

1. Record Nr.	UNISA996465912203316
Titolo	Parallel computation : Fourth International ACPC Conference, including special tracks on parallel numerics (ParNum '99) and parallel computing in image processing, video processing, and multimedia, Salzburg, Austria, February 16-18, 1999 : proceedings / / Peter Zinterhof, Marian Vajtersic, Andreas Uhl, editors
Pubbl/distr/stampa	Berlin ; ; New York, NY : , : Springer Verlag, , [1999] Â©1999
ISBN	3-540-49164-3
Edizione	[1st ed. 1999.]
Descrizione fisica	1 online resource (DCXXVIII, 612 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1557
Disciplina	004.35
Soggetti	Parallel processing (Electronic computers)
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	Parallel Numerics -- Teraflops Computing: A Challenge to Parallel Numerics? -- Non-standard Parallel Solution Strategies for Distributed Sparse Linear Systems -- Parallel Numerics -- Optimal Tridiagonal Solvers on Mesh Interconnection Networks -- Parallel Pivots LU Algorithm on the Cray T3E -- Experiments with Parallel One - Sided and Two - Sided Algorithms for SVD -- Combined Systolic Array for Matrix Portrait Computation -- Parallel Numerics -- A Class of Explicit Two-Step Runge-Kutta Methods with Enlarged Stability Regions for Parallel Computers -- A Parallel Strongly Implicit Algorithm for Solving of Diffusion Equations -- A Parallel Algorithm for Lagrange Interpolation on k-ary n-Cubes -- Parallel Numerics -- Parallel Quasi-Monte Carlo Integration Using (t,s)-Sequences -- Parallel Random Number Generation: Long-Range Correlations Among Multiple Processors -- A Monte-Carlo Method with Inherent Parallelism for Numerical Solving Partial Differential Equations with Boundary Conditions -- Parallel Numerics -- Blocking Techniques in Numerical Software -- HPF and Numerical Libraries -- paradeis: An Object Library for Parallel Sparse Array Computation -- Parallel Numerics -- Performance Analysis and Derived Parallelization Strategy for a SCF

Program at the Hartree Fock Level -- Computational Issues in
Optimizing Ophthalmic Lens -- Parallel Finite Element Modeling of
Solidification Processes -- Parallel Computing in Image Processing,
Video Processing, and Multimedia -- Architectural Approaches for
Multimedia Processing -- On Parallel Reconfigurable Architectures for
Image Processing -- Parallel Computing in Image Processing, Video
Processing, and Multimedia -- Parallel Multiresolution Image
Segmentation with Watershed Transformation -- Solving Irregular
Inter-processor Data Dependency in Image Understanding Tasks -- A
New Parallelism Management Scheme for Multiprocessor Systems --
Parallel Computing in Image Processing, Video Processing, and
Multimedia -- A Flexible VLSI Parallel Processing System for Block-
Matching Motion Estimation in Low Bit-Rate Video Coding Applications
-- Hierarchical Block Matching Motion Estimation on a Hypercube
Multiprocessor -- Classification Based Speed-Up Methods for Fractal
Image Compression on Multicomputers -- Accurate Motion Estimation
in Image Sequences: Massive vs. Distributed Parallelism -- Parallel
Computing in Image Processing, Video Processing, and Multimedia -- A
Real-Time Distributed Video Image Processing System on PC-Cluster --
Modeling and Scheduling for MPEG-4 Based Video Encoder Using a
Cluster of Workstations -- Fractal Video Compression on Shared
Memory Systems -- The Split-Proxy Approach: A New Architecture for
Parallel Video Servers § -- Parallel Computing in Image Processing,
Video Processing, and Multimedia -- A Wavelet Toolbox for Large Scale
Image Processing -- Hardware and Software Aspects for 3-D Wavelet
Decomposition on Shared Memory MIMD Computers -- On the Parallel
Implementation of the Fast Wavelet Packet Transform on MIMD
Distributed Memory Environments -- Algorithms and Programming
Paradigms for 2-D Wavelet Packet Decomposition on Multicomputers
and Multiprocessors -- Real-Time Layered Video Compression Using
SIMD Computation -- Parallel Computing in Image Processing, Video
Processing, and Multimedia -- Parallelisation of a Satellite Signal
Processing Code - Strategies and Tools -- MMIPPS - A Software
Package for Multitemporal and Multispectral Image Processing on
Parallel Systems -- Parallel Matching of Synthetic Aperture Radar
Images -- General Aspects of Parallel Computation -- Parallel
Decomposition of Distance-Hereditary Graphs -- Asynchronous Parallel
Construction of Recursive Tree Hierarchies -- The Locality Property in
Topological Irregular Graph Hierarchies -- General Aspects of Parallel
Computation -- Geometry-Aided Rectilinear Partitioning of
Unstructured Meshes -- Reducing Cache Conflicts by a Parametrized
Memory Mapping -- Optimizing I/O for Irregular Applications on
Distributed-Memory Machines -- General Aspects of Parallel
Computation -- Cellular Multiprocessor Arrays with Adaptive Resource
Utilization -- NOPE: A Nondeterministic Program Evaluator -- Visual-
MCM: Visualising Execution Histories on Multiple Memory Consistency
Models -- General Aspects of Parallel Computation -- High
Performance Implementation of MPI for Myrinet -- Parallel Cluster
Computing with IEEE1394--1995 -- Simulating Load Balancing on
Heterogeneous Workstation Clusters -- General Aspects of Parallel
Computation -- Global Virtual Time Approximation for Split Queue
Time Warp -- MPI-parallelized Radiance on SGI CoW and SMP --
Parallel Sub-collection Join Query Algorithms for a High Performance
Object-Oriented Database Architecture -- General Aspects of Parallel
Computation -- An Evaluation of Parallel Computing in PC Clusters with
Fast Ethernet -- Parallel MPEG-2 Encoder on ATM and Ethernet-
Connected Workstations -- Block and Partitioned Neville Elimination --
An Object-Oriented DataBase for Movies-on-Demand: Two Approaches

§ -- Parallel Tree Algorithms for N-body Simulations -- Parallel Numerical Algorithms for Distributed Memory Machines -- Dynamic Scheduling on a Network Heterogeneous Computer System -- Interaction between PVM Parameters and Communication Performances on ATM Networks -- How To Share a Divisible Load in a Hypercube -- Overlapped Four-Step FFT Computation -- Design of Parallel Processing System for Facial Image Retrieval -- Inter-procedural Analysis for Parallelization of Java Programs -- Fast Recursive Computation of Local Axial Moments by Using Primitive Kernel Functions -- Speed Up Estimation for a Parallel Method for Systems of Linear Ordinary Differential Equations -- Efficient Parallel Algorithms for Dense Cholesky Factorization.

2. Record Nr.	UNINA9910136949703321
Titolo	2016 IEEE/ACES International Conference on Wireless Information Technology and Systems (ICWITS) and Applied Computational Electromagnetics (ACES) : proceedings : March 13-17, 2016, Sheraton Waikiki Hotel and Resort, Honolulu, Hawaii, USA // Institute of Electrical and Electronics Engineers
Pubbl/distr/stampa	Piscataway, NJ : , : IEEE, , [2016] ©2016
ISBN	1-5090-1259-1
Descrizione fisica	1 online resource : illustrations
Disciplina	621.384
Soggetti	Wireless communication systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Integrated approaches in the design and implementation of advanced wireless communications and radar systems, and use of computational electromagnetics in the design and optimization of these systems and associated components.