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Collana	Lecture Notes in Artificial Intelligence ; ; 2663
Disciplina	004.67/8
Soggetti	Artificial intelligence Information storage and retrieval systems Computer science Information systems Popular Computer Science Artificial Intelligence Information Storage and Retrieval Information Systems Applications (incl. Internet) User Interfaces and Human Computer Interaction Computer Appl. in Administrative Data Processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Invited Speakers -- Toward Web Intelligence -- From Search Engines to Question-Answering Systems — The Need for New Tools -- Artificial Intelligence Techniques in Retrieval of Visual Data Semantic Information -- General Session -- A Framework to Integrate Business Goals in Web Usage Mining -- Clustered Organized Conceptual Queries in the Internet Using Fuzzy Interrelations -- Collaborative Filtering Using Interval Estimation Naïve Bayes -- DJ-Boids: Flocks of DJ's to Program Internet Multichannel Radio Stations -- Evaluating the Informative Quality of Web Sites by Fuzzy Computing with Words -- Mining Association Rules Using Fuzzy Inference on Web Data -- The “Who Is It?” Problem Application for Customizable Web Sites -- Using Case-

Based Reasoning to Improve Information Retrieval in Knowledge Management Systems -- Web Page Classification: A Soft Computing Approach -- Special Session: Web Security -- Content-Based Methodology for Anomaly Detection on the Web -- Designing Reliable Web Security Systems Using Rule-Based Systems Approach -- Secure Intelligent Agents Based on Formal Description Techniques -- Special Session: Semantic Web -- A Natural Language Interface for Information Retrieval on Semantic Web Documents -- Conceptual User Tracking -- Coping with Web Knowledge -- Formalization of Web Design Patterns Using Ontologies -- Special Session: Web Authoring and Design -- A Multi-agent System for Web Document Authoring -- On the Vague Modelling of Web Page Characteristics Regarding Usability -- Semantic Interoperability Based on Ontology Mapping in Distributed Collaborative Design Environment -- The Use of Data Mining Techniques to Classify Styles and Types of Web-Based Information: Generation of Style Sheets Using Data Mining -- Special Session: Web Information Retrieval -- Building Topic Profiles Based on Expert Profile Aggregation -- Carrot2 and Language Properties in Web Search Results Clustering -- Practical Evaluation of Textual Fuzzy Similarity as a Tool for Information Retrieval -- Rough — Fuzzy Reasoning for Customized Text Information Retrieval -- Special Session: Agents for the Web -- A Machine Learning Based Evaluation of a Negotiation between Agents Involving Fuzzy Counter-Offers -- Autonomous Agents to Support Interoperability and Physical Integration in Pervasive Environments -- Feature Selection Algorithms to Improve Documents' Classification Performance -- ROSA — Multi-agent System for Web Services Personalization -- Supporting Software Maintenance in Web Repositories through a Multi-agent System -- Special Session: User Behavior -- A Hybrid Method for Patterns Mining and Outliers Detection in the Web Usage Log -- Analysis of User's Behaviour in Very Large Business Application Systems with Methods of the Web Usage Mining — A Case Study on SAP® R/3® -- Automation of the Deep Web with User Defined Behaviours.

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#### Sommario/riassunto

We are pleased to present the proceedings of the 2003 Atlantic Web Intelligence Conference, AWIC 2003. The conference was located in Madrid, Spain during May 5–6, 2003, organized locally by the Technical University of Madrid. AWIC 2003 aimed to be the first of a series of conferences on Web Intelligence, to be celebrated annually, alternatively in Europe and America, starting in Madrid. It was born as an activity of the recently created WIC-Poland Research Centre and the WIC-Spain Research Centre, both belonging to the Web Intelligence Consortium (WIC) (<http://wiconsortium.org>). AWIC 2003 was supported with grants from the Spanish Ministry for Science and Technology and the European Network of Excellence in Knowledge Discovery, KDNet. AWIC 2003 brought together scientists, engineers, computer users, and students to exchange and share their experiences, new ideas, and research results about all aspects (theory, applications, and tools) of artificial intelligence techniques applied to Web-based systems, and to discuss the practical challenges encountered and the solutions adopted. Almost 70 contributions were submitted. After a preliminary evaluation, 60 of these papers were accepted to the conference and were assigned at least two reviewers from the international program committee. Out of this 60, 33 were conditionally accepted, and 32 of them were finally accepted after the conditions set by the reviewers had been met, which resulted in an acceptance ratio of 45%.

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