

Contents

Invited Papers

Encouraging Curiosity in Case-Based Reasoning and Recommender Systems	3
<i>Mary Lou Maher and Kazjon Grace</i>	
Analogical Proportions and Analogical Reasoning - An Introduction	16
<i>Henri Prade and Gilles Richard</i>	

Regular Papers

A Hybrid CBR Approach for the Long Tail Problem in Recommender Systems	35
<i>Gharbi Alshammari, Jose L. Jorro-Aragoneses, Stelios Kapetanakis, Miltos Petridis, Juan A. Recio-García, and Belén Díaz-Agudo</i>	
Extending the Flexibility of Case-Based Design Support Tools: A Use Case in the Architectural Domain	46
<i>Viktor Ayzenshtadt, Christoph Langenhan, Saqib Bukhari, Klaus-Dieter Althoff, Frank Petzold, and Andreas Dengel</i>	
A Reasoning Model Based on Perennial Crop Allocation Cases and Rules . . .	61
<i>Florence Le Ber, Xavier Dolques, Laura Martin, Alain Mille, and Marc Benoît</i>	
A SPARQL Query Transformation Rule Language — Application to Retrieval and Adaptation in Case-Based Reasoning	76
<i>Olivier Bruneau, Emmanuelle Gaillard, Nicolas Lasolle, Jean Lieber, Emmanuel Nauer, and Justine Reynaud</i>	
Similar Users or Similar Items? Comparing Similarity-Based Approaches for Recommender Systems in Online Judges	92
<i>Marta Caro-Martinez and Guillermo Jimenez-Diaz</i>	
Tetra: A Case-Based Decision Support System for Assisting Nuclear Physicians with Image Interpretation	108
<i>Mohammad B. Chawki, Emmanuel Nauer, Nicolas Jay, and Jean Lieber</i>	
Case-Based Team Recognition Using Learned Opponent Models	123
<i>Michael W. Floyd, Justin Karneeb, and David W. Aha</i>	

The Mechanism of Influence of a Case-Based Health Knowledge System on Hospital Management Systems	139
<i>Dongxiao Gu, Jingjing Li, Isabelle Bichindaritz, Shuyuan Deng, and Changyong Liang</i>	
Scaling Up Ensemble of Adaptations for Classification by Approximate Nearest Neighbor Retrieval.	154
<i>Vahid Jalali and David Leake</i>	
A CBR System for Efficient Face Recognition Under Partial Occlusion	170
<i>Daniel López-Sánchez, Juan M. Corchado, and Angélica González Arrieta</i>	
Time Series and Case-Based Reasoning for an Intelligent Tetris Game	185
<i>Diana Sofia Lora Ariza, Antonio A. Sánchez-Ruiz, and Pedro A. González-Calero</i>	
Case-Based Reasoning for Inert Systems in Building Energy Management . . .	200
<i>Mirjam Minor and Lutz Marx</i>	
Semantic Trace Comparison at Multiple Levels of Abstraction	212
<i>Stefania Montani, Manuel Striani, Silvana Quaglini, Anna Cavallini, and Giorgio Leonardi</i>	
On the Pros and Cons of Explanation-Based Ranking	227
<i>Khalil Muhammad, Aonghus Lawlor, and Barry Smyth</i>	
A User Controlled System for the Generation of Melodies Applying Case Based Reasoning.	242
<i>Maria Navarro-Cáceres, Sara Rodríguez, Diego Milla, Belén Pérez-Lancho, and Juan Manuel Corchado</i>	
Towards a Case-Based Reasoning Approach to Dynamic Adaptation for Large-Scale Distributed Systems	257
<i>Sorana Tania Nemeş and Andreea Buga</i>	
Evolutionary Inspired Adaptation of Exercise Plans for Increasing Solution Variety	272
<i>Tale Prestmo, Kerstin Bach, Agnar Aamodt, and Paul Jarle Mork</i>	
Intelligent Control System for Back Pain Therapy	287
<i>Juan A. Recio-Garcia, Belén Díaz-Agudo, Jose Luis Jorro-Aragoneses, and Alireza Kazemi</i>	
Dependency Modeling for Knowledge Maintenance in Distributed CBR Systems	302
<i>Pascal Reuss, Christian Witzke, and Klaus-Dieter Althoff</i>	

Case-Based Recommendation for Online Judges Using Learning Itineraries	315
<i>Antonio A. Sánchez-Ruiz, Guillermo Jimenez-Diaz, Pedro P. Gómez-Martín, and Marco A. Gómez-Martín</i>	
kNN Sampling for Personalised Human Activity Recognition	330
<i>Sadiq Sani, Nirmalie Wiratunga, Stewart Massie, and Kay Cooper</i>	
Case-Based Interpretation of Best Medical Coding Practices—Application to Data Collection for Cancer Registries	345
<i>Michael Schnell, Sophie Couffignal, Jean Lieber, Stéphanie Saleh, and Nicolas Jay</i>	
Running with Cases: A CBR Approach to Running Your Best Marathon . . .	360
<i>Barry Smyth and Pádraig Cunningham</i>	
Weighted One Mode Projection of a Bipartite Graph as a Local Similarity Measure	375
<i>Rotem Stram, Pascal Reuss, and Klaus-Dieter Althoff</i>	
SCOUT: A Case-Based Reasoning Agent for Playing Race for the Galaxy . . .	390
<i>Michael Woolford and Ian Watson</i>	
Conversational Process-Oriented Case-Based Reasoning	403
<i>Christian Zeyen, Gilbert Müller, and Ralph Bergmann</i>	
Maintenance for Case Streams: A Streaming Approach to Competence-Based Deletion	420
<i>Yang Zhang, Su Zhang, and David Leake</i>	
Author Index	435

Case-Based Reasoning Research and Development
25th International Conference, ICCBR 2017, Trondheim,
Norway, June 26-28, 2017, Proceedings
Aha, D.; Lieber, J. (Eds.)
2017, XIX, 436 p. 133 illus., Softcover
ISBN: 978-3-319-61029-0