Table of Contents

Agent Communication and Interaction

Adding New Communication Services to the FIPA Message Transport System .................................................. 1
Javier Palanca, Miguel Escrivá, Gustavo Aranda,
Ana García-Fornes, Vicente Julian, Vicent Botti

Analysis of Multi-Agent Interactions with Process Mining Techniques .......... 12
Lawrence Cabas, Nicolas Knaak, Daniel Moldt, Heiko Rölke

Engineering Agent Conversations with the DIALOG Framework .......... 24
Fernando Alonso, Rafael Fernández, Sonia Frutos, Javier Soriano

Agents’ Bidding Strategies in a Combinatorial Auction ..................... 37
Tim Stockheim, Michael Schwind, Oleg Gujo

Applications and Simulation

Modeling and Simulation of Tests for Agents ......................... 49
Martina Gierke, Jan Himmelspach, Mathias Röhle,
Adelinde M. Uhrmacher

Agent-Based Simulation Versus Econometrics – from Macro- to Microscopic Approaches in Route Choice Simulation ..................... 61
Gustavo Kuhn Andriotti, Franziska Klügl

Agent Based Simulation Architecture for Evaluating Operational Policies in Transshipping Containers ......................... 73
Lawrence Henesey, Paul Davidsson, Jan A. Persson

Agent Planning

Diagnosis of Multi-agent Plan Execution .............................. 86
 Femke de Jonge, Nico Roos, Cees Witteveen

Framework and Complexity Results for Coordinating Non-cooperative Planning Agents ........................................... 98
J. Renze Steenhuisen, Cees Witteveen, Adriaan W. ter Mors,
Jeroen M. Valk
Agent-Oriented Software Engineering

A Model Driven Approach to Agent-Based Service-Oriented Architectures ................................................................. 110
    Ingo Zinnikus, Gorka Benguria, Brian Elvesæter, Klaus Fischer,
    Julien Vayssière

Meta-models, Models, and Model Transformations: Towards Interoperable Agents ......................................................... 123
    Christian Hahn, Cristián Madrigal-Mora, Klaus Fischer,
    Brian Elvesæter, Arne-Jørgen Berre, Ingo Zinnikus

Formation of Virtual Organizations Through Negotiation .................. 135
    Mark Hoogendoorn, Catholijn M. Jonker

Continuations and Behavior Components Engineering in Multi-Agent Systems ............................................................. 147
    Denis Jouvin

Trust and Security

Evaluating Mobile Agent Platform Security ........................................ 159
    Axel Bürkle, Alice Hertel, Wilmuth Müller, Martin Wieser

A New Model for Trust and Reputation Management with an Ontology Based Approach for Similarity Between Tasks ............... 172
    Alberto Caballero, Juan A. Botia, Antonio F. Gomez-Skarmeta

Author Index ............................................................................. 185