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Soggetti	Artificial intelligence Compilers (Computer programs) Machine theory Business information services Artificial Intelligence Compilers and Interpreters Formal Languages and Automata Theory IT in Business
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Nota di contenuto	Invited Talks -- We’re Wiser Together -- Black Swans, Gray Cygnets and Other Rare Birds -- Theoretical/Methodological Research Papers -- Case Retrieval Reuse Net (CR2N): An Architecture for Reuse of Textual Solutions -- Case-Based Reasoning in Transfer Learning -- Toward Modeling and Teaching Legal Case-Based Adaptation with Expert Examples -- Opportunistic Adaptation Knowledge Discovery -- Improving Reinforcement Learning by Using Case Based Heuristics -- Dimensions of Case-Based Reasoner Quality Management -- Belief Merging-Based Case Combination -- Maintenance by a Committee of Experts: The MACE Approach to Case-Base Maintenance -- The Good,

the Bad and the Incorrectly Classified: Profiling Cases for Case-Base Editing -- An Active Approach to Automatic Case Generation -- Four Heads Are Better than One: Combining Suggestions for Case Adaptation -- Adaptation versus Retrieval Trade-Off Revisited: An Analysis of Boundary Conditions -- Boosting CBR Agents with Genetic Algorithms -- Using Meta-reasoning to Improve the Performance of Case-Based Planning -- Multi-level Abstractions and Multi-dimensional Retrieval of Cases with Time Series Features -- On Similarity Measures Based on a Refinement Lattice -- An Overview of the Deterministic Dynamic Associative Memory (DDAM) Model for Case Representation and Retrieval -- Robust Measures of Complexity in TCBR -- S-Learning: A Model-Free, Case-Based Algorithm for Robot Learning and Control -- Quality Enhancement Based on Reinforcement Learning and Feature Weighting for a Critiquing-Based Recommender -- Abstraction in Knowledge-Rich Models for Case-Based Planning -- A Scalable Noise Reduction Technique for Large Case-Based Systems -- Conceptual Neighborhoods for Retrieval in Case-Based Reasoning -- CBR Supports Decision Analysis with Uncertainty.-Constraint-Based Case-Based Planning Using Weighted MAX-SAT -- Applied Research Papers -- A Value Supplementation Method for Case Bases with Incomplete Information -- Efficiently Implementing Episodic Memory -- Integration of a Methodology for Cluster-Based Retrieval in jColibri -- Case-Based Collective Inference for Maritime Object Classification -- Case-Based Reasoning for Situation-Aware Ambient Intelligence: A Hospital Ward Evaluation Study -- Spatial Event Prediction by Combining Value Function Approximation and Case-Based Reasoning -- Case-Based Support for Forestry Decisions: How to See the Wood from the Trees -- A Case-Based Perspective on Social Web Search -- Determining Root Causes of Drilling Problems by Combining Cases and General Knowledge.

Sommario/riassunto

This book constitutes the refereed proceedings of the 8th International Conference on Case-Based Reasoning, ICCBR 2009, held in Seattle, WA, USA, in July 2009. The 17 revised full papers and 17 revised poster papers presented together with 2 invited talks were carefully reviewed and selected from 55 submissions. Covering a wide range of CBR topics of interest both to practitioners and researchers, the papers are devoted to theoretical/methodological as well as to applicative aspects of current CBR analysis.