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Nota di contenuto	Workshop on Virtualization in High-Performance Cluster and Grid Computing (VHPC 2008) -- Workshop on Virtualization in High-Performance Cluster and Grid Computing (VHPC 2008) -- Tools and Techniques for Managing Virtual Machine Images -- Dynamic on Demand Virtual Clusters in Grid -- Dynamic Provisioning of Virtual

Clusters for Grid Computing -- Dynamic Resources Management of Virtual Appliances on a Computational Cluster -- Complementarity between Virtualization and Single System Image Technologies -- Efficient Shared Memory Message Passing for Inter-VM Communications -- An Analysis of HPC Benchmarks in Virtual Machine Environments -- UNICORE Summit 2008 -- UNICORE Summit 2008 -- Space-Based Approach to High-Throughput Computations in UNICORE 6 Grids -- The Chemomomentum Data Services – A Flexible Solution for Data Handling in UNICORE -- A Reliable and Fast Data Transfer for Grid Systems Using a Dynamic Firewall Configuration -- Workflow Service Extensions for UNICORE 6 – Utilising a Standard WS-BPEL Engine for Grid Service Orchestration -- Benchmarking of Integrated OGSA-BES with the Grid Middleware -- Second Workshop on Highly Parallel Processing on a Chip (HPPC 2008) -- Second Workshop on Highly Parallel Processing on a Chip (HPPC 2008) -- Models for Parallel and Hierarchical On-Chip Computation -- Building a Concurrency and Resource Allocation Model into a Processor's ISA -- Optimized Pipelined Parallel Merge Sort on the Cell BE -- Towards an Intelligent Environment for Programming Multi-core Computing Systems -- Adaptive Read Validation in Time-Based Software Transactional Memory -- Compile-Time and Run-Time Issues in an Auto-Parallelisation System for the Cell BE Processor -- A Unified Runtime System for Heterogeneous Multi-core Architectures -- (When) Will CMPs Hit the Power Wall? -- Workshop on Secure, Trusted, Manageable and Controllable Grid Services (SGS 2008) -- Workshop on Secure, Trusted, Manageable and Controllable Grid Services (SGS 2008) -- Meta-Brokering Solutions for Expanding Grid Middleware Limitations -- Building Secure Resources to Ensure Safe Computations in Distributed and Potentially Corrupted Environments -- Simbatch: An API for Simulating and Predicting the Performance of Parallel Resources Managed by Batch Systems -- Analysis of Peer-to-Peer Protocols Performance for Establishing a Decentralized Desktop Grid Middleware -- Towards a Security Model to Bridge Internet Desktop Grids and Service Grids -- Workshop on Productivity and Performance (PROPER 2008) -- Workshop on Productivity and Performance (PROPER 2008) -- Enabling Data Structure Oriented Performance Analysis with Hardware Performance Counter Support -- Complete Def-Use Analysis in Recursive Programs with Dynamic Data Structures -- Parametric Studies in Eclipse with TAU and PerfExplorer -- Trace-Based Analysis and Optimization for the Semtex CFD Application – Hidden Remote Memory Accesses and I/O Performance -- Scalasca Parallel Performance Analyses of PEPC -- Comparing the Usability of Performance Analysis Tools -- Real-Time Online Interactive Applications on the Grid (ROIA 2008) -- Real-Time Online Interactive Applications on the Grid (ROIA 2008) -- Real-Time Performance Support for Complex Grid Applications -- CoUniverse: Framework for Building Self-organizing Collaborative Environments Using Extreme-Bandwidth Media Applications -- Developing VR Applications for the Grid -- An Information System for Real-Time Online Interactive Applications -- Securing Real-Time On-Line Interactive Applications in edutain@grid -- The edutain@grid Portals – Providing User Interfaces for Different Kinds of Actors -- A Case Study on Using RTF for Developing Multi-player Online Games -- Abstractions for Distributed Systems (DPA 2008) -- Abstractions for Distributed Systems (DPA 2008) -- Co-design of Distributed Systems Using Skeleton and Autonomic Management Abstractions -- Distributed Data Mining Tasks and Patterns as Services -- ProActive Parallel Suite: From Active Objects-Skeletons-Components to Environment and Deployment -- On Abstractions of Software

Component Models for Scientific Applications -- Group Abstractions  
for Organizing Dynamic Distributed Systems.

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Sommario/riassunto

This book constitutes the thoroughly refereed joint post-workshop proceedings of seven international events, held in Las Palma de Gran Canaria, Spain, in August 2008 within the scope of Euro-Par 2008, the 14th International Conference on Parallel Computing. The 43 papers presented together with 7 keynote lectures were carefully reviewed and selected during two rounds of reviewing and improvement from numerous presentations at the following workshops: the 3rd Workshop on Virtualization in High-Performance Cluster and Grid Computing (VHPC 2008), the UNICORE Summit 2008, the International Workshop on Highly Parallel Processing on a Chip (HPPC 2008), the Workshop on Secure, Trusted, Manageable and Controllable Grid Services (SGS 2008), the Workshop on Productivity and Performance (PROPER 2008), the Workshop on Real-Time Online Interactive Applications on the Grid (ROIA 2008), and the Workshop on Abstractions for Distributed Systems (DPA 2008).

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