discipline, extending the frontier of both the state of the art and the state of the practice. This is particularly - portant at a time when parallel computing is undergoing strong and sustained development and experiencing real industrial take-up. The main audience for, and participants at, Euro-Par are seen as researchers in academic departments, government laboratories and industrial organizations. Euro-Par's objective is to be the primary choice of such professionals for the presentation of new - sults in their speci?c areas. Euro-Par also targets applications demonstrating the e? ectiveness of parallelism. This year's Euro-Par conference was the tenth in the conference series. The previous Euro-Par conferences took place in Sto- holm, Lyon, Passau, Southampton, Toulouse, Munich, Manchester, Paderborn and Klagenfurt. Next year the conference will take place in Lisbon. Euro-Par has a permanent Web site hosting the aims, the organization structure details as well as all the conference history:http://www. europar. org. |