

<<Euro-Par 2005 Parall>>

图书基本信息

书名：<<Euro-Par 2005 Parallel Processing2005 欧洲并行处理会议/会议录>>

13位ISBN编号：9783540287001

10位ISBN编号：3540287000

出版时间：2005-9

出版时间：北京燕山出版社

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页数：1299

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内容概要

This book constitutes the refereed proceedings of the 11th International Conference on Parallel Computing, Euro-Par 2005, held in Lisbon, Portugal, in August/September 2005. The 120 revised papers presented together with 4 invited papers were carefully reviewed and selected from 388 submissions. The papers are organized in topical sections on support tools and environments, performance prediction and evaluation, scheduling and load balancing, compilers for high performance, parallel and distributed databases, data mining and knowledge discovery, grid and cluster computing: models, middleware and architectures, parallel computer architecture and instruction distributed systems and algorithms, parallel programming: models, methods, and languages, parallel numerical algorithms, distributed and high-performance multimedia, theory and algorithms for parallel computation, routing and communication in interconnection networks, mobile and ubiquitous computing, peer-to-peer and web computing, and applications of high-performance and grid computing.

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书籍目录

Invited Talks On the Use of Virtualization and Service Technologies to Enable Grid-Computing The Evolution of the Blue Gene/L Supercomputer Agent Based Computational Grids: Research Issues and Challenges Science on a Large ScaleTopic 1 - Support Tools and Environments Tolerating Message Latency Through the Early Release of Blocked Receives Fast Convex Closure for Efficient Predicate Detection A Generic Language for Dynamic Adaptation Soft Computing Approach to Performance Analysis of Parallel and Distributed Programs The Data Diffusion Space for Parallel Computing in Clusters Models for On-the-Fly Compensation of Measurement Overhead in Parallel Performance Profiling Modeling Pipeline Applications in POETRIESTopic 2 - Performance Prediction and Evaluation Automatic Tuning of Master/Worker Applications Performance Cockpit: An Extensible GUI Platform for Performance Tools Apex-Map: A Synthetic Scalable Benchmark Probe to Explore Data Access Performance on Highly Parallel Systems PerfMiner: Cluster-Wide Collection, Storage and Presentation of Application Level Hardware Performance Data Performance Evaluation of MM5 on Clusters with Modern Interconnects Scalability and Impact A Performance Measurement Infrastructure for Co-array Fortran Event-Based Measurement and Analysis of One-Sided Communication An Efficient Multi-level Trace Toolkit for Multi-threaded Applications Knowledge Based Automatic Scalability Analysis and Extrapolation for MPI Programs Performance Modeling: Understanding the Past and Predicting the Future An Approach to Performance Prediction for Parallel ApplicationsTopic 3- Scheduling and Load-BalancingTopic 4- Compilers for High PerformanceTopic 5- Parallel and Distributed Databases, Data Mining and Knowledge DiscoveryTopic 6- Grid and Cluster Computing:Models,Middleware and ArchitecturesTopic 7- Parallel Computer Architecture and ILPTopic 8- Distributed Systems and AlgorithmsTopic 9- Parallel Programmings:Models,Methods and LanguagesTopic 10- Parallel Numerical AlgorithmsTopic 11- Distributed and High-PerformanceTopic 12- Theory and Algorithms for Parallel ComputationTopic 13- Routing and Communication in Interconnection NetworksTopic 14- Mobile and Ubiquitous ComputingTopic 15- Peer-to-Peer and Web ComputingTopic 16- Applications of High-Performance and Grid ComputingAuthor Index

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