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Nota di contenuto	Mobile Service Oriented Architectures (MOSOA) -- A Spatial Programming Model for Real Global Smart Space Applications -- Mobile Process Description and Execution -- An Application Framework for Nomadic, Collaborative Applications -- Interfering Effects of Adaptation: Implications on Self-adapting Systems Architecture -- Discovery of Stable Peers in a Self-organising Peer-to-Peer Gradient Topology -- On the Value of Random Opinions in Decentralized Recommendation -- Information Agents That Learn to Understand Each Other Via Semantic Negotiation -- Discovering Semantic Web Services with Process Specifications -- Towards Building a Semantic Grid for E-Learning -- A Code Migration Framework for AJAX Applications -- High Performance SOAP Processing Driven by Data Mapping Template -- An Approach for Fine-Grained Web Service Performance Monitoring -- WSInterConnect: Dynamic Composition of Web Services Through Web Services -- Bounding Recovery Time in Rollback-Recovery Protocol for Mobile Systems Preserving Session Guarantees -- Intelligent Dependability Services for Overlay Networks -- Model-Driven Development of Context-Aware Services -- Utilising Alternative

Application Configurations in Context- and QoS-Aware Mobile Middleware -- Timing Driven Architectural Adaptation -- Fault-Tolerant Replication Based on Fragmented Objects -- Towards Context-Aware Transaction Services -- A Local Self-stabilizing Enumeration Algorithm -- Adding Fault-Tolerance to a Hierarchical DRE System -- Using Speculative Push for Unnecessary Checkpoint Creation Avoidance -- A Versatile Kernel for Distributed AOP -- Transformation of Centralized Software Components into Distributed Ones by Code Refactoring -- PAGE: A Distributed Infrastructure for Fostering RDF-Based Interoperability.

Sommario/riassunto

This volume contains the proceedings of the IFIP WG 6.1 International Working Conference on Distributed Applications and Interoperable Systems VI held in Bologna, Italy, on June 14-16, 2006. The conference program presents the state of the art in research on distributed and interoperable systems. In recent years, distributed applications have indeed gained a practical and widely-known footing in everyday computing. Use of new communication technologies have brought up divergent application areas, including mobile computing, inter-enterprise collaborations, and ubiquitous services, just to name a few. New challenges include the need for service-oriented architectures, autonomous and self-managing systems, peer-to-peer systems, grid computing, sensor networks, semantic enhancements, and adaptivity and dynamism of distribution constellations. Following the evolution of the field, DAIS 2006 focuses on architectures, models, technologies and platforms for interoperable, scalable and adaptable systems that are related to the latest trends towards service orientation and self-properties. The papers presented at DAIS 2006 cover methodological aspects, tools and language of building adaptable distributed and interoperable services, fault tolerance and dependability, peer-to-peer systems, mobility issues, web services applications and performance issues and composition, semantic web and semantic integration, and context- and location-aware applications. Also included in these proceedings is an invited paper by Jan Bosch and colleagues (Nokia Research Center, Finland) addressing the apparent conflict between usability and the architectural drivers that drive success or failure of mobile services.
