

1. Record Nr.	UNINA9910144168603321
Titolo	Euro-Par 2004 Parallel Processing : 10th International Euro-Par Conference, Pisa, Italy, August 31-September 3, 2004, Proceedings // edited by Marco Danelutto, Marco Vanneschi, Domenico Laforenza
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2004
ISBN	3-540-27866-4
Edizione	[1st ed. 2004.]
Descrizione fisica	1 online resource (LXVIII, 1084 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 3149
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
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
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 promotion and advancement of all aspects of parallel computing. 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 important 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 results in their specific areas. Euro-Par also targets applications demonstrating the effectiveness of parallelism. This year's Euro-Par conference was the tenth in the conference series. The previous Euro-Par conferences took place in Stockholm, 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>.
