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	Soggetti	Computer programming
		Computer simulation
		Natural language processing (Computer science)
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		Programming Techniques
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	Nota di contenuto	Knowledge Representation -- Topology and Knowledge of Multiple Agents -- A Propositional Dynamic Logic Approach for Order of Magnitude Reasoning -- Quantum-Based Belief Merging -- Planning and Scheduling -- A Study of Schedule Robustness for Job Shop with Uncertainty -- A Synergy of Planning and Ontology Concept Ranking for Semantic Web Service Composition -- Towards the Use of XPDL as Planning and Scheduling Modeling Tool: The Workflow Patterns Approach -- Constraint Satisfaction and Optimization -- A Heuristic Method for Balanced Graph Partitioning: An Application for the Demarcation of Preventive Police Patrol Areas -- Using Indexed Finite

Set Variables for Set Bounds Propagation -- Probabilistic Reasoning -- Extension of Bayesian Network Classifiers to Regression Problems -- Transfer Learning for Bayesian Networks -- Machine Learning -- A Dipolar Competitive Neural Network for Video Segmentation -- Geodesic Generative Topographic Mapping -- Rough Evolutionary Fuzzy System Based on Interactive T-Norms -- K-Means Initialization Methods for Improving Clustering by Simulated Annealing -- Data Reduction Method for Categorical Data Clustering -- A Multi-measure Nearest Neighbor Algorithm for Time Series Classification -- Detection of Anomalies in Large Datasets Using an Active Learning Scheme Based on Dirichlet Distributions -- The SKM Algorithm: A K-Means Algorithm for Clustering Sequential Data -- Multiagent Systems -- Ensuring Time in Real-Time Commitments -- Hybrid Multi-agent Architecture (HoCa) Applied to the Control and Supervision of Patients in Their Homes -- Mixing Greedy and Evolutive Approaches to Improve Pursuit Strategies -- The Evolution of Negotiation and Impasse in Two-Party Multi-issue Bargaining -- Characters with Character -- Natural Language Processing -- Automatic Generalizationof a QA Answer Extraction Module Based on Semantic Roles -- A Multilingual Application for Automated Essay Scoring -- Combining Frequent and Discriminating Attributes in the Generation of Definite Descriptions -- A Machine Learning Approach to Portuguese Pronoun Resolution -- Text Classification on Embedded Manifolds -- An Improved Connectionist Translator between Natural Languages -- Intelligent Information Systems and NLP -- A Framework for Information Retrieval Based on Fuzzy Relations and Multiple Ontologies -- Recommendation System for Automatic Recovery of Broken Web Links -- Conceptual Subtopic Identification in the Medical Domain -- Real-Time Open-Domain QA on the Portuguese Web -- Hyponymy Extraction and Web Search Behavior Analysis Based on Query Reformulation -- Semantics of Place: Ontology Enrichment -- Explicit Dynamic User Profiles for a Collaborative Filtering Recommender System -- Text Retrieval through Corrupted Queries -- Robotics -- Dynamic Velocity Field Angle Generation for Obstacle Avoidance in Mobile Robots Using Hydrodynamics -- Motion Planning for Cooperative Multi-robot Box-Pushing Problem -- Multi-robot Exploration and Mapping Using Self Biddings -- Coordinated Multi-robot Exploration with SRT-Radial -- On the Selection of a Classification Technique for the Representation and Recognition of Dynamic Gestures -- Applications -- A Fuzzy Hybrid Intelligent System for Human Semen Analysis -- Genetic Programming for Predicting Protein Networks -- Fragmentation and Frontier Evolution for Genetic Algorithms Optimization in Music Transcription -- Applying Genetic Programming to Civil Engineering in the Improvement of Models, Codes and Norms.

Sommario/riassunto	This book constitutes the refereed proceedings of the 11th Ibero-American Conference on Artificial Intelligence, IBERAMIA 2008, held in Lisbon, Portugal, in October 2008. The 46 papers presented were carefully reviewed and selected from 147 submissions. The papers are organized in topical sections on Knowledge Representation; Planning and Scheduling; Constraint Satisfaction and Optimization; Probabilistic Reasoning; Machine Learning; Multiagent Systems; Natural Language Processing; Intelligent Information Systems and NLP; Robotics; and Applications.