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Soggetti	Computer networks Electrical engineering Artificial intelligence Application software Multimedia systems Information technology Business—Data processing Computer Communication Networks Communications Engineering, Networks Artificial Intelligence Information Systems Applications (incl. Internet) Multimedia Information Systems IT in Business
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Dynamic Congestion Avoidance Using Multi-Agents Systems -- Use of agents for resolving feature interactions -- IMAGO: A Prolog-based System for Intelligent Mobile Agents -- Mobile Agents and Legacy Systems: How to Integrate Alternative Communication Paradigms -- Agent-Based Distance Vector Routing -- High Availability Connection Management via Software Bus and Mobile Agent in Network Management Environment -- Multipoint-to-Point Routing With QoS

Guarantees Using Mobile Agents -- Dynamic Composition of Execution Environment for Adaptive Nomadic Applications -- Network Processing of Mobile Agents, by Mobile Agents, for Mobile Agents -- Design of a Mobile Agent-Based Workflow Management System -- Towards an Agent-based Distributed Hierarchical Network Management System for All-Optical Networks -- A Policy Management System for Mobile Agent-Based Services -- A Multi-agent Architecture for Intelligent Mobile Agents -- A Self-adaptable Agent System for Efficient Information Gathering -- An Agent-based Approach to Full Interoperability and Allocation Transparency in Distributed File Systems -- A Proposal of PVCs Configuration Methodology Employing Mobile Agents -- SITA: Protecting Internet Trade Agents from Malicious Hosts -- Applying Mobile Agents to Enable Dynamic, Context-Aware Interactions for Mobile Phone Users -- Using Mobile Agents for Managing Control and Alarms in Urban Infrastructures -- The Spider Model of Agents -- On the Modeling of Mobile Agent-Based Systems -- Multi-domain Policy Based Management Using Mobile Agents -- A Mobile Agent Prototype for Distributed Search -- Using the Cross-Entropy Method to Guide/Govern Mobile Agent's Path Finding in Networks -- Context Gathering Mobile Agents to Assist in Resource Reservation for Inter-technology Hand-off -- Towards a Secure Agent Platform Based on FIPA.

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**Sommario/riassunto**

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This book constitutes the refereed proceedings of the Third International Workshop on Mobile Agents for Telecommunication Applications, MATA 2001, held in Montreal, Canada in August 2001. The 26 revised full papers presented were carefully reviewed and selected for inclusion in the volume. Among the topics addressed are network management, mobile applications, nomadic computing, feature interaction, Internet applications, QoS management, policy-based management, interactive multimedia, tele-learning, and computer telephony integration.

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