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	Nota di contenuto	Invited Talks -- Exploiting Large-Scale Semantics on the Web -- Acquiring and Sharing Knowledge in Large Organizations: Issues, Requirements and Methodologies -- Agents -- Property Based Coordination -- A Formal General Setting for Dialogue Protocols -- OCC's Emotions: A Formalization in a BDI Logic -- Constraints and Optimization -- A Boolean Encoding Including SAT and n-ary CSPs -- A Constructive Hybrid Algorithm for Crew Pairing Optimization -- Using Local Search for Guiding Enumeration in Constraint Solving -- User Concerns -- Study on Integrating Semantic Applications with Magpie -- N-Gram Feature Selection for Authorship Identification -- Incorporating Privacy Concerns in Data Mining on Distributed Data -- Decision

Support -- Multiagent Approach for the Representation of Information in a Decision Support System -- Flexible Decision Making in Web Services Negotiation -- On a Unified Framework for Sampling With and Without Replacement in Decision Tree Ensembles -- Models and Ontologies -- Spatio-temporal Proximities for Multimedia Document Adaptation -- Deep into Color Names: Matching Color Descriptions by Their Fuzzy Semantics -- Developing an Argumentation Ontology for Mailing Lists -- Machine Learning -- Clustering Approach Using Belief Function Theory -- Machine Learning for Spoken Dialogue Management: An Experiment with Speech-Based Database Querying -- Exploring an Unknown Environment with an Intelligent Virtual Agent -- Ontology Manipulation -- Case-Based Reasoning Within Semantic Web Technologies -- A Proposal for Annotation, Semantic Similarity and Classification of Textual Documents -- Cooking an Ontology -- Natural Language Processing -- Methodology for Bootstrapping Relation Extraction for the Semantic Web -- Using Verbs to Characterize Noun-Noun Relations -- Applications -- BEATCA:Map-Based Intelligent Navigation in WWW -- Model-Based Monitoring and Diagnosis Chip for Embedded Systems -- A Knowledge-Based Approach for Automatic Generation of Summaries of Behavior -- INFRAWEBS Designer – A Graphical Tool for Designing Semantic Web Services.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 12th International Conference on Artificial Intelligence: Methodology, Systems, and Applications, AIMSA 2006. The 28 revised full papers presented together with the abstracts of 2 invited lectures were carefully reviewed and selected from 81 submissions. The papers are organized in topical sections on agents, constraints and optimization, user concerns, decision support, models and ontologies, machine learning, ontology manipulation, natural language processing, and applications. |