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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 d- tributed 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 s- vices, just to name a few. New challenges include the need for service-oriented - chitectures, autonomous and self-managing systems, peer-to-peer systems, grid computing, sensor networks, semantic enhancements, and adaptivity and - namism of distribution constellations. Following the evolution of the ?eld, DAIS 2006 focuses on architectures, m- els, technologies and platforms for interoperable, scalable and adaptable systems that are related to the latest trends towards service orientation and self-* pr-erties. 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 sem- tic integration, and context- and location-aware applications. Also included in these proceedings is an invited paper by Jan Bosch and colleagues (Nokia - search Center, Finland) addressing the apparent con?ict between usability and the architectural drivers that drive success or failure of mobile services.