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Nota di contenuto	Invited Papers -- Integrating Background Knowledge into Nearest-Neighbor Text Classification -- Applying Knowledge Management: Techniques for Building Organisational Memories -- Research Papers -- On the Complexity of Plan Adaptation by Derivational Analogy in a Universal Classical Planning Framework -- Inductive Learning for Case-Based Diagnosis with Multiple Faults -- Diverse Product Recommendations Using an Expressive Language for Case Retrieval -- Digital Image Similarity for Geo-spatial Knowledge Management -- Poetry Generation in COLIBRI -- Adaptation Using Iterated Estimations -- The Use of a Uniform Declarative Model in 3D Visualisation for Case-Based Reasoning -- Experiments on Case-Based Retrieval of Software Designs -- Exploiting Taxonomic and Causal Relations in Conversational Case Retrieval -- Bayesian Case Reconstruction -- Relations between Customer Requirements, Performance Measures, and General Case Properties for Case Base Maintenance -- Representing Temporal Knowledge for Case-Based Prediction -- Local Predictions for Case-Based Plan Recognition -- Automatically Selecting Strategies for Multi-Case-Base Reasoning -- Diversity-Conscious Retrieval -- Improving Case Representation and Case Base Maintenance in Recommender Agents -- Similarity Assessment for Generalized Cases by Optimization Methods -- Case Acquisition in a Project Planning

Environment -- Improving Case-Based Recommendation -- Efficient Similarity Determination and Case Construction Techniques for Case-Based Reasoning -- Constructive Adaptation -- A Fuzzy Case Retrieval Approach Based on SQL for Implementing Electronic Catalogs -- Integrating Hybrid Rule-Based with Case-Based Reasoning -- Search and Adaptation in a Fuzzy Object Oriented Case Base -- Deleting and Building Sort Out Techniques for Case Base Maintenance -- Entropy-Based vs. Similarity-Influenced: Attribute Selection Methods for Dialogs Tested on Different Electronic Commerce Domains -- Category-Based Filtering and User Stereotype Cases to Reduce the Latency Problem in Recommender Systems -- Defining Similarity Measures: Top-Down vs. Bottom-Up -- Learning to Adapt for Case-Based Design -- An Approach to Aggregating Ensembles of Lazy Learners That Supports Explanation -- An Experimental Study of Increasing Diversity for Case-Based Diagnosis -- Application Papers -- Collaborative Case-Based Recommender Systems -- Tuning Production Processes through a Case Based Reasoning Approach -- An Application of Case-Based Reasoning to the Adaptive Management of Wireless Networks -- A Case-Based Personal Travel Assistant for Elaborating User Requirements and Assessing Offers -- An Automated Hybrid CBR System for Forecasting -- Using CBR for Automation of Software Design Patterns -- A New Approach to Solution Adaptation and Its Application for Design Purposes -- InfoFrax: CBR in Fused Cast Refractory Manufacture -- Comparison-Based Recommendation -- Case-Based Reasoning for Estuarine Model Design -- Similarity Guided Learning of the Case Description and Improvement of the System Performance in an Image Classification System -- ITR: A Case-Based Travel Advisory System -- Supporting Electronic Design Reuse by Integrating Quality-Criteria into CBR-Based IP Selection -- Building a Case-Based Decision Support System for Land Development Control Using Land Use Function Pattern.

Sommario/riassunto

The papers collected in this volume were presented at the 6th European Conference on Case-Based Reasoning (ECCBR 2002) held at The Robert Gordon University in Aberdeen, UK. This conference followed a series of very successful well-established biennial European workshops held in Trento, Italy (2000), Dublin, Ireland (1998), Lausanne, Switzerland (1996), and Paris, France (1994), after the initial workshop in Kaiserslautern, Germany (1993). These meetings have a history of attracting first-class European and international researchers and practitioners in the years interleaving with the biennial international counterpart ICCBR; the 4th ICCBR Conference was held in Vancouver, Canada in 2001. Proceedings of ECCBR and ICCBR conferences are traditionally published by Springer-Verlag in their LNAI series. Case-Based Reasoning (CBR) is an AI problem-solving approach where problems are solved by retrieving and reusing solutions from similar, previously solved problems, and possibly revising the retrieved solution to reflect differences between the new and retrieved problems. Case knowledge stores the previously solved problems and is the main knowledge source of a CBR system. A main focus of CBR research is the representation, acquisition and maintenance of case knowledge. Recently other knowledge sources have been recognized as important: indexing, similarity and adaptation knowledge. Significant knowledge engineering effort may be needed for these, and so the representation, acquisition and maintenance of CBR knowledge more generally have become important.
