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Soggetti	Application software Information storage and retrieval Software engineering Database management Computer communication systems Artificial intelligence Information Systems Applications (incl. Internet) Information Storage and Retrieval Software Engineering Database Management Computer Communication Networks Artificial Intelligence
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Nota di contenuto	Architecture -- Using Web Services Architecture in a Grid Infrastructure: An Early Implementation of Web Services Actors, Programming a Grid Application to Access Astronomical Databases -- A Scalable Entry-Level Architecture for Computational Grids Based on Web Services -- Enhancing Java Grid Computing Security with Resource Control -- Composition -- An Approach to Flexible Application Composition in a Diverse Software Landscape -- An Ontology-Based Framework for Semantic Grid Service Composition -- Towards a Metamodeling Based

Method for Representing and Selecting Grid Services -- Security --
Towards a Flexible Trust Model for Grid Environments -- Decentralized,
Adaptive Services: The AspectIX Approach for a Flexible and Secure
Grid Environment -- A Specification for Security Services on
Computational Grids -- Management -- Grid Service Management by
Using Remote Maintenance Shell -- The Grid-Occam Project.

Sommario/riassunto

This volume consists of the proceedings of the 1st International Conference on Grid Services Engineering and Management (GSEM 2004) that was held in conjunction with the 5th International Conference Net. ObjectDays 2004 (NODE 2004) and the European Conference on Web Services 2004 (ECOWS 2004) in Erfurt, Germany on 27–30 September 2004. The Grid has emerged as a global platform to support on-demand virtual organizations for coordinated sharing of distributed data, applications and processes. Service orientation of the Grid also makes it a promising platform for seamless and dynamic development, integration and deployment of service-oriented applications. The application components can be discovered, composed and delivered within a Grid of services, which are loosely coupled to create dynamic business processes and agile applications spanning organizations and computing platforms. The technologies contributing to such grids of services include Web services, the semantic Web, grid computing, component software and agent technologies. The GSEM 2004 conference provided an international forum for presenting the latest theoretical and practical results in technology solutions for engineering and management of Grid services and service-oriented applications. The conference aimed at bringing together researchers and practitioners from diverse fields and interests, including Web services, the semantic Web, Grid infrastructures, software components, workflows, agent technologies and service management, and those looking for new business and research cooperation opportunities in the area of Grid services and service-oriented applications.
