

1. Record Nr.	UNISA996465901203316
Titolo	Advances in Artificial Intelligence [[electronic resource] ] : 14th Biennial Conference of the Canadian Society for Computational Studies of Intelligence, AI 2001 Ottawa, Canada, June 7-9, 2001 Proceedings // edited by Eleni Stroulia, Stan Matwin
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2001
ISBN	3-540-45153-6
Edizione	[1st ed. 2001.]
Descrizione fisica	1 online resource (XII, 372 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 2056
Disciplina	006.3
Soggetti	Artificial intelligence Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	A Case Study for Learning from Imbalanced Data Sets -- A Case Study for Learning from Imbalanced Data Sets -- A Holonic Multi-agent Infrastructure for Electronic Procurement -- A Holonic Multi-agent Infrastructure for Electronic Procurement -- A Low-Scan Incremental Association Rule Maintenance Method Based on the Apriori Property -- A Low-Scan Incremental Association Rule Maintenance Method Based on the Apriori Property -- A Statistical Corpus-Based Term Extractor -- A Statistical Corpus-Based Term Extractor -- Body-Based Reasoning Using a Feeling-Based Lexicon, Mental Imagery, and an Object-Oriented Metaphor Hierarchy -- Body-Based Reasoning Using a Feeling-Based Lexicon, Mental Imagery, and an Object-Oriented Metaphor Hierarchy -- Combinatorial Auctions, Knapsack Problems, and Hill-Climbing Search -- Combinatorial Auctions, Knapsack Problems, and Hill-Climbing Search -- Concept-Learning in the Presence of Between-Class and Within-Class Imbalances -- Concept-Learning in the Presence of Between-Class and Within-Class Imbalances -- Constraint Programming Lessons Learned from Crossword Puzzles -- Constraint Programming Lessons Learned from Crossword Puzzles -- Constraint-Based Vehicle Assembly Line

Sequencing -- Constraint-Based Vehicle Assembly Line Sequencing --  
How AI Can Help SE; or: Randomized Search Not Considered Harmful --  
How AI Can Help SE; or: Randomized Search Not Considered Harmful --  
Imitation and Reinforcement Learning in Agents with Heterogeneous  
Actions -- Imitation and Reinforcement Learning in Agents with  
Heterogeneous Actions -- Knowledge and Planning in an Action-Based  
Multi-agent Framework: A Case Study -- Knowledge and Planning in an  
Action-Based Multi-agent Framework: A Case Study -- Learning about  
Constraints by Reflection -- Learning about Constraints by Reflection  
-- Learning Bayesian Belief Network Classifiers: Algorithms and System  
-- Learning Bayesian Belief Network Classifiers: Algorithms and System  
-- Local Score Computation in Learning Belief networks -- Local Score  
Computation in Learning Belief networks -- Personalized Contexts in  
Help Systems -- Personalized Contexts in Help Systems -- QA-LaSIE: A  
Natural Language Question answering system -- QA-LaSIE: A Natural  
Language Question answering system -- Search Techniques for Non-  
Linear Constraint Satisfaction Problems with Inequalities -- Search  
Techniques for Non-Linear Constraint Satisfaction Problems with  
Inequalities -- Searching for Macro Operators with Automatically  
Generated Heuristics -- Searching for Macro Operators with  
Automatically Generated Heuristics -- Solving Multiple-Instance and  
Multiple-Part Learning Problems with Decision Trees and Rule Sets.  
Application to the Mutagenesis Problem -- Solving Multiple-Instance  
and Multiple-Part Learning Problems with Decision Trees and Rule Sets.  
Application to the Mutagenesis Problem -- Stacking for  
Misclassification Cost Performance -- Stacking for Misclassification  
Cost Performance -- Stratified Partial-Order Logic Programming --  
Stratified Partial-Order Logic Programming -- The Importance of Being  
Discrete: Learning Classes of Actions and Outcomes through  
Interaction -- The Importance of Being Discrete: Learning Classes of  
Actions and Outcomes through Interaction -- User Interface Aspects of  
a Translation Typing System -- User Interface Aspects of a Translation  
Typing System -- Posters -- A Hybrid Approach to Making  
Recommendations and Its Application to the Movie Domain -- Agents  
with Genders for Inventory Planning in E-Management -- Agents with  
Genders for Inventory Planning in E-Management -- Évaluation d'un  
Système pour le Résumé Automatique de Documents Électroniques --  
Évaluation d'un Système pour le Résumé Automatique de Documents  
Électroniques -- On Obligations, Relativised Obligations, and Bilateral  
Commitments -- On Obligations, Relativised Obligations, and Bilateral  
Commitments -- Question Answering Using Unification-Based  
Grammar -- Question Answering Using Unification-Based Grammar --  
Solving the Traveling Salesman Problem Using the Enhanced Genetic  
Algorithm -- Solving the Traveling Salesman Problem Using the  
Enhanced Genetic Algorithm -- The Bottom-Up Freezing: An Approach  
to Neural Engineering -- The Bottom-Up Freezing: An Approach to  
Neural Engineering -- The Design and Implementation of an Electronic  
Lexical Knowledge Base -- The Design and Implementation of an  
Electronic Lexical Knowledge Base -- Towards a Temporal Extension of  
Formal Concept analysis -- Towards a Temporal Extension of Formal  
Concept analysis -- Graduate Symposium Contributions -- Adaptive  
Representation Methods for Reinforcement Learning -- Imprecise and  
Uncertain REngineering Information Modeling in Databases --  
Incremental Case-Based Reasoning for Classification -- Incremental  
Case-Based Reasoning for Classification -- Planning Animations Using  
Cinematography Knowledge -- Planning Animations Using  
Cinematography Knowledge -- Watching You, Watching Me --  
Watching You, Watching Me.

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AI 2001 is the 14th in the series of Artificial Intelligence conferences sponsored by the Canadian Society for Computational Studies of Intelligence/Société canadienne pour l'étude de l'intelligence par ordinateur. As was the case last year too, the conference is being held in conjunction with the annual conferences of two other Canadian societies, Graphics Interface (GI 2001) and Vision Interface (VI 2001). We believe that the overall experience will be enriched by this conjunction of conferences. This year is the "silver anniversary" of the conference: the first Canadian AI conference was held in 1976 at UBC. During its lifetime, it has attracted Canadian and international papers of high quality from a variety of AI research areas. All papers submitted to the conference received at least three independent reviews. Approximately one third were accepted for plenary presentation at the conference. The best paper of the conference will be invited to appear in Computational Intelligence.

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