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Collana	Lecture Notes in Artificial Intelligence ; ; 2313
Disciplina	006.3
Soggetti	Artificial intelligence Optical data processing Mathematical logic Computers Artificial Intelligence Image Processing and Computer Vision Mathematical Logic and Formal Languages Computation by Abstract Devices
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Robotics and Computer Vision -- Motion Planning for Car-Like Robots Using Lazy Probabilistic Roadmap Method -- A Vision System for Environment Representation: From Landscapes to Landmarks -- Adapting the Messy Genetic Algorithm for Path Planning in Redundant and Non-redundant Manipulators -- Navigation Advice from pq-Histograms -- Path Planning Using a Single-Query Bi-directional Lazy Collision Checking Planner -- An Exploration Approach for Indoor Mobile Robots Reducing Odometric Errors -- Feature Matching Using Accumulation Spaces -- On Selecting an Appropriate Colour Space for Skin Detection -- Heuristic Search and Optimization -- A Methodology for the Statistical Characterization of Genetic Algorithms -- MPSA: A Methodology to Parallelize Simulated Annealing and Its Application to

the Traveling Salesman Problem -- A Cultural Algorithm for Constrained Optimization -- Penalty Function Methods for Constrained Optimization with Genetic Algorithms: A Statistical Analysis -- Automatic Generation of Control Parameters for the Threshold Accepting Algorithm -- Genetic Algorithms and Case-Based Reasoning as a Discovery and Learning Machine in the Optimization of Combinational Logic Circuits -- Speech Recognition and Natural Language -- Time-Domain Segmentation and Labelling of Speech with Fuzzy-Logic Post-Correction Rules -- IL MT System. Evaluation for Spanish-English Pronominal Anaphora Generation -- Out-of-Vocabulary Word Modeling and Rejection for Spanish Keyword Spotting Systems -- The DIME Project -- Detecting Deviations in Text Collections: An Approach Using Conceptual Graphs -- Using Long Queries in a Passage Retrieval System -- Logic -- Object-Oriented Constraint Programming with J.CP -- A Hybrid Treatment of Evolutionary Sets -- Games and Logics of Knowledge for Multi-agent Systems -- Modelling Learners of a Control Task with Inductive Logic Programming: A Case Study -- Simple Epistemic Logic for Relational Database -- Solving Optimal Location of Traffic Counting Points at Urban Intersections in CLP(FD) -- Flexible Agent Programming in Linear Logic -- Neural Networks -- Sample Complexity for Function Learning Tasks through Linear Neural Networks -- Extracting Knowledge from Artificial Neural Networks: An Empirical Comparison of Trepan and Symbolic Learning Algorithms -- Improving Pattern Recognition Using Several Feature Vectors -- Learning Optimization in a MLP Neural Network Applied to OCR -- Machine Learning -- Applications of a Collaborative Learning Ontology -- Automated Case Generation from Databases Using Similarity-Based Rough Approximation -- On the Stability of Example-Driven Learning Systems: A Case Study in Multirelational Learning -- Sharpe Ratio-Oriented Active Trading: A Learning Approach -- Multiagent Systems -- A Framework for Social Agents' Interaction Based on Communicative Action Theory and Dynamic Deontic Logic -- Autonomous Agents for Ubiquitous Collaborative Environments -- A Framework for Agent Based Network Management Systems -- A Multi-agent Cooperative Intelligent Tutoring System: The Case of Musical Harmony Domain -- Reacting to Unexpected Events and Communicating in Spite of Mixed Ontologies -- Logic of Interaction for Multiagent Systems -- Towards a Model for an Immune System -- Uncertainty Management -- A New Measure for the Accuracy of a Bayesian Network -- FINDS: A Training Package to Assess Forensic Fibre Evidence -- Predictive Control Based on an Auto-regressive Neuro-fuzzy Model Applied to the Steam Generator Startup Process at a Fossil Power Plant -- Modeling Dynamical Causal Interactions with Fuzzy Temporal Networks for Process Operation Support Systems -- AI Tools and Applications -- Resection Simulation with Local Tissue Deformations for Computer Assisted Surgery of the Prostate -- Biometrics and Data Mining: Comparison of Data Mining-Based Keystroke Dynamics Methods for Identity Verification -- Qualitative Systems Identification for Linear Time Invariant Dynamic Systems -- Monitoring the Execution of an Intelligent Planning System -- A Structural Model of ECA Rules in Active Database -- Use of a Rule-Based System for Process Control: Flow Instabilities in Axial Compressors Case Study -- A Distributed Event Service for Adaptive Group Awareness -- Mining Road Accidents -- An Inference Engine for Web Adaptive Cooperative Work -- Faults Diagnosis in Industrial Processes with a Hybrid Diagnostic System.
