1. Record Nr. UNINA9910484526803321

Titolo	High performance computing--HiPC 2005 : 12th international conference, Goa, India, December 18-21, 2005 : proceedings / / David A. Bader ... [et al.] (eds.)
Pubbl/distr/stampa	Berlin ; ; New York, : Springer, c2005
ISBN	3-540-32427-5
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (XXVIII, 552 p.)
Collana	Lecture notes in computer science, , 0302-9743 ; ; 3769
Altri autori (Persone)	BaderDavid A
Disciplina	004.1/1
Soggetti	High performance 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 and index.
Nota di contenuto	Keynote Addresses -- Data Confidentiality in Collaborative Computing -- Productivity in High Performance Computing -- A New Approach to Programming and Prototyping Parallel Systems -- The Changing Challenges of Collaborative Algorithmics -- Quantum Physics and the Nature of Computation -- Plenary Session - Best Papers -- Preemption Adaptivity in Time-Published Queue-Based Spin Locks -- Criticality Driven Energy Aware Speculation for Speculative Multithreaded Processors -- Session I - Algorithms -- Search-Optimized Suffix-Tree Storage for Biological Applications -- Cost-Optimal Job Allocation Schemes for Bandwidth-Constrained Distributed Computing Systems -- A Fault Recovery Scheme for P2P Metacomputers -- A Distributed Location Identification Algorithm for Ad hoc Networks Using Computational Geometric Methods -- A Symmetric Localization Algorithm for MANETs Based on Collapsing Coordinate Systems -- Session II - Applications -- Performance Study of LU Decomposition on the Programmable GPU -- PENCAPS: A Parallel Application for Electrode Encased Grounding Systems Project -- Application of Reduce Order Modeling to Time Parallelization -- Orthogonal Decision Trees for Resource-Constrained Physiological Data Stream Monitoring Using Mobile Devices -- Throughput Computing with Chip MultiThreading and Clusters -- Session III - Architecture -- Supporting MPI-2 One Sided Communication on Multi-rail InfiniBand Clusters: Design Challenges and Performance Benefits -- High Performance RDMA Based