Contents

Agents

Perception of Masculinity and Femininity of Agent’s Appearance
and Self-adaptors .......................................................... 3

Tomoko Koda, Takuto Ishioh, Takafumi Watanabe, and Yoshihiko Kubo

Two Model Checking Approaches to Branch-and-Bound Optimization
of a Flow Production System ........................................... 19

Christoph Greulich and Stefan Edelkamp

Adaptive Switching Behavioral Strategies for Effective Team Formation
in Changing Environments ............................................. 37

Masashi Hayano, Yuki Miyashita, and Toshiharu Sugawara

From Reviews to Arguments and from Arguments Back
to Reviewers’ Behaviour ................................................. 56

Simone Gabbirellini and Francesco Santini

Artificial Intelligence

Integrating Graded Knowledge and Temporal Change in a Modal Fragment
of OWL ........................................................................ 75

Hans-Ulrich Krieger

An Agent-Based Architecture for Personalized Recommendations .......... 96

Amel Ben Othmane, Andrea Tettamanzi, Serena Villata,
Nhan LE Thanh, and Michel Buffa

Enhancing Support Vector Decoders by Integrating an Uncertainty Model ... 114

Jörg Bremer and Sebastian Lehnhoff

Natural Language Argumentation for Text Exploration ....................... 133

Elena Cabrio and Serena Villata

Instance Selection and Outlier Generation to Improve the Cascade Classifier
Precision ........................................................................ 151

Judith Neugebauer, Oliver Kramer, and Michael Sonnenschein

Qualitative Possibilistic Decisions: Decomposition and Sequential
Decisions Making ............................................................ 171

Salem Benferhat, Khaoula Boutouhami, Hadja Faiza Khellaf-Haned,
and Ismahane Zeddigha
Enhancing Visual Clustering Using Adaptive Moving Self-Organizing Maps (AMSOM) ................................................................. 189

Gerasimos Spanakis and Gerhard Weiss

Discrete Multi-agent Plan Recognition: Recognizing Teams, Goals, and Plans from Action Sequences ............................................. 212

Chris Argenta and Jon Doyle

Keeping Secrets in $\mathcal{EL}^+$ Knowledge Bases ........................................ 229

Gopalakrishnan Krishnasamy Sivaprakasam and Giora Slutzki

An Automatic Approach for Generation of Fuzzy Membership Functions ................................................................. 247

Hossein Pazhoumand-Dar, Chiou Peng Lam, and Martin Masek

Facilitating Multi-agent Coalition Formation in Self-interested Environments ............................................................................. 265

Ted Scully and Michael G. Madden

Modeling the Directionality of Attention During Spatial Language Comprehension ................................................................. 283

Thomas Kluth, Michele Burigo, and Pia Knoeferle

Detecting Hidden Objects Using Efficient Spatio-Temporal Knowledge Representation ................................................................. 302

Joanna Isabelle Olszewska

Author Index .............................................................................................................................................................................. 315
Agents and Artificial Intelligence
8th International Conference, ICAART 2016, Rome, Italy, February 24-26, 2016, Revised Selected Papers
van den Herik, J.; Filipe, J. (Eds.)
2017, XVI, 315 p. 114 illus., Softcover
ISBN: 978-3-319-53353-7