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Nota di contenuto	Title Page; Conference Organization; Preface; Contents; Invited Talks; Integration of Planning and Reasoning into an Architecture that Enables Model-Driven Development; From the Turing Test to Science Fiction: The Challenges of Social Robotics; Relational Learning; An Approach to Re-Representation in Relational Learning; Graph Constrained Label Propagation on Water Supply Networks; Hierarchical Inference Applied to Cyc; Planning, Satisfiability and Constraints; Comparison of MOMDP and Heuristic Methods to Play Hide-and-Seek; Forward-Chaining Planning with a Flexible Least-Commitment Strategy A Max-SAT-Based Approach to Constructing Optimal Covering ArraysSolving Routing and Wavelength Assignment Problem with Conflict-Driven ASP Solvers; Perception and Image Processing; Selection of Gabor Filters with Choquet Integral for Texture Analysis in Mammogram Images; Towards Cognitive Image Interpretation - Qualitative Descriptors, Domain Knowledge and Narrative Generation; Large-Scale Image Classification Using Ensembles of Nested Dichotomies; Automatic Hand Detection in RGB-Depth Data Sequences; Granular Computing for Gait Recognition Through Singular Spectrum

Analysis

Quantitative Analysis of Non-Verbal Communication for Competence Analysis
Closed Contour Shape Descriptors with High Compression Properties Based on the Discrete Hartley Transform; Preprocessing; External Validity Indices for Unsupervised Feature Selection; An Experimental Features Selection Approach in a Multiclass Classifier; Vector Space Model Anonymization; Semi-Supervised Learning with Partial Domain Models; Patterns Extraction in Data Mining, Modelling, Learning, Soft-Computing and Hybrid Approaches; The Architecture of a Churn Prediction System Based on Stream Mining
Improving Early Diagnosis of Alzheimer's Disease Using Synchrony Measures
Kernel Functions for Categorical Variables with Application to Problems in the Life Sciences; Introducing a 'Difficult Factor' for Dataset Bi-Classification Using SVM; Towards the Development of the Smart Grid: Fast Electricity Load Forecasting Using Different Hybrid Approaches; Automatic Trend Line Generation for Time-Series Analysis: A Graphical Approach; Finding Patterns in Cognitive Rehabilitation; An Efficient Closed Frequent Itemset Miner for the MOA Stream Mining System
Post-Processing, Model Interpretability and Decision Support
Post-Processing the Class Panel Graphs: Towards Understandable Patterns from Data; Natural Language-Based Automatic Qualitative Description of Clusters; The Use of NLP Interchange Format for Question Answering in Organizations; Annotated-Traffic Lights Panel as a Tool to Evaluate the Risk of Decisions Based on Prototypes; Cartogram-Based Data Visualization Using the Growing Hierarchical SOM; Analysis of GPR Data Through Interpretation of Pre-Processed Images Obtained by a Multi-Agent Approach to Identify Pipes in Water Supply Systems
Recommenders, Similarity and CBR

Sommario/riassunto

For almost twenty years the Catalan Association of Artificial Intelligence (ACIA) has been promoting cooperation between researchers in artificial intelligence within the Catalan speaking community. This book presents the proceedings of the 16th International Conference (CCIA 2013), held at the University of Vic (UVIC), Catalonia, Spain, in October 2013. This annual conference aims to foster discussion of the latest developments in artificial intelligence within the community of Catalan countries, as well as amongst members of the AI community worldwide. The book contains the 26 full papers, 5 s
