

Table of Contents

Invited Paper

- How Formal Logic Can Fail to Be Useful for Modelling
or Designing MAS 1
Bruce Edmonds

Topic A: Social Theory for Agent Technology

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

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