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Collana	Lecture Notes in Artificial Intelligence ; ; 7691
Disciplina	006.3
Soggetti	Artificial intelligence Algorithms Application software Computers Information storage and retrieval Optical data processing Artificial Intelligence Algorithm Analysis and Problem Complexity Information Systems Applications (incl. Internet) Computation by Abstract Devices Information Storage and Retrieval Image Processing and Computer Vision
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Agents -- Measuring the Performance of Online Opponent Models in Automated Bilateral Negotiation -- Optimistic Agents Are Asymptotically Optimal -- An Enhanced Multi-Agent System with Evolution Mechanism to Approximate Physarum Transport Networks -- Applications Predicting Shellfish Farm Closures with Class Balancing Methods -- Automatic Han Chinese Folk Song Classification Using Extreme Learning Machines -- People-to-People Recommendation Using Multiple Compatible Subgroups -- Automatic Scoring of

Erythema and Scaling Severity in Psoriasis Diagnosis -- A Multilayered Ensemble Architecture for the Classification of Masses in Digital Mammograms -- Refined Distractor Generation with LSA and Stylometry for Automated Multiple Choice Question Generation -- A New Genetic Algorithm for Simplified Protein Structure Prediction -- Generating Realistic Online Auction Data -- Computer Vision A Robust Global Motion Estimation for Digital Video Stabilization -- Automatic Construction of Invariant Features Using Genetic Programming for Edge Detection -- An Abstract Deep Network for Image Classification -- A Dynamic Approach for Detecting Naturalistic Affective States from Facial Videos during HCI -- Constraints and Search -- A Self-adaptive Differential Evolution Algorithm with Constraint Sequencing -- On the Violation of Circuits in Decomposable Negation Normal Form -- The RegularGcc Matrix Constraint -- A Method to Avoid Duplicative Flipping in Local Search for SAT -- Anytime Algorithms for Biobjective Heuristic Search -- ICHEA for Discrete Constraint Satisfaction Problems -- Anytime Column Search -- Evolutionary Computation Genetic Programming for Biomarker Detection in Mass Spectrometry Data -- An Evolutionary Approach for the Design of Autonomous Underwater Vehicles -- Unsupervised Learning of Mutagenesis Molecules Structure Based on an Evolutionary-Based Features Selection in DARA -- Inference of a Phylogenetic Tree: Hierarchical Clustering versus Genetic Algorithm -- A Dimension Reduction Approach to Classification Based on Particle Swarm Optimisation and Rough Set Theory -- Evolving Plastic Neural Networks for Online Learning: Review and Future Directions -- A Multimodal Problem for Competitive Coevolution -- XCSR with Computed Continuous Action -- A Memetic Algorithm for Efficient Solution of 2D and 3D Shape Matching Problems -- Local Search in Parallel Linear Genetic Programming for Multiclass Classification -- Game Playing -- Opponent's Style Modeling Based on Situations for Bayesian Poker -- Game Designers Training First Person Shooter Bots -- Games with Ambiguous Payoffs and Played by Ambiguity and Regret Minimising Players -- Information Retrieval Query Expansion Powered by Wikipedia Hyperlinks -- Constrained Grouped Sparsity -- Reverse Active Learning for Optimising Information Extraction Training Production -- Adopting Relevance Feature to Learn Personalized Ontologies -- Towards Domain Independent Why Text Segment Classification Based on Bag of Function Words -- Knowledge Representation A Delayed Splitting Bottom-Up Procedure for Model Generation -- A Goal-Oriented Algorithm for Unification in ELHR+ w.r. t. Cycle-Restricted Ontologies -- Normal Modal Preferential Consequence -- Trust in Context -- Complex Analogies: Remarks on the Complexity of HDTP -- A General Representation and Approximate Inference Algorithm for Sensing Actions -- Systematicity, Accessibility, and Universal Properties -- RDL: Enhancing Description Logic with Rules -- Machine Learning Approximate Document Outlier Detection Using Random Spectral Projection -- Exploration / Exploitation Trade-Off in Mobile Context-Aware Recommender Systems -- Simultaneous Interval Regression for K-Nearest Neighbor -- Kernel-Tree: Mining Frequent Patterns in a Data Stream Based on Forecast Support -- An Empirical Comparison of Two Common Multiobjective Reinforcement Learning Algorithms -- A Comparative Study of Sampling Methods and Algorithms for Imbalanced Time Series Classification -- An Efficient Adversarial Learning Strategy for Constructing Robust Classification Boundaries -- Signal Selection for Sleep Apnea Classification -- Minimum Message Length Inference and Mixture Modelling of Inverse Gaussian Distributions -- A Probabilistic Least Squares Approach to Ordinal Regression -- Bagging Ensemble Selection for Regression --

Fixed Frame Temporal Pooling -- DIKEA: Domain-Independent Keyphrase Extraction Algorithm -- Evolving Event Detectors in Multi-channel Sensor Data -- Improving Classification Accuracy on Uncertain Data by Considering Multiple Subclasses -- Planning and Scheduling -- Hierarchical Multi-agent Distribution Planning -- Generating Project Plans for Data Center Transformations -- Planning with Action Prioritization and New Benchmarks for Classical Planning -- Efficient Solution of Capacitated Arc Routing Problems with a Limited Computational Budget -- Block-Structured Plan Deordering -- Ride-Sharing: A Multi Source-Destination Path Planning Approach -- Robotics -- A Novel Approach to Ball Detection for Humanoid Robot Soccer -- Analysis of Cluster Formation Techniques for Multi-robot Task Allocation Using Sequential Single-Cluster Auctions -- On-Line Model-Based Continuous State Reinforcement Learning Using Background Knowledge -- Uncertainty in AI -- A Novel D-S Theory Based AHP Decision Apparatus under Subjective Factor Disturbances -- MML Logistic Regression with Translation and Rotation Invariant Priors -- Probabilistic Model-Based Assessment of Information Quality in Uncertain Domains -- Causal Discovery of Dynamic Bayesian Networks.

Sommario/riassunto

This book constitutes the refereed proceedings of the 25th Australasian Joint Conference on Artificial Intelligence, AI 2012, held in Sydney, Australia, in December 2012. The 76 revised full papers presented were carefully reviewed and selected from 196 submissions. The papers address a wide range of agents, applications, computer vision, constraints and search, game playing, information retrieval, knowledge representation, machine learning, planning and scheduling, robotics and uncertainty in AI.
