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Invited Paper -- Collaborative Business Intelligence: Enabling Collaborative Decision Making in Enterprises -- Web Service -- Dynamic Web Services Provisioning with Constraints -- Timed Properties-Aware Asynchronous Web Service Composition -- Load and Proximity Aware Request-Redirection for Dynamic Load Distribution in Peering CDNs -- Business Process Technology -- Process View Derivation and Composition in a Dynamic Collaboration Environment -- Business Provenance – A Technology to Increase Traceability of End-to-End Operations -- Algorithms Based on Pattern Analysis for Verification and Adapter Creation for Business Process Composition -- E-Service Management -- Recovery of Concurrent Processes in a Service Composition Environment Using Data Dependencies -- An Ontology-Based Approach to Validation of E-Services under Static and Dynamic Constraints -- Data-Continuous SQL Process Model -- Distributed Process Management -- Multi-ring Infrastructure for Content Addressable Networks -- Online Querying of Concept Hierarchies in P2P Systems -- A Multi-agents Contractual Approach to Incentive Provision in Non-cooperative Networks -- Schema Matching -- A Flexible Approach for Planning Schema Matching Algorithms -- BPEL to BPMN: The Myth of a Straight-Forward Mapping -- Boosting Schema Matchers -- Business Process Tracing -- Cooperative Data Management Services Based on Accountable Contract -- Cycle Time Prediction: When Will This Case Finally Be Finished? -- XML Methods for Validation of Temporal Properties on Message Traces with Data -- Workflow and Business Applications -- A Query Language for MOF Repository Systems -- Towards a Calculus for Collection-Oriented Scientific Workflows with Side Effects -- An Efficient Algorithm for Workflow Graph Structural Verification -- Short Papers -- Increasing the Efficiency of the Investments to Be Made in a Portfolio of IT Projects: A Data Envelopment Analysis Approach -- Merging Event-Driven Process Chains -- Flexible Process Graph: A Prologue -- Pattern Identification and Classification in the Translation from BPMN to BPEL -- I-SSA: Interaction-Situated Semantic Alignment -- Awareness of Concurrent Changes in Distributed Software Development -- Adapting Commit Protocols for Large-Scale and Dynamic Distributed Applications -- Semantic Interoperability in the BRITE Project: Ontologies as a Tool for Collaboration, Cooperation and Knowledge Management -- XML Data Integration Based on Content and Structure Similarity Using Keys -- Distributed Objects and Applications (DOA) 2008 International Conference -- DOA 2008 PC Co-chairs' Message -- Designing Distributed Systems -- On the Design of a SIP-Based Binding Middleware for Next Generation Home Network Services -- DQML: A Modeling Language for Configuring Distributed Publish/Subscribe Quality of Service Policies -- AOCl: Weaving Components in a Distributed Environment -- Context in Distributed Systems -- A Pluggable and Reconfigurable Architecture for a Context-Aware Enabling Middleware System -- Context Grouping Mechanism for Context Distribution in Ubiquitous Environments -- A Graph-Based Approach for Contextual Service Loading in Pervasive Environments -- High Availability -- Extending Middleware Protocols for Database Replication with Integrity Support -- Six-ShotBroadcast: A Context-Aware Algorithm for Efficient Message Diffusion in MANETs -- Correctness Criteria for Database Replication: Theoretical and Practical Aspects -- Adaptive Distributed Systems -- Optimizing the Utility Function-Based Self-adaptive Behavior of Context-Aware Systems Using User Feedback -- Developing a Concurrent Service Orchestration Engine Based on Event-Driven Architecture -- AKARA: A Flexible Clustering Protocol for Demanding Transactional Workloads -- Grid

computing, high performance and Distributed Applications (GADA) 2008 International Conference -- GADA 2008 PC Co-chairs' Message -- Scheduling Allocation -- Dynamic Objective and Advance Scheduling in Federated Grids -- Studying the Influence of Network-Aware Grid Scheduling on the Performance Received by Users -- Q-Strategy: A Bidding Strategy for Market-Based Allocation of Grid Services -- Databases in Grids -- Active Integration of Databases in Grids for Scalable Distributed Query Processing -- Managing Very-Large Distributed Datasets -- Grid Applications -- Peaks Detection in X-Ray Diffraction Profiles Using Grid Computing -- A Two Level Approach for Managing Resource and Data Intensive Tasks in Grids -- Self-similarity and Multidimensionality: Tools for Performance Modelling of Distributed Infrastructure -- Software Innovation for E-Government Expansion -- Data Management and Storage -- Efficient Grid-Based Video Storage and Retrieval -- Data Transformation Services over Grids with Real-Time Bound Constraints -- Towards a High Performance Implementation of MPI-IO on the Lustre File System -- New Tendencies and Approaches -- The Grid as a Single Entity: Towards a Behavior Model of the Whole Grid -- A Reference Model for Grid Architectures and Its Analysis -- Distributing Orthogonal Redundancy on Adaptive Disk Arrays.

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#### Sommario/riassunto

This two-volume set LNCS 5331/5332 constitutes the refereed proceedings of the five confederated international conferences on Cooperative Information Systems (CoopIS 2008), Distributed Objects and Applications (DOA 2008), Grid computing, high performance and Distributed Applications (GADA 2008), Information Security (IS 2008), and Ontologies, Databases and Applications of Semantics (ODBASE 2008), held as OTM 2008 in Monterrey, Mexico, in November 2008. The 86 revised full and 9 revised short papers presented together with 5 invited papers and 4 keynote talks were carefully reviewed and selected from a total of 292 submissions. Corresponding to the five OTM 2008 main conferences CoopIS, DOA, GADA, IS, and ODBASE the papers are organized in topical sections on Web service, business process technology, E-service management, distributed process management, schema matching, business process tracing, workflow and business applications, designing distributed systems, context in distributed systems, high availability, adaptive distributed systems, scheduling allocation, databases in grids, grid applications, data management and storage, new tendencies and approaches, intrusion detection, information hiding, data and risk management, access control, evaluation and implementation, semantic matching and similarity measuring, semantic searching, ontology development, ontology maintenance and evaluation, ontology applications, and semantic query processing.

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