

# Table of Contents

## Invited Papers

Cases in Robotic Soccer .....	1
<i>Hans-Dieter Burkhard and Ralf Berger</i>	
A Case-Based Framework for Collaborative Semantic Search in Knowledge Sifter .....	16
<i>Larry Kerschberg, Hanjo Jeong, Yong Uk Song, and Wooju Kim</i>	
Usages of Generalization in Case-Based Reasoning .....	31
<i>Eva Armengol</i>	

## Research Papers

Team Playing Behavior in Robot Soccer: A Case-Based Reasoning Approach .....	46
<i>Raquel Ros, Ramon López de Mántaras, Josep Lluís Arcos, and Manuela Veloso</i>	
Acquiring Word Similarities with Higher Order Association Mining .....	61
<i>Sutanu Chakraborti, Nirmalie Wiratunga, Robert Lothian, and Stuart Watt</i>	
Label Ranking in Case-Based Reasoning .....	77
<i>Klaus Brinker and Eyke Hüllermeier</i>	
When Similar Problems Don't Have Similar Solutions .....	92
<i>Stewart Massie, Susan Crow, and Nirmalie Wiratunga</i>	
Mixed-Initiative Relaxation of Constraints in Critiquing Dialogues .....	107
<i>David McSherry and David W. Aha</i>	
A Methodology for Analyzing Case Retrieval from a Clustered Case Memory .....	122
<i>Albert Fornells, Elisabet Golobardes, Josep Maria Martorell, Josep Maria Garrell, Núria Macià, and Ester Bernadó</i>	
Using Cases Utility for Heuristic Planning Improvement .....	137
<i>Tomás de la Rosa, Angel García Olaya, and Daniel Borrajo</i>	
Case-Based Reasoning Adaptation for High Dimensional Solution Space .....	149
<i>Ying Zhang, Panos Louvieris, and Maria Petrou</i>	

Case-Based Planning and Execution for Real-Time Strategy Games . . . . .	164
<i>Santiago Ontañón, Kinshuk Mishra, Neha Sugandh, and Ashwin Ram</i>	
Case Authoring: From Textual Reports to Knowledge-Rich Cases . . . . .	179
<i>Stella Asimwe, Susan Crow, Bruce Taylor, and Nirmalie Wiratunga</i>	
Case Provenance: The Value of Remembering Case Sources . . . . .	194
<i>David Leake and Matthew Whitehead</i>	
Mining Large-Scale Knowledge Sources for Case Adaptation Knowledge . . . . .	209
<i>David Leake and Jay Powell</i>	
Representation and Structure-Based Similarity Assessment for Agile Workflows . . . . .	224
<i>Mirjam Minor, Alexander Tartakovski, and Ralph Bergmann</i>	
Application of the Revision Theory to Adaptation in Case-Based Reasoning: The Conservative Adaptation . . . . .	239
<i>Jean Lieber</i>	
Methodological Assistance for Integrating Data Quality Evaluations into Case-Based Reasoning Systems . . . . .	254
<i>Annett Bierer</i>	
Case-Based Anomaly Detection . . . . .	269
<i>Alessandro Micarelli and Giuseppe Sansonetti</i>	
Case-Based Reasoning in Robot Indoor Navigation . . . . .	284
<i>Alessandro Micarelli, Stefano Panzieri, and Giuseppe Sansonetti</i>	
Case-Based Group Recommendation: Compromising for Success . . . . .	299
<i>Kevin McCarthy, Lorraine McGinty, and Barry Smyth</i>	
Catching the Drift: Using Feature-Free Case-Based Reasoning for Spam Filtering . . . . .	314
<i>Sarah Jane Delany and Derek Bridge</i>	
Enhancing Case-Based, Collaborative Web Search . . . . .	329
<i>Oisín Boydell and Barry Smyth</i>	
An Analysis of Case-Based Value Function Approximation by Approximating State Transition Graphs . . . . .	344
<i>Thomas Gabel and Martin Riedmiller</i>	
From Anomaly Reports to Cases . . . . .	359
<i>Stewart Massie, Nirmalie Wiratunga, Susan Crow, Alessandro Donati, and Emmanuel Vicari</i>	

Assessing Classification Accuracy in the Revision Stage of a CBR Spam Filtering System .....	374
<i>José Ramón Méndez, Carlos González, Daniel Glez-Peña, Florentino Fdez-Riverola, Fernando Díaz, and Juan Manuel Corchado</i>	

## Application Papers

Intelligent Guidance and Suggestions Using Case-Based Planning .....	389
<i>Javier Bajo, Juan Manuel Corchado, and Sara Rodríguez</i>	
Case-Based Reasoning for Invoice Analysis and Recognition .....	404
<i>Hatem Hamza, Yolande Belaïd, and Abdel Belaïd</i>	
Watershed Segmentation Via Case-Based Reasoning .....	419
<i>Maria Frucci, Petra Perner, and Gabriella Sanniti di Baja</i>	
A Case-Based Song Scheduler for Group Customised Radio .....	433
<i>Claudio Baccigalupo and Enric Plaza</i>	
Helping Software Engineers Reusing UML Class Diagrams .....	449
<i>Paulo Gomes, Pedro Gandola, and Joel Cordeiro</i>	
Failure Analysis for Domain Knowledge Acquisition in a Knowledge-Intensive CBR System .....	463
<i>Amélie Cordier, Béatrice Fuchs, Jean Lieber, and Alain Mille</i>	
Classify and Diagnose Individual Stress Using Calibration and Fuzzy Case-Based Reasoning .....	478
<i>Shahina Begum, Mobyen Uddin Ahmed, Peter Funk, Ning Xiong, and Bo von Schéele</i>	
Prototypical Cases for Knowledge Maintenance in Biomedical CBR ....	492
<i>Isabelle Bichindaritz</i>	
Case-Based Support for Library Reference Services .....	507
<i>Yen Bui</i>	
Knowledge Extraction and Summarization for an Application of Textual Case-Based Interpretation .....	517
<i>Eni Mustafaraj, Martin Hoof, and Bernd Freisleben</i>	
<b>Author Index</b> .....	<b>533</b>