

1. Record Nr.	UNISA996465796703316
Titolo	Advanced Parallel Processing Technologies [[electronic resource]] : 5th International Workshop, APPT 2003, Xiamen, China, September 17-19, 2003, Proceedings / / edited by Xingming Zhou, Stefan Jähnichen, Ming Xu, Jiannong Cao
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2003
ISBN	3-540-39425-7
Edizione	[1st ed. 2003.]
Descrizione fisica	1 online resource (XIV, 678 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2834
Disciplina	004.35
Soggetti	Software engineering Computer hardware Computer organization Algorithms Numerical analysis Computer science—Mathematics Software Engineering/Programming and Operating Systems Computer Hardware Computer Systems Organization and Communication Networks Algorithm Analysis and Problem Complexity Numeric Computing Discrete Mathematics in Computer Science
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	Architecture -- Using Split Queues to Improve the Performance of Parallel Switch -- LEAP: A Data Driven Loop Engine on Array Processor -- A New Architecture of a Fast Floating-Point Multiplier -- A Highly Efficient FC-SAN Based on Load Stream -- A New High-Performance Distributed Shared I/O System -- IA64 Oriented OpenMP Compiler: Design and Implementation of Fortran Front End -- An Alternative Superscalar Architecture with Integer Execution Units Only -- A High Efficiency Distributed Mutual Exclusion Algorithm -- The Security

Architecture of the Java Operating System JX – A Security Architecture
 for Distributed Parallel Computing -- Simultaneous Multithreading
 Trace Processors -- A VLSI Architecture Design of 1-D DWT --
 Overcoming Static Register Pressure for Software Pipelining in the
 Itanium Architecture -- Separating Data Storage, Data Computation,
 and Resource Management One from Another in Operating Systems --
 A High Performance Design and Implementation of the Virtual Interface
 Architecture -- A Portable Debugger for PVM / MPI Programs on IA64
 Cluster -- Optimization of Asynchronous Volume Replication Protocol
 -- Predicate Analysis Based on Path Information -- kd-Clos: New No-
 Blocking Permutation Network -- LilyTask: A Task-Oriented Parallel
 Computation Model -- A Method of Data Assignment on
 Heterogeneous Disk System -- Apply Aggregate I/O to Improve
 Performance of Network Storage Based on IP -- Orthogonal Design
 Method for Optimal Cache Configuration -- A Probabilistically Correct
 Election Protocol in Asynchronous Distributed Systems -- Software and
 Theory -- A Formal Specification and Method for MAS as a Distributed
 System -- Optimal Fixed Priority Assignment with Limited Priority
 Levels -- A Proof Assistant for Mobile Processes -- Data Space Fusion
 Based Approach for Effective Alignment of Computation and Data --
 Optimization Parameter Selection by Means of Limited Execution and
 Genetic Algorithms -- Study on CORBA-Based Load Balance Algorithm
 -- Parallel Algorithm for Mining Maximal Frequent Patterns -- Design
 of Cluster Safe File System -- Graph Scaling: A Technique for
 Automating Program Construction and Deployment in ClusterGOP --
 Pattern Classification with Parallel Processing of the Cellular Neural
 Networks-Based Dynamic Programming -- An Effective Molecular
 Algorithm for Solving the Satisfiability Problem -- Scheduling Outages
 in Distributed Environments -- An Improved Parallel Algorithm for
 Certain Toeplitz Cyclic Tridiagonal Systems on Distributed-Memory
 Multicomputer -- Generic Programming for Scientific Computing in
 C++, Java™, and C# -- A General Metric of Load Balancing in ?-Range
 -- Lattice Boltzmann Simulations of Fluid Flows -- Grid and Network --
 Design and Research of Strong-Mobile Agent Based Grid's Architecture
 -- A Cost-Based Online Scheduling Algorithm for Job Assignment on
 Computational Grids -- Composition and Automation of Grid Services
 -- Algorithmic Skeletons for Metacomputing -- Grid Services
 Performance Tuning in OGSA -- A Transaction Model for Grid
 Computing -- An Overview of Research on QoS Routing -- A Novel
 Model and Architecture on NMS – Dynamically Constructed Network
 Management -- QoS-Driven Multicast Tree Generation Using Genetic
 Algorithm -- A Scalable Peer-to-Peer Network with Constant Degree --
 Symmetric Distributed Server Architecture for Network Management
 System -- A Distributed Network Management Framework Based on
 NGI -- Performance Evaluation of Scheme Integrating Mobile IP and
 NHRP over ATM Networks -- Improving Availability of P2P Storage
 Systems -- Research and Implementation of Dynamic Web Services
 Composition -- Call Admission Control for Multimedia CDMA Networks
 under Imperfect Power Control -- Efficient Data Consistency Schemes
 in 2-Tier Cellular Networks -- iHOPE: An Intelligent Handoff Protocol
 for Seamless Multimedia Service in Wireless Network -- Content and
 Cell Based Predictive Routing (CCPR) Protocol for Mobile Ad Hoc
 Networks -- A Multiple Access Scheme Using Split and Merge Algorithm
 for Contention/Reservation-Based Wireless MAC Protocols -- Applied
 Technologies -- Reconfigurable Cipher Processing Framework and
 Implementation -- A Dynamic Reconfiguration Platform Based on
 Distributed Component Technology CCM -- TMO-Based Object Group
 Framework for Supporting Distributed Object Management and Real-

Time Services -- Extendable and Interchangeable Architecture
Description of Distributed Systems Using UML and XML -- Dynamics in Hierarchical CSCW Systems -- The Tenure Duty Method (TDM) in the Active Incident Recovery Research -- A Combined Continuous-Time/Discrete-Event Computation Model for Heterogeneous Simulation Systems -- Information Geometry on Modular and Hierarchical Neural Network -- A Novel Speed-Up Algorithm of Fractal Image Compression -- Implementation and Evaluation of a Novel Parallel SAR Imaging Method on Clustering Systems -- Shape Registration Based on Modified Chain Codes -- A Distributed Parallel Resampling Algorithm for Large Images -- Collaborative Supervision of Machine Vision Systems: Breaking a Sequential Bottleneck in the Supervised Learning Process -- Parallel Storing and Querying XML Documents Using Relational DBMS -- A Variable Consistent Server Replication Model for Mobile Database -- Multi-scheduler Concurrency Control for Parallel Database Systems -- Optimal Broadcast Channel for Data Dissemination in Mobile Database Environment -- Global System Image Architecture for Cluster Computing.

Sommario/riassunto

This volume contains the papers presented at the 5th International Workshop on Advanced Parallel Processing Technologies, APPT 2003. This series of workshops is designed to strengthen the cooperation between the German and Chinese institutions active in the area of these technologies. It has continued to grow, providing an excellent forum for reporting advances in parallel processing technologies. The 5th workshop itself addressed the entire gamut of related topics, ranging from the architectural aspects of parallel computer hardware and system software to the applied technologies for novel applications. For this workshop, we received over 191 full submissions from researchers all over the world. All the papers were peer-reviewed in depth and qualitatively graded on their relevance, originality, significance, presentation, and the overall appropriateness for their acceptance. Any concerns raised were discussed in the program committee. The organizing committee did an excellent job in selecting 78 papers (Among them, 21 were short ones) for presentation. In short, the papers included here represent the forefront of research from China, Germany, and the other countries.

2. Record Nr.	UNINA9910823538303321
Autore	King Peter <1960-2023, >
Titolo	Housing policy transformed : the right to buy and the desire to own / / Peter King [[electronic resource]]
Pubbl/distr/stampa	Bristol : , : Policy, , 2010
ISBN	1-4473-0251-6 1-282-56203-7 9786612562037 1-84742-214-4
Descrizione fisica	1 online resource (xii, 122 pages) : digital, PDF file(s)
Disciplina	363.5/83
Soggetti	Public housing - Government policy - Great Britain Housing policy - Great Britain - History Home ownership - Government policy - Great Britain
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 22 Jul 2022).
Nota di bibliografia	Includes bibliographical references (p. 117-120) and index.
Nota di contenuto	Housing Policy Transformed; Contents; Preface; Acknowledgements; 1. Introduction; 2. Owning and using things; 3. What Mrs Thatcher did; 4. What happened next?; 5. What is wrong with it?; 6. What does it tell us?; 7. Conclusions; Bibliography; Index.
Sommario/riassunto	This book seeks to understand the Right to Buy, the most controversial housing policy of the last thirty years, on its own terms, rather than most studies which focus on its negative impact. It explains how the policy links with a coherent ideology based on self-interest and the care of things close to us.

3. Record Nr.	UNINA9910483330303321
Titolo	High Performance Computing : 30th International Conference, ISC High Performance 2015, Frankfurt, Germany, July 12-16, 2015, Proceedings // edited by Julian M. Kunkel, Thomas Ludwig
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-20119-0
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (XII, 530 p. 237 illus.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 9137
Disciplina	004.3
Soggetti	Electronic digital computers - Evaluation Computers Computer engineering Computer networks Computer science System Performance and Evaluation Hardware Performance and Reliability Computer Engineering and Networks Theory of Computation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Asynchronous Iterative Algorithm for Computing Incomplete Factorizations on GPUs -- Matrix Multiplication on High-Density Multi-GPU Architectures: Theoretical and Experimental Investigations -- A Framework for Batched and GPU-Resident Factorization Algorithms Applied to Block Householder Transformations -- Parallel Efficient Sparse Matrix-Matrix Multiplication on Multicore Platforms -- On the Design, Development, and Analysis of Optimized Matrix-Vector Multiplication Routines for Coprocessors -- Large-Scale Neo-Heterogeneous Programming and Optimization of SNP Detection on Tianhe-2 -- ACCOLADES: A Scalable Workflow Framework for Large-Scale Simulation and Analyses of Automotive Engines -- Accelerating LBM and LQCD Application Kernels by In-Memory Processing -- On Quantum Chemistry Code Adaptation for RSC PetaStream Architecture

-- Dtree: Dynamic Task Scheduling at Petascale -- Feasibility Study of Porting a Particle Transport Code to FPGA -- A Scalable, Linear-Time Dynamic Cutoff Algorithm for Molecular Dynamics -- BWTCP: A Parallel Method for Constructing BWT in Large Collection of Genomic Reads -- Lattice-CSC: Optimizing and Building an Efficient Supercomputer for Lattice-QCD and to Achieve First Place in Green500 -- An Efficient Clique-Based Algorithm of Compute Nodes Allocation for In-memory Checkpoint System -- A Scalable Algorithm for Radiative Heat Transfer Using Reverse Monte Carlo Ray Tracing -- Optimizing Processes Mapping for Tasks with Non-uniform Data Exchange Run on Cluster with Different Interconnects -- Dynamically Adaptable I/O Semantics for High Performance Computing -- Predicting Performance of Non-contiguous I/O with Machine Learning -- A Best Practice Analysis of HDF5 and NetCDF-4 Using Lustre -- Striping Layout Aware Data Aggregation for High Performance I/O on a Lustre File System -- Hop: Elastic Consistency for Exascale Data Stores -- Energy-Efficient Data Processing Through Data Sparsing with Artifacts -- Updating the Energy Model for Future Exascale Systems -- High-Order ADER-DG Minimizes Energy- and Time-to-Solution of SeisSol -- Modeling the Productivity of HPC Systems on a Computing Center Scale -- Taking Advantage of Node Power Variation in Homogenous HPC Systems to Save Energy -- A Run-Time System for Power-Constrained HPC Applications -- A Machine Learning Approach for a Scalable, Energy-Efficient Utility-Based Cache Partitioning -- A Case Study - Cost of Preemption for Urgent Computing on SuperMUC -- Designing Non-blocking Personalized Collectives with Near Perfect Overlap for RDMA-Enabled Clusters -- Design Methodology for Optimizing Optical Interconnection Networks in High Performance Systems -- Quantifying Communication in Graph Analytics -- Formal Metrics for Large-Scale Parallel Performance -- Hunting Down Load Imbalance: A Moving Target -- Orchestrating Docker Containers in the HPC Environment -- Performance and Scaling of WRF on Three Different Parallel Supercomputers.

Sommario/riassunto

This book constitutes the refereed proceedings of the 30th International Conference, ISC High Performance 2015, [formerly known as the International Supercomputing Conference] held in Frankfurt, Germany, in July 2015. The 27 revised full papers presented together with 10 short papers were carefully reviewed and selected from 67 submissions. The papers cover the following topics: cost-efficient data centers, scalable applications, advances in algorithms, scientific libraries, programming models, architectures, performance models and analysis, automatic performance optimization, parallel I/O and energy efficiency.
