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   Nota di contenuto   Nested graph-structured representations for cases -- On Bayesian case
                         matching -- Similarity measures for object-oriented case
                         representations -- Exploring the dialectic between abstract rules and
                         concrete facts: Operationalizing principles and cases in engineering
                         ethics -- Defining and combining symmetric and asymmetric similarity
                         measures -- Retrieval in a prototype-based case library: A case study
                         in diabetes therapy revision -- Similarities and reuse of proofs in
                         formal software verification -- Structured cases, trees and efficient
                         retrieval -- Case-based classification of ultrasonic B-scans: Case-base
                         organisation and case retrieval -- Case-based model selection for
                         engineering diagnosis -- Using example-based reasoning for selective
                         move generation in two player adversarial games -- Reuse of complex
                         electronic designs -- Retrieval of Java classes for case-based reuse --
                         WWW assisted browsing by reusing past navigations of a group of users
                         -- Reformulation in case-based reasoning -- An adaptation heuristic
                         for case-based estimation -- Categorizing case-base maintenance:

Dimensions and directions -- Modelling the competence of case-bases -- An architecture for maintaining case-based reasoning systems -- A study on competence-preserving case replacing strategies in case-based reasoning -- Representation of failure context for diagnosis of technical applications -- Different learning strategies in a case-based reasoning system for image interpretation -- Supporting dialogue inferencing in conversational case-based reasoning -- A textual case-based reasoning system using XML on the world-wide web -- Study and formalization of a case-based reasoning system using a description logic -- Defining knowledge layers for textual case-based reasoning -- A case-based approach to user modeling -- A generic case-based framework for assisting instructional design -- Case-based reasoning in CARE-PARTNER: Gathering evidence for evidence-based medical practice -- The development of HOMER a case-based CAD/CAM help-desk support tool -- Case-Based design for tablet formulation -- Experiences with prototype designs and retrieval methods in medical Case-Based Reasoning systems -- CBR for the reuse of corporate SQL knowledge -- Case-bases incorporating scheduling constraint dimensions - Experiences in nurse rostering - -- An operator support system based on case-based reasoning for the plastic moulding injection process -- A CBR architecture for project knowledge management -- SARA: A Case-Based student modelling system -- An interactive Case-Based Reasoning system for the development of image processing applications -- Virtual Reality as an environment for CBR -- Collecting experience on the systematic development of CBR applications using the INRECA methodology -- A solution to cure the deviation problems at winders.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 4th European Workshop on Case-Based Reasoning, EWCBR-98, held in Dublin, Ireland, in September 1998. The 41 revised full papers presented were carefully selected and reviewed for inclusion in the proceedings. The contributions address the representation and organization of cases in case-bases, the assessment of case similarity, the efficient retrieval of cases from large case-bases, the adaptation of similar case solutions to fit the current problem, case learning and case-base maintenance, and the application of CBR technology to real-world problems. |