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Multi-Agent Systems

9th European Workshop, EUMAS 2011
Maastricht, The Netherlands, November 14-15, 2011
Revised Selected Papers



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Preface

In the last two decades, we have seen a significant increase of interest in agent-based computing. This field is now set to become one of the key technologies in the twenty-first century. It is crucial that both academics and industrialists within Europe have access to a forum at which current research and application issues are presented and discussed.

In December 2003, the First European Workshop on Multi-Agent Systems (EUMAS) was held at the University of Oxford, UK. This workshop emerged from a number of related workshops and other scholarly activities that were taking place at both national and European levels, and was intended to provide a single recognized forum at which researchers and those interested in activities relating to research in the area of autonomous agents and multi-agent systems could meet, present research results, problems, and issues in an open and informal but academic environment. This set-up allows for discussions of the latest, potentially preliminary findings of state-of-the-art research.

Following in the tradition of past EUMAS events (Oxford 2003, Barcelona 2004, Brussels 2005, Lisbon 2006, Hammamet 2007, Bath 2008, Agia Napa 2009, and Paris 2010), the aim of the 9th European Workshop on Multi-Agent Systems held in Maastricht (The Netherlands) during November 14–15, 2011, was to encourage and support activity in the research and development of multi-agent systems, in academic and industrial efforts.

In 2011, the EUMAS workshop had 45 papers accepted for oral presentation and the demo session hosted four contributions. The workshop was very well attended and the presentations gave the opportunity for several debates often continuing during the coffee breaks.

The two-day event also gave the opportunity to listen to three exciting invited talks given by Marie-Pierre Gleizes (Université Paul Sabatier, France), Peter McBurney (King's College London, UK), and Milind Tambe (University of Southern California, USA).

After the workshop, the best papers were selected taking into account the reviews they received during the pre-workshop review phase and the discussion generated by their presentations. The authors of these papers were asked to significantly improve their manuscripts and the resulting works passed through a new review cycle. These papers are the backbone of this book. They are perfectly completed by three papers written by the invited speakers, discussing key issues in multi-agent systems.

May 2012

Massimo Cossentino
Michael Kaisers
Karl Tuyls
Gerhard Weiss

Organization

The 9th European Workshop on Multi-Agent Systems (EUMAS 2011) was held in Maastricht (The Netherlands) during November 14–15, 2011. It was hosted by the Department of Knowledge Engineering at Maastricht University, and co-organized by the SwarmLab at Maastricht University and the Istituto di Reti e Calcolo ad Alte Prestazioni, Consiglio Nazionale delle Ricerche, Palermo, Italy.

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Table of Contents

European Workshop on Multi-Agent Systems

Reinforcement Learning Transfer Using a Sparse Coded Inter-task Mapping	1
<i>Haitham Bou Ammar, Matthew E. Taylor, Karl Tuyls, and Gerhard Weiss</i>	
Game Theory for Security: An Important Challenge for Multiagent Systems	17
<i>Bo An and Milind Tambe</i>	
Local Coordination in Online Distributed Constraint Optimization Problems	31
<i>Tim Brys, Yann-Michaël De Hauwere, Ann Nowé, and Peter Vrancx</i>	
Improving Diagnosis Agents with Hybrid Hypotheses Confirmation Reasoning Techniques	48
<i>Álvaro Carrera and Carlos A. Iglesias</i>	
Towards a Design Process for Modeling MAS Organizations	63
<i>Massimo Cossentino, Carmelo Lodato, Salvatore Lopes, Patrizia Ribino, Valeria Seidita, and Antonio Chella</i>	
Argumentation Strategies for Task Delegation	80
<i>Chukwuemeka David Emele, Timothy J. Norman, and Simon Parsons</i>	
Using OWL 2 DL for Expressing ACL Content and Semantics	97
<i>Nicoletta Fornara, Daniel Okouya, and Marco Colombetti</i>	
Self-adaptive Complex Systems	114
<i>Marie-Pierre Gleizes</i>	
Argumentation Semantics for Agents	129
<i>Cristian Gratie and Adina Magda Florea</i>	
Multi-agent Learning and the Reinforcement Gradient	145
<i>Michael Kaisers, Daan Bloembergen, and Karl Tuyls</i>	
A Methodology for the Generation of Multi-agent Argumentation Dialogue Scenarios	160
<i>Eric M. Kok, John-Jules Ch. Meyer, Herre van Oostendorp, Henry Prakken, and Gerard A.W. Vreeswijk</i>	

What Are Models for? 175
 Peter McBurney

QUERYPOMDP: POMDP-Based Communication in
Multiagent Systems 189
 Francisco S. Melo, Matthijs T.J. Spaan, and Stefan J. Witwicki

A Multi-agent Based Governance of Machine-to-Machine Systems 205
 *Camille Persson, Gauthier Picard, Fano Ramparany, and
 Olivier Boissier*

A Proposal of Process Fragment Definition and Documentation 221
 Valeria Seidita, Massimo Cossentino, and Antonio Chella

Recognizing Internal States of Other Agents to Anticipate and
Coordinate Interactions 238
 Filipo Studzinski Perotto

Author Index 259