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	Nota di contenuto	Invited Talk -- Preferences in Answer Set Programming -- Selected Papers from the 11th Conference of the Spanish Association for Artificial Intelligence (CAEPIA 2005) -- 3D Robot Mapping: Combining Active and Non Active Sensors in a Probabilistic Framework -- A Flipping Local Search Genetic Algorithm for the Multidimensional 0-1 Knapsack Problem -- A Hierarchical Pattern Matching Procedure for Signal Abstraction -- A Meta-Reasoning Model for Hard Real-Time Agents -- A Scheduling Order-Based Method to Solve Timetabling Problems -- A Topological-Based Method for Allocating Sensors by Using CSP Techniques -- Adapting the Point of View for Behavior-Based Navigation -- Agent Based Simulation for Social Systems: From Modeling to Implementation -- Agent Behavior Representation in INGENIAS -- Agent-Based Modeling of Social Complex Systems -- Agent-Based Solutions for Natural Language Generation Tasks -- An

Autonomous and User-Independent Hand Posture Recognition System for Vision-Based Interface Tasks -- An Effective Robotic Model of Action Selection -- An Evaluation Method with Imprecise Information for Multi-attribute Decision Support -- Classification Algorithms for Biomedical Volume Datasets -- Coalition Formation in P2P File Sharing Systems -- Combining Human Perception and Geometric Restrictions for Automatic Pedestrian Detection -- Comparative Analysis of Artificial Neural Network Training Methods for Inverse Kinematics Learning -- Comparison of Heuristics in Multiobjective A* Search -- Contour-Based Shape Retrieval Using Dynamic Time Warping -- Diagnosing Errors in DbC Programs Using Constraint Programming -- Early Fault Classification in Dynamic Systems Using Case-Based Reasoning -- Face Description for Perceptual User Interfaces -- Genetic Algorithms Hybridized with Greedy Algorithms and Local Search over the Spaces of Active and Semi-active Schedules -- Hebbian Iterative Method for Unsupervised Clustering with Automatic Detection of the Number of Clusters with Discrete Recurrent Networks -- Heuristic Perimeter Search: First Results -- Image Disorder Characterization Based on Rate Distortion -- Improving the Computational Efficiency in Symmetrical Numeric Constraint Satisfaction Problems -- Inferring Multidimensional Cubes for Representing Conceptual Document Spaces -- Internal Categories with Irregular Geometry and Overlapping in ART Networks -- Legal Ontologies for the Spanish e-Government -- Mapping Conformant Planning into SAT Through Compilation and Projection -- Multiagent Architecture for Monitoring the North-Atlantic Carbon Dioxide Exchange Rate -- Music Knowledge Analysis: Towards an Efficient Representation for Composition -- Mutual Information Based Measure for Image Content Characterization -- Nonlinear Mappings with Cellular Neural Networks -- On the Use of Entropy Series for Fade Detection -- Order of Magnitude Qualitative Reasoning with Bidirectional Negligibility -- Propagating Updates in Real-Time Search: HLRTA*(k) -- Real Time Image Segmentation Using an Adaptive Thresholding Approach -- Scheduling a Plan with Delays in Time: A CSP Approach -- Sliding Mode Control of a Wastewater Treatment Plant with Neural Networks -- Techniques for Recognizing Textual Entailment and Semantic Equivalence -- Temporal Enhancements of an HTN Planner -- The Multi-Team Formation Defense of Teamwork -- Tokenising, Stemming and Stopword Removal on Anti-spam Filtering Domain -- Toward a Motivated BDI Agent Using Attributes Embedded in Mental States -- Training and Analysis of Mobile Robot Behaviour Through System Identification.