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Grid File Transfer -- Grid File Transfer During Deployment, Execution, and Retrieval -- A Parallel Data Storage Interface to GridFTP -- Parallel Applications -- Parallelization of a Discrete Radiosity Method Using Scene Division -- A Mixed MPI-Thread Approach for Parallel Page Ranking Computation -- Scheduling in Grid Environments -- A Decentralized Strategy for Genetic Scheduling in Heterogeneous Environments -- Solving Scheduling Problems in Grid Resource Management Using an Evolutionary Algorithm -- Integrating Trust into Grid Economic Model Scheduling Algorithm -- Autonomous and Autonomic Computing -- QoS-Driven Web Services Selection in Autonomic Grid Environments -- Autonomous Layer for Data Integration in a Virtual Repository, -- Grid Infrastructures for Data Analysis -- An Instrumentation Infrastructure for Grid Workflow Applications -- A Dynamic Communication Contention Awareness List Scheduling Algorithm for Arbitrary Heterogeneous System -- Access Control and Security -- Distributed Provision and Management of Security Services in Globus Toolkit 4 -- A Fine-Grained and X.509-Based Access Control System for Globus -- Programming Aspects for Developing Scientific Grid Components -- Dynamic Reconfiguration of Scientific Components Using Aspect Oriented Programming: A Case Study -- MGS: An API for Developing Mobile Grid Services -- Databases and Data Grids -- Using Classification Techniques to Improve Replica Selection in Data Grid -- Searching Moving Objects in a Spatio-temporal Distributed Database Servers System -- Distributed Applications -- A Generic Deployment Framework for Grid Computing and Distributed Applications -- CBIR on Grids -- Evaluation -- Performance Evaluation of Group Communication Architectures in Large Scale Systems Using MPI -- Distributed Objects and Applications (DOA) 2006 International Conference -- DOA 2006 International Conference (Distributed Objects and Applications) PC Co-chairs' Message -- Keynote -- Everyobjects in the Pervasive Computing Landscape -- Services -- Using Selective Acknowledgements to Reduce the Memory Footprint of Replicated Services -- Modularization of Distributed Web Services Using Aspects with Explicit Distribution (AWED) -- ANIS: A Negotiated Integration of Services in Distributed Environments -- Communications -- Towards a Generic Group Communication Service -- Optimizing Pub/Sub Systems by Advertisement Pruning -- A Specification-to-Deployment Architecture for Overlay Networks -- Searching Techniques -- Distributed Lookup in Structured Peer-to-Peer Ad-Hoc Networks -- A Document-Centric Component Framework for Document Distributions -- Shepherdable Indexes and Persistent Search Services for Mobile Users -- Types and Notations -- Distributed Abstract Data Types -- Aligning UML 2.0 State Machines and Temporal Logic for the Efficient Execution of Services -- Developing Mobile Ambients Using an Aspect-Oriented Software Architectural Model -- Adaptivity -- Component QoS Contract Negotiation in Multiple Containers -- RIMoCoW, a Reconciliation Infrastructure for CORBA Component-Based Applications in Mobile Environments -- A Component-Based Planning Framework for Adaptive Systems -- Middleware -- A Case for Event-Driven Distributed Objects -- MoCoA: Customisable Middleware for Context-Aware Mobile Applications -- A Framework for Adaptive Mobile Objects in Heterogeneous Environments -- Distribution Support -- A Novel Object Pool Service for Distributed Systems -- A Java Framework for Building and Integrating Runtime Module Systems -- Transparent and Dynamic Code Offloading for Java Applications -- Self-organisation -- Self-organizing and Self-stabilizing Role Assignment in Sensor/Actuator Networks -- Towards Self-organizing Distribution Structures for Streaming Media -- Bulls-