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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Agents and Peer-to-Peer Computing: A Promising Combination of Paradigms -- Agents and Peer-to-Peer Computing: A Promising Combination of Paradigms -- Peer-to-Peer Services -- Peer-to-Peer Computing for Information Systems -- Peer Services: From Description to Invocation -- Execution Environment of Peer-to-Peer Services in a Mobile Environment -- Discovery and Delivery of Trustworthy Services -- An Agent-Based Approach for Trustworthy Service Location --

Trust-Aware Delivery of Composite Goods -- Engineering an Agent-Based Peer-to-Peer Resource Discovery System -- Search and Cooperation in Peer-to-Peer Agent Systems -- Peer-to-Peer Paradigm for a Semantic Search Engine -- Modeling and Evaluating Cooperation Strategies in P2P Agent Systems -- A Distributed Implementation of the SWAN Peer-to-Peer Look-Up System Using Mobile Agents -- HyperCuP — Hypercubes, Ontologies, and Efficient Search on Peer-to-Peer Networks -- Messor: Load-Balancing through a Swarm of Autonomous Agents -- Posters -- Market Models for P2P Content Distribution -- The Resource Management Framework: A System for Managing Metadata in Decentralized Networks Using Peer-to-Peer Technology -- Using an O-Telos Peer to Provide Reasoning Capabilities in an RDF-Based P2P-Environment -- A Mobile Multi-agent System for Distributed Computing -- Implementation of a Micro Web Server for Peer-to-Peer Applications.

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### Sommario/riassunto

Peer-to-peer (P2P) computing is currently attracting enormous public attention, spurred by the popularity of file-sharing systems such as Napster, Gnutella, and Morpheus. In P2P systems a very large number of autonomous computing nodes, the peers, rely on each other for services. P2P networks are emerging as a new distributed computing paradigm because of their potential to harness the computing power of the hosts composing the network, and because they make their underutilized resources available to each other. This book brings together three especially commissioned invited articles, an introduction, and revised versions of the papers presented at the 1st International Workshop on Agents and Peer-to-Peer Computing, AP2PC 2002, held in Bologna, Italy in July 2002. The book is organized into topical sections on peer-to-peer services, discovery and delivery of trustworthy services, and search and cooperation in peer-to-peer agent systems.

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