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Soggetti	Artificial intelligence Information storage and retrieval systems Database management Application software Business information services Artificial Intelligence Information Storage and Retrieval Database Management Computer and Information Systems Applications IT in Business
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Nota di contenuto	Information Discovery and Management on the Internet -- Agent Technology from a NASA Perspective -- Digital City Kyoto: Towards a Social Information Infrastructure -- Autonomous Search for Information in an Unknown Environment -- Resource Management in Agent-based Distributed Environments -- Information Agents on the Internet - Prototypes, Systems and Applications -- A Multi-agent Architecture for an Intelligent Website in Insurance -- Formation of Cooperative Behavior among Information Agents in Web Repository Change Monitoring Service -- GETESS—Searching the Web Exploiting German Texts -- An Agent Based System for Intelligent Collaborative Filtering -- Communication and Collaboration -- Inter-Agent Communication in

Cooperative Information Agent-Based Systems -- Intention Reconciliation in the Context of Teamwork: An Initial Empirical Investigation -- A Similarity Evaluation Technique for Cooperative Problem Solving with a Group of Agents -- A Computational Model for a Cooperating Agent System -- Mobile Information Agents -- Mobile Agents Behaviours: From Declarative Specifications to Implementation -- Maintaining Specialized Search Engines through Mobile Filter Agents -- Execution Monitoring in Adaptive Mobile Agents -- Mobile-Agent Mediated Place Oriented Communication -- Rational Information Agents for Electronic Business -- Agents and Electronic Commerce: Mechanisms and Protocols (Abstract) -- The Role of Agent Technology in Business to Business Electronic Commerce -- An Agency-Based Framework for Electronic Business -- Secure Agent-Mediated Auctionlike Negotiation Protocol for Internet Retail Commerce -- Service Mediation and Negotiation -- Semantic Information Brokering: How Can a Multi-agent Approach Help? -- Arbitration and Matchmaking for Agents with Conflicting Interests -- Enabling Integrative Negotiations by Adaptive Software Agents -- Adaptive, Personal Assistance -- An Adaptive Conversational Interface for Destination Advice -- Anticipation Delegation, and Demonstration: Why Talking to Agents Is Hard -- A Cooperative Comprehension Assistant for Intranet-Based Information Environments.

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Sommario/riassunto

This book constitutes the refereed proceedings of the Third International Workshop on Cooperative Information Systems, CIA'99, held in Uppsala, Sweden in July/August 1999. The 16 revised full papers presented were carefully reviewed and selected from a total of 46 submissions. Also included are ten invited contributions by leading experts. The volume is divided in sections on information discovery and management on the Internet; information agents on the Internet-prototypes systems and applications; communication and collaboration, mobile information agents; rational information agents for electronic business; service mediation and negotiation; and adaptive personal assistance.

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