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Nota di contenuto	Section 1: Distributed Systems and Languages -- A Denotational Model for Web Services Choreography -- On Automated Testing of Description Logic Reasoners -- A Domain-Specific Language for Application-Level Checkpointing -- Section 2: Data Grid -- Data Replication Using Experience Based Trust in a Data Grid Environment -- Back-Edge Heuristic for Efficient Data Distribution in Grid Systems -- Web Users' Personality Traits Analysis -- Section 3: Security -- A New Approach for Security in MPLS Multicast Networks -- Application for a Secure Fax System -- Forward-Secure Multi-signatures -- Section 4: Mobile Ad-Hoc Networks -- Modeling and Analysis of Mobility in MANeTs for Distributed Applications -- Scalability and Route Failure

Time of a Hybrid Protocol for Identification of Node-Disjoint Paths in Mobile Ad Hoc Networks -- A Strict Priority Based QoS-Aware MAC Protocol for Mobile Ad Hoc Networks -- QoS-Aware Dynamic Source Routing Using Diffserv Principles -- An Energy Efficient Communication Scheme for Distributed Computing Applications in Wireless Sensor Networks -- Section 5: Distributed Databases -- Optimizing Distributed Joins with Bloom Filters -- Analyzing Integrity Tests for Data Caching in Mobile Databases -- Section 6: Web Applications -- A Web Based Pathfinder Service for Road Networks in India -- An Approach to Archive Remote Sensing Images Based on ActiveX and Grid Service -- Section 7: P2P Systems -- Heuristic Algorithm for Optimization of P2P-Based Public-Resource Computing Systems -- Credibility Based Reputation Calculation in P2P Networks.

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#### Sommario/riassunto

This book constitutes the refereed proceedings of the 5th International Conference on Distributed Computing and Internet Technology, ICDCIT 2008, held in New Delhi, India, in December 2008. The 12 revised full papers and 8 revised short papers presented were carefully reviewed and selected from 96 submissions. Featuring current research and results in theory, methodology and applications of Distributed Computing and Internet Technology, the papers are subdivided in topical sections on distributed systems and languages, data grid, security, mobile ad-hoc networks, distributed databases, Web applications, and P2P systems.

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