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Soggetti	Computer communication systems Artificial intelligence Database management Information storage and retrieval Application software Information technology Business—Data processing Computer Communication Networks Artificial Intelligence Database Management Information Storage and Retrieval Information Systems Applications (incl. Internet) IT in Business
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Contributions -- Agents, Crawlers, and Web Retrieval -- Intelligent Interfaces for Information Agents: Systems, Experiences, Future Challenges -- Electronic Institutions: Future Trends and Challenges -- Making Peer Databases Interact — A Vision for an Architecture Supporting Data Coordination -- Information Agents for Mobile Computing Environments -- Tourists on the Move -- An Agent-based Approach for Helping Users of Hand-Held Devices to Browse

Software Catalogs -- Large Scale Peer-to-Peer Experiments with Virtual Private Community (VPC) Framework -- Issues of Interaction and Negotiation -- A Cognitive Architecture for the Design of an Interaction Agent -- A Multi-agent Reflective Architecture for User Assistance and Its Application to E-commerce -- Curious Negotiator -- Measuring Behaviour-Based Trust between Negotiating Agents -- Information Gathering and Collaborative Filtering -- Acquiring an Optimal Amount of Information for Choosing from Alternatives -- A Competitive Information Recommendation System and Its Behavior -- Agents That Model and Learn User Interests for Dynamic Collaborative Filtering -- Opinion-Based Filtering through Trust -- Agent-Based Information and Knowledge Management -- Data Models and Languages for Agent-Based Textual Information Dissemination -- Integrating Distributed Information Sources with CARROT II -- Distributed Artificial Intelligence for Distributed Corporate Knowledge Management -- Integrating Information Gathering and Problem-Solving in Open Environments -- Supporting Virtual Organisations Using BDI Agents and Constraints -- Issues of Agent Communication and Cooperation -- An Approach to Agent Communication Based on Organisational Roles -- Exploiting Partially Shared Ontologies for Multi-agent Communication -- Evaluation of Distributed and Centralized Agent Location Mechanisms -- Exchanging and Combining Temporal Information in a Cooperative Environment -- Issues of Information Agent Mobility -- Programming Agent Mobility -- A Method for Protecting Mobile Agents against Denial of Service Attacks -- Threshold Route Optimization Algorithm for Information Retrieving Mobile Agents.

Sommario/riassunto

These are the proceedings of the Sixth International Workshop on Cooperative Information Agents (CIA 2002), held at the Universidad de Rey Juan Carlos in Madrid, Spain, September 18–20, 2002. It was colocated with the Third International Workshop on Engineering Societies in the Agents World (ESAW 2002). Since 1997 the annual CIA workshop series has aimed to provide an open forum for all parties interested in the research and development of intelligent information agents for the Internet and Web. Each event in this renowned series attempts to capture the intrinsic interdisciplinary nature of this research area by calling for contributions from different research communities, and by promoting open and informative discussions on all related topics. In keeping with its tradition, this year's workshop featured a sequence of regular and invited talks of excellence given by leading experts in the fields related to information agent technology. These talks covered a broad area of topics of interest, such as information agents for mobile computing environments as well as information gathering, exchange, management, and collaborative recommender systems. Other topics included agent interaction and communication, negotiation strategies for purchasing relevant information, and agent-based distributed knowledge management.
