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Nota di contenuto	Research Papers -- Affect-Driven CBR to generate expressive music -- Probability Based Metrics for Nearest Neighbor Classification and Case-Based Reasoning -- Active Exploration in Instance-Based Preference Modeling -- A Multiple-Domain Evaluation of Stratified Case-Based Reasoning -- Bootstrapping Case Base Development with Annotated Case Summaries? -- Activating CBR Systems through Autonomous Information Gathering -- Integrating CBR and Heuristic Search for Learning and Reusing Solutions in Real-time Task Scheduling -- Towards a Unified Theory of Adaptation in Case-Based Reasoning -- A Knowledge-level Task Model of Adaptation in Case-Based Reasoning -- Development and Utilization of a Case-Based Help-Desk Support

System in a Corporate Environment -- Modelling the CBR Life Cycle Using Description Logics ? -- An Evolutionary Approach to Case Adaptation -- REMEX - A Case-Based Approach for Reusing Software Measurement Experienceware -- A Unified Long-Term Memory System? -- Combining CBR with Interactive Knowledge Acquisition, Manipulation and Reuse? -- When Experience is Wrong: Examining CBR for Changing Tasks and Environments? -- Case Library Reduction Applied to Pile Foundations -- Case Representation, Acquisition, and Retrieval in SIROCCO -- Flexibly Interleaving Processes -- A Case Retention Policy based on Detrimental Retrieval -- Using Guidelines to Constrain Interactive Case-Based HTN Planning -- Speed-up, Quality and Competence in Multi-Modal Case-Based Reasoning -- A Case-Based Methodology for Planning Individualized Case Oriented Tutoring -- Building Compact Competent Case-Bases -- Footprint-Based Retrieval -- Is CBR Applicable to the Coordination of Search and Rescue Operations? A Feasibility Study -- Is CBR Applicable to the Coordination of Search and Rescue Operations? AFeasibility Study -- Integrating Case-Based Reasoning and Hypermedia Documentation: An Application for the Diagnosis of a Welding Robot at Odense Steel Shipyard -- Integrating Case-Based Reasoning and Hypermedia Documentation: An Application for the Diagnosis of a Welding Robot at Odense Steel Shipyard -- Integrating Rule-Based and Case-Based Decision Making in Diabetic Patient Management? -- Integrating Rule-Based and Case-Based Decision Making in Diabetic Patient Management? -- Managing Complex Knowledge in Natural Sciences -- Managing Complex Knowledge in Natural Sciences -- ELSI: A Medical Equipment Diagnostic System -- ELSI: A Medical Equipment Diagnostic System -- Case-Based Reasoning for Candidate List Extraction in a Marketing Domain. -- Case-Based Reasoning for Candidate List Extraction in a Marketing Domain. -- CBR for the Reuse of Image Processing Knowledge: a Recursive Retrieval/Adaptation Strategy -- CBR for the Reuse of Image Processing Knowledge: a Recursive Retrieval/Adaptation Strategy -- Virtual Function Generators: Representing and Reusing Underlying Design Concepts in Conceptual Synthesis of Mechanisms for Function Generation -- Virtual Function Generators: Representing and Reusing Underlying Design Concepts in Conceptual Synthesis of Mechanisms for Function Generation -- Shaping a CBR view with XML -- Shaping a CBR view with XML -- Integrating Information Resources: A Case Study of Engineering Design Support? -- Integrating Information Resources: A Case Study of Engineering Design Support? -- A Hybrid Case-Based Reasoner for Footwear Design -- A Hybrid Case-Based Reasoner for Footwear Design -- Fault Management in Computer Networks Using Case-Based Reasoning: DUMBO System -- Fault Management in Computer Networks Using Case-Based Reasoning: DUMBO System -- AnArchitecture for a CBR Image Segmentation System -- An Architecture for a CBR Image Segmentation System -- Supporting Reusability in a System Design Environment by Case-Based Reasoning Techniques -- Supporting Reusability in a System Design Environment by Case-Based Reasoning Techniques -- Case-Based Reasoning for Antibiotics Therapy Advice -- Case-Based Reasoning for Antibiotics Therapy Advice -- Surfing the Digital Wave -- Surfing the Digital Wave -- Cse-Based Quality Management System using Expectation Values -- Cse-Based Quality Management System using Expectation Values -- ICARUS: Design and Deployment of a Case-Based Reasoning System for Locomotive Diagnostics -- ICARUS: Design and Deployment of a Case-Based Reasoning System for Locomotive Diagnostics.

Sommario/riassunto

The biennial International Conference on Case-Based Reasoning (ICCBR) - ries, which began in Sesimbra, Portugal, in 1995, was

intended to provide an international forum for the best fundamental and applied research in case-based reasoning (CBR). It was hoped that such a forum would encourage the g- wth and rigor of the eld and overcome the previous tendency toward isolated national CBR communities. The foresight of the original ICCBR organizers has been rewarded by the growth of a vigorous and cosmopolitan CBR community. CBR is now widely recognized as a powerful and important computational technique for a wide range of practical applications. By promoting an exchange of ideas among CBR researchers from across the globe, the ICCBR series has facilitated the broader acceptance and use of CBR. ICCBR-99 has continued this tradition by attracting high-quality research and applications papers from around the world. Researchers from 21 countries submitted 80 papers to ICCBR-99. From these submissions, 17 papers were selected for long oral presentation, 7 were accepted for short oral presentation, and 19 papers were accepted as posters. This volume sets forth these 43 papers, which contain both mature work and innovative new ideas.