



# Advances in Artificial Intelligence : 14th Biennial Conference of the Canadian Society for Computational Studies of Intelligence, AI 2001 Ottawa, Canada, June 79, 2001 Proceedings /

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Conference papers and proceedings.

Monografía

This book constitutes the refereed proceedings of the 14th Artificial Intelligence Conference sponsored by the Canadian Society for Computational Studies of Intelligence, AI 2001, held in Ottawa, Canada, in June 2001. The 24 revised full papers presented together with 14 posters were carefully reviewed and selected from around 70 submissions. Among the topics addressed are learning, data mining, searching, multi-agent systems, automated deduction, computational linguistics, constraint programming, agent learning, planning, classifier systems, heuristics, logic programming, and case-based reasoning

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**Contenido:** 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 Nacro Operators with Automatically Generated Heuristics -- Searching for Nacro Operators with Automatically Generated Heuristics -- Solving Multiple-Instance and Multiple-Part Learning Problems with Decision Trees and Rule Sets. 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