

Table of Contents

Invited Paper

How Formal Logic Can Fail to Be Useful for Modelling or Designing MAS	1
<i>Bruce Edmonds</i>	

Topic A: Social Theory for Agent Technology

Communicational Patterns as Basis of Organizational Structures	16
<i>Steffen Albrecht, Maren Lübcke</i>	
On How to Conduct Experimental Research with Self-Motivated Agents	31
<i>Luis Antunes, Helder Coelho</i>	
Cognitive Identity and Social Reflexivity of the Industrial District Firms. Going Beyond the “Complexity Effect” with Agent-Based Simulations	48
<i>Riccardo Boero, Marco Castellani, Flaminio Squazzoni</i>	
The MAS-SOC Approach to Multi-agent Based Simulation	70
<i>Rafael H. Bordini, Fabio Y. Okuyama, Denise de Oliveira, Guilherme Drehmer, Romulo C. Krafta</i>	
Organisation Modelling for the Dynamics of Complex Biological Processes	92
<i>Tibor Bosse, Catholijn M. Jonker, Jan Treur</i>	
Communication without Agents? From Agent-Oriented to Communication-Oriented Modeling	113
<i>Thomas Malsch, Christoph Schlieder</i>	
Modeling Product Awareness Rates and Market Shares	134
<i>Filippo Neri</i>	
Metanarratives and Believable Behavior of Autonomous Agents	145
<i>Mirko Petric, Inga Tomic-Koludrovic, Ivica Mitrovic</i>	
FORM – A Sociologically Founded Framework for Designing Self-Organization of Multiagent Systems	156
<i>Michael Schillo, Klaus Fischer, Bettina Fley, Michael Florian, Frank Hillebrandt, Daniela Spresny</i>	

Social Organization in a Software Agent Community with a
Non-zero-Sum Game Interaction Model 176
Matti A. Vanninen, John R. Rose

Emotion: Theoretical Investigations and Implications for
Artificial Social Aggregates 189
Christian von Scheve, Daniel Moldt

Topic B: Norms and Institutions in MAS

What Is a Normative Goal?
Towards Goal-Based Normative Agent Architectures 210
Mehdi Dastani, Leendert van der Torre

Searching for a Soulmate – Searching for Tag-Similar Partners
Evolves and Supports Specialization in Groups 228
David Hales

Norms and Their Role in a Model of Electronic Institution 240
Ioan Alfred Letia, Wamberto W. Vasconcelos

A Model of Normative Multi-agent Systems
and Dynamic Relationships 259
Fabiola López y López, Michael Luck

Integration of Generic Motivations in Social Hybrid Agents 281
Fenintsoa Andriamasinoro, Remy Courdier

Author Index 301