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Nota di contenuto	Telemedical Applications and Grid Technology -- Statistical Modeling and Segmentation in Cardiac MRI Using a Grid Computing Approach -- A Grid Molecular Simulator for E-Science -- Application Driven Grid Developments in the OpenMolGRID Project -- ATLAS Data Challenge 2: A Massive Monte Carlo Production on the Grid -- High Throughput Computing for Spatial Information Processing (HIT-SIP) System on Grid Platform -- The University of Virginia Campus Grid: Integrating Grid Technologies with the Campus Information Infrastructure -- M-Grid: Using Ubiquitous Web Technologies to Create a Computational Grid -- GLIDE: A Grid-Based Light-Weight Infrastructure for Data-Intensive Environments -- HotGrid: Graduated Access to Grid-Based Science Gateways -- Principles of Transactional Grid Deployment -- Experience with the International Testbed in the CrossGrid Project -- eNANOS Grid Resource Broker -- GridARM: Askalon’s Grid Resource Management System -- A Super-Peer Model for Building Resource Discovery Services in Grids: Design and Simulation Analysis -- Ontology-Based Grid Index Service for Advanced Resource Discovery and Monitoring -- Grid Service Based Collaboration for VL-e: Requirements, Analysis and Design -- A Fully Decentralized Approach to Grid Service Discovery Using Self-organized Overlay Networks -- Dynamic Parallelization of Grid–Enabled Web Services -- Automatic Composition and Selection of Semantic Web Services -- Grid Application Monitoring and Debugging Using the Mercury Monitoring System -- Interactive Visualization of

Grid Monitoring Data on Multiple Client Platforms -- GridBench: A Workbench for Grid Benchmarking -- A Method for Estimating the Execution Time of a Parallel Task on a Grid Node -- Performance of a Parallel Astrophysical N-Body Solver on Pan-European Computational Grids -- Introducing Grid Speedup ? : A Scalability Metric for Parallel Applications on the Grid -- A Dynamic Key Infrastructure for Grid -- Experiences of Applying Advanced Grid Authorisation Infrastructures -- Towards a Grid-wide Intrusion Detection System -- International Grid CA Interworking, Peer Review and Policy Management Through the European DataGrid Certification Authority Coordination Group -- Grid Enabled Optimization -- Towards a Coordination Model for Parallel Cooperative P2P Multi-objective Optimization -- A Grid-Oriented Genetic Algorithm -- A Probabilistic Approach for Task and Result Certification of Large-Scale Distributed Applications in Hostile Environments -- A Service Oriented Architecture for Decision Making in Engineering Design -- A Grid Architecture for Comfortable Robot Control -- The Grid-Ireland Deployment Architecture -- UNICORE as Uniform Grid Environment for Life Sciences -- MyGridFTP: A Zero-Deployment GridFTP Client Using the .NET Framework -- On Using Jini and JXTA in Lightweight Grids -- Ticket-Based Grid Services Architecture for Dynamic Virtual Organizations -- Heterogeneity of Computing Nodes for Grid Computing -- Effective Job Management in the Virtual Laboratory -- Workflow Management in the CrossGrid Project -- Workflow-Oriented Collaborative Grid Portals -- Contextualised Workflow Execution in MyGrid -- Real World Workflow Applications in the Askalon Grid Environment -- OpenMolGRID: Using Automated Workflows in GRID Computing Environment -- Implementation of Replication Methods in the Grid Environment -- A Secure Wrapper for OGSA-DAI -- XDTM: The XML Data Type and Mapping for Specifying Datasets -- iGrid, a Novel Grid Information Service -- A Grid-Enabled Digital Library System for Natural Disaster Metadata -- Optimising Parallel Applications on the Grid Using Irregular Array Distributions -- Dynamic Adaptation for Grid Computing -- Improving Multilevel Approach for Optimizing Collective Communications in Computational Grids -- Rough Set Based Computation Times Estimation on Knowledge Grid -- A Behavior Characteristics-Based Reputation Evaluation Method for Grid Entities -- Dynamic Policy Management Framework for Partial Policy Information -- Security Architecture for Open Collaborative Environment -- An Experimental Information Grid Environment for Cultural Heritage Knowledge Sharing -- Implementation of Federated Databases Through Updatable Views -- Data Mining Tools: From Web to Grid Architectures -- Fault-Tolerant Scheduling for Bag-of-Tasks Grid Applications -- The Design and Implementation of the KOALA Co-allocating Grid Scheduler -- A Multi-agent Infrastructure and a Service Level Agreement Negotiation Protocol for Robust Scheduling in Grid Computing -- Towards Quality of Service Support for Grid Workflows -- Transparent Fault Tolerance for Grid Applications -- Learning Automata Based Algorithms for Mapping of a Class of Independent Tasks over Highly Heterogeneous Grids -- Grid Resource Broker Using Application Benchmarking -- The Grid Block Device: Performance in LAN and WAN Environments -- WS-Based Discovery Service for Grid Computing Elements -- Rapid Distribution of Tasks on a Commodity Grid -- Modeling Execution Time of Selected Computation and Communication Kernels on Grids -- Parallel Checkpointing on a Grid-Enabled Java Platform -- Fault Tolerance in the R-GMA Information and Monitoring System -- Deployment of Grid Gateways Using Virtual Machines -- Development of Cactus Driver for CFD Analyses in the Grid

Computing Environment -- Striped Replication from Multiple Sites in the Grid Environment -- The Gridkit Distributed Resource Management Framework -- Stochastic Approach for Secondary Storage Data Access Cost Estimation -- A Cluster-Based Dynamic Load Balancing Middleware Protocol for Grids -- Reconfigurable Scientific Applications on GRID Services -- Geographic Information Systems Grid -- Tools for Distributed Development and Deployment on the Grid -- DNS-Based Discovery System in Service Oriented Programming -- Experiences with Deploying Legacy Code Applications as Grid Services Using GEMLCA, -- A Framework for Job Management in the NorduGrid ARC Middleware -- Data Management in Flood Prediction -- Adaptive Task Scheduling in Computational GRID Environments -- Large-Scale Computational Finance Applications on the Open Grid Service Environment -- Localized Communications of Data Parallel Programs on Multi-cluster Grid Systems -- VIRGO: Virtual Hierarchical Overlay Network for Scalable Grid Computing -- A Monitoring Architecture for Control Grids -- Mobile-to-Grid Middleware: Bridging the Gap Between Mobile and Grid Environments -- Role of N1 Technology in the Next Generation Grids Middleware -- Optimizing Grid Application Setup Using Operating System Mobility -- GriddLeS Enhancements and Building Virtual Applications for the GRID with Legacy Components -- Application Oriented Brokering in Medical Imaging: Algorithms and Software Architecture -- A Performance Contract System in a Grid Enabling, Component Based Programming Environment -- A WSRF Based Shopping Cart System -- Grid Access Middleware for Handheld Devices -- An Extendable GRID Application Portal -- A Task Replication and Fair Resource Management Scheme for Fault Tolerant Grids -- CrossGrid Integrated Workflow Management System -- Load Balancing by Changing the Graph Connectivity on Heterogeneous Clusters -- Threat Model for Grid Security Services -- A Loosely Coupled Application Model for Grids -- A Locking Protocol for a Distributed Computing Environment -- Grid-Based SLA Management -- A Heuristic Algorithm for Mapping Parallel Applications on Computational Grids -- A Bypass of Cohen’s Impossibility Result -- Mapping Workflows onto Grid Resources Within an SLA Context -- iShare – Open Internet Sharing Built on Peer-to-Peer and Web -- A Service-Based Architecture for Integrating Globus 2 and Globus 3 -- The CampusGrid Test Bed at Forschungszentrum Karlsruhe -- A Model for Flexible Service Use and Secure Resource Management -- Online Performance Monitoring and Analysis of Grid Scientific Workflows -- WebGrid: A New Paradigm for Web System -- Dynamic Failure Management for Parallel Applications on Grids -- A Novel Intrusion Detection Method for Mobile Ad Hoc Networks.