1. Record Nr. UNINA9910484458103321

Titolo	Agent and multi-agent systems : technologies and applications : 4th KES International Symposium, KES-AMSTA 2010, Gdynia, Poland, June 23-25, 2010 : proceedings. Part I / / Piotr Jedrzejowicz ... [et al.], (eds.)
Pubbl/distr/stampa	Berlin, : Springer, 2010
ISBN	1-280-38695-9 9786613564870 3-642-13480-7
Edizione	[1st ed. 2010.]
Descrizione fisica	1 online resource (450 p. 142 illus.)
Collana	LNCS sublibrary. SL 7, Artificial intelligence Lecture notes in artificial intelligence, , 0302-9743 ; ; 6070
Altri autori (Persone)	JedrzejowiczPiotr
Disciplina	006.3
Soggetti	Intelligent agents (Computer software) Distributed artificial intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Keynote Speeches -- Declarative Technologies for Open Agent Systems and Beyond -- Knowledge Representation for Automated Reasoning -- Discovery of Processes and Their Interactions from Data and Domain Knowledge -- Multi-Agent Systems Design and Implementation -- Engaging the Dynamics of Trust in Computational Trust and Reputation Systems -- An Evaluation Method for Multi-Agent Systems -- Trust Estimation Using Contextual Fitness -- A Method for Improving Agent's Autonomy -- Service Oriented Context-Aware Software Agents for Greater Efficiency -- Methods of Task Redistribution in Multiagent Systems -- REST-A and Intercycle Messages -- Negotiations and Social Issues -- Improving Multi-agent Negotiations Using Multi-Objective PSO Algorithm -- Including Notions of Fairness in Development of an Integrated Multi-agent Online Dispute Resolution Environment -- Role Monitoring in Open Agent Societies -- Trust and Distrust Prediction in Social Network with Combined Graphical and Review-Based Attributes -- Web Services and Semantic Web -- A Method for Reasoning about Complex Services within Geographic Information Systems -- Providing Web Service of Established Quality with the Use of HTTP Requests

Scheduling Methods -- Three-Valued Paraconsistent Reasoning for Semantic Web Agents -- A Framework of an Agent-Based Personal Assistant for Internet Users -- Building Multiagent Environment for Military Decision Support Tools with Semantic Services -- Information Flow Based Specification of Data Integration Problem -- Cooperation, Coordination and Teamwork -- Cooperation of Agents in Manufacturing Systems -- Mitigating Human-Human Collaboration Problems Using Software Agents -- Team Formation and Optimization for Service Provisioning -- Self-adaptation Strategies to Favor Cooperation -- The Effects of Local Trust Cooperation in Multiagent Systems -- Using BDI-Agents with Coordination without Communication to Increase Lifetime, Preserving Autonomy and Flexibility in Wireless Sensor Networks -- Towards an Integrated Approach of Real-Time Coordination for Multi-agent Systems -- Agent-Based Modeling, Simulation and Decision Making -- The Influence of Call Graph Topology on the Dynamics of Telecommunication Markets -- Classifying Agent Behaviour through Relational Sequential Patterns -- Multi-agent Based Simulation of Animal Food Selective Behavior in a Pastoral System -- Movement Simulation and Management of Cooperating Objects in CGF Systems: A Case Study -- Simulating Collective Intelligence of the Communities of Practice Using Agent-Based Methods -- Using Perseus System for Modelling Epistemic Interactions -- Agent-Based Approach in Evacuation Modeling -- Multi-Agent Applications -- Core Non-emptiness Checking in Hedonic Games via Difference Logic -- Distributed Classification: Architecture and Cooperation Protocol in a Multi-agent System for E-Health -- Multidimensional Data Visualization Applied for User’s Questionnaire Data Quality Assessment -- Early Contention Notification for TCP Performance in Mobile Ad Hoc Networks -- Agent-Based Remote Conversation Support for People with Aphasia -- On the Effective Distribution of Knowledge Represented by Complementary Graphs -- Building Group Recommendations in E-Learning Systems -- Leader Election Based on Centrality and Connectivity Measurements in Ad Hoc Networks -- Concept of Analysing Spreading of an "Epidemics" by Means of a Multi-Agent Simulation -- A Multi-Agent System to Assist with Property Valuation Using Heterogeneous Ensembles of Fuzzy Models -- Performance Evaluation of Multiagent Systems for Power System Topology Verification.

Sommario/riassunto

Simulation and Decision Making, Multi-Agent Applications, Management and e-Business, Mobile Agents and Robots, and Machine Learning. In addition to the main tracks of the symposium there were the following five special sessions: Agent- Based Optimization (ABO2010), Agent-Enabled Social Computing (AESC2010), Digital Economy (DE2010), Using Intelligent Systems for Information Technology Assessment (ISITA2010) and a Doctoral Track. Accepted and presented papers highlight new trends and challenges in agent and multi-agent research. We hope these results will be of value to the research com- nity working in the fields of artificial intelligence, collective computational intel- gence, robotics, machine learning and, in particular, agent and multi-agent systems technologies and applications. We would like to express our sincere thanks to the Honorary Chairs, Romuald Cwilewicz, President of the Gdynia Maritime University, Poland, and Lakhmi C. Jain, University of South Australia, Australia, for their support. Our special thanks go to the Local Organizing Committee chaired by Ireneusz Czarnowski, who did very solid and excellent work. Thanks are due to the Program Co-chairs, all Program and Reviewer Committee members and all the additional -

viewers for their valuable efforts in the review process, which helped us to guarantee the highest quality of selected papers for the conference. We cordially thank the - ganizers and chairs of special sessions, which essentially contributed to the success of the conference.