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Altri autori (Persone)	NicholsonAnn <1943-> LiXiaodong <1968->
Disciplina	004n/a
Soggetti	Artificial intelligence Computer science Data mining Information storage and retrieval systems Natural language processing (Computer science) User interfaces (Computer systems) Human-computer interaction Artificial Intelligence Theory of Computation Data Mining and Knowledge Discovery Information Storage and Retrieval Natural Language Processing (NLP) User Interfaces and Human Computer Interaction
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Agents -- Experimental Market Mechanism Design for Double Auction -- Model Checking Games for a Fair Branching-Time Temporal Epistemic Logic -- Multistage Fuzzy Decision Making in Bilateral Negotiation with Finite Termination Times -- Simple Default Reasoning in Theories of Action -- From My Agent to Our Agent: Exploring Collective Adaptive Agent via Barnga -- AI Applications --

Classification of EEG for Affect Recognition: An Adaptive Approach --  
Effect of Experimental Factors on the Recognition of Affective Mental  
States through Physiological Measures -- A Distance Measure for  
Genome Phylogenetic Analysis -- Pattern Prediction in Stock Market --  
Balancing Workload in Project Assignment -- Topical Analysis for  
Identification of Web Communities -- Collaborative-Comparison  
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Graph Neuron (DHGN) Approach in Wireless Sensor Network -- Square  
Root Unscented Particle Filtering for Grid Mapping -- Computer Vision  
and Image Processing -- Towards Automatic Image Segmentation  
Using Optimised Region Growing Technique -- Texture Detection Using  
Neural Networks Trained on Examples of One Class -- Learning and  
Recognition of 3D Visual Objects in Real-Time -- Learning Motion  
Detectors by Genetic Programming -- Information-Theoretic Image  
Reconstruction and Segmentation from Noisy Projections -- Belief  
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Face Image Enhancement via Principal Component Analysis -- Data  
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Model for Web Page Popularity and Website Influence -- Classifying  
Multiple Imbalanced Attributes in Relational Data -- Algorithms for the  
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Policies for Episodic Multiobjective Reinforcement Learning Tasks --  
Enhancing MML Clustering Using Context Data with Climate  
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-- Novel Memetic Algorithm for Protein Structure Prediction --  
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Behavior: A Dynamic Logic Approach -- Natural Language and Speech

Processing -- Restoring Punctuation and Casing in English Text -- A Novel Connectionist Network for Solving Long Time-Lag Prediction Tasks -- An Abstraction-Based Data Model for Information Retrieval -- Vietnamese Document Representation and Classification -- Can Shallow Semantic Class Information Help Answer Passage Retrieval? -- English Article Correction System Using Semantic Category Based Inductive Learning Rules -- Towards Interpreting Task-Oriented Utterance Sequences -- Soft Computing -- Fuzzy Rank Linear Regression Model -- Numerical versus Analytic Synchronization in Small-World Networks of Hindmarsh-Rose Neurons -- Outline Capture of Images by Multilevel Coordinate Search on Cubic Splines -- User Modelling -- Aggregation Trade Offs in Family Based Recommendations -- Using Keyword-Based Approaches to Adaptively Predict Interest in Museum Exhibits -- Behaviour Recognition from Sensory Streams in Smart Environments -- Probabilistic Seeking Prediction in P2P VoD Systems.

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Sommario/riassunto

This book constitutes the refereed proceedings of the 22nd Australasian Joint Conference on Artificial Intelligence, AI 2009, held in Melbourne, Australia, in December 2009. The 68 revised full papers presented were carefully reviewed and selected from 174 submissions. The papers are organized in topical sections on agents; AI applications; computer vision and image processing; data mining and statistical learning; evolutionary computing; game playing; knowledge representation and reasoning; natural language and speech processing; soft computing; and user modelling.

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