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Soggetti	Computer communication systems Artificial intelligence Application software Information technology Business—Data processing Electrical engineering Computer Communication Networks Artificial Intelligence Information Systems Applications (incl. Internet) IT in Business Communications Engineering, Networks
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Ad-hoc Networks and Applications -- Topology Discovery in ad hoc Wireless Networks Using Mobile Agents -- Mobile Code, Adaptive Mobile Applications, and Network Architectures -- Toward a Mobile Work Environment -- Network Management -- Handling Subscription in a Mobile Agent Based Service Environment for Internet Telephony: Swapping Agents -- Mobile Network Domain Agency for Managing Network Resources -- Partitioning Applications with Agents -- Evaluating the Network Performance Management Based on Mobile Agents -- Architecture and Methodologies —1 -- Visualizing Mobile Agent Executions -- Towards Policy-Driven Agent System Development

and Management -- Modeling an OMG-MASIF Compliant Mobile Agent Platform with the RM-ODP Engineering Language -- Active Networks -- Active Networks for IPv6 Communication Redirection -- An Agent-Inspired Active Network Resource Trading Model Applied to Congestion Control -- On Synchronization in a Mobile Environment -- YAAP: Yet Another Active Platform -- Agent-Based Applications -- Searching for Music with Agents -- Use of Mobile Agents for IPR Management and Negotiation -- The Effects of Mobile Agent Performance on Mp3 Streaming Applications -- Semi-trusted Hosts and Mobile Agents: Enabling Secure Distributed Computations -- Architecture and Methodologies —2 -- Nomadic Users' Support in the MAP Agent Platform -- Keyphrase-Based Information Sharing in the ACORN Multi-agent Architecture -- Agents Based Implementation of Personalised News Delivery Service.

Sommario/riassunto

Mobile agents refer to self-contained and identi?able computer programs that can move within the network and can act on behalf of the user or another entity. Most of the current research work on the mobile agent paradigm has two general goals: reduction of network traf?c and asynchronous interaction. These two goals stem directly from the desire to reduce information overload and to ef?ciently use network resources. There are certainly many motivations for the use of a mobile agent paradigm; h- ever, intelligent information retrieval, network and mobility management, and network services are currently the three most cited application targets for a mobile agent system. The aim of the workshop is to provide a unique opportunity for researchers, software and application developers, and computer network technologists to discuss new dev- opments in the mobile agent technology and applications. After last year's very successful workshop in Ottawa, Canada (110 attendees), this year's workshop will focus on mobile agent issues across the areas of network m- agement, mobile applications, nomadic computing, e-commerce, ad-hoc networks and applications, feature interactions, Internet applications, QoS management, policybased management, interactive multimedia, and computer–telephony integration.