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Collana	Lecture Notes in Artificial Intelligence ; ; 8953
Disciplina	006.3
Soggetti	Artificial intelligence Computer simulation Mathematical logic Algorithms Application software Artificial Intelligence Simulation and Modeling Mathematical Logic and Formal Languages Algorithm Analysis and Problem Complexity Information Systems Applications (incl. Internet)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Agent-Based Models, Trust and Reputation -- Ants in the OCEAN: Modulating Agents with Personality for Planning with Humans -- A Trust-Based Situation Awareness Model -- Angerona - A Flexible Multiagent Framework for Knowledge-Based Agents -- Affordance-Based Interaction Design for Agent-Based Simulation Models -- MORE: Merged Opinions Reputation Model -- Coordination, Coalitions and Teamwork -- Computing Coalitions in Multiagent Systems: A Contextual Reasoning Approach -- Comparison of Task-Allocation Algorithms in Frontier-Based Multi-robot Exploration -- Homecoming: A Multi-robot Exploration Method for Conjunct Environments with a Systematic Return Procedure -- Distributed Deliberation on Direct Help in Agent Teamwork -- Forming Coalitions in Self-interested Multi-

agent Environments Through the Promotion of Fair and Cooperative Behaviour -- Auction-Based Dynamic Task Allocation for Foraging with a Cooperative Robot Team -- Logic and Formal Approaches -- Tableaux and Complexity Bounds for a Multiagent Justification Logic with Interacting Justifications -- A Framework for Epistemic Gossip Protocols -- Compliance Games -- Synthesis with Rational Environments -- STIT Based Deontic Logics for the Miners Puzzle -- Arbitrary Announcements on Topological Subset Spaces -- Theories in Practice and Real-World Problems Direct Exchange Mechanisms for Option Pricing -- A Study on the Influence of the Number of MTurkers on the Quality of the Aggregate Output -- Multi-Agent Cooperation for Optimizing Weight of Electrical Aircraft Harnesses -- Optimizing Emergency Medical Assistance Coordination in After-Hours Urgent Surgery Patients -- Spatial Coordination Games for Large-Scale Visualization -- Decision Making, Conflicts and Agreements Modeling a Multi-issue Negotiation Protocol for Agent Extensible Negotiations -- Conflict Resolution in Assumption-Based Frameworks -- Decision Making in Agent-Based Models -- Strategic Argumentation Under Grounded Semantics is NP-Complete -- Deliberative Argumentation for Service Provision in Smart Environments -- Priority-Based Merging Operator Without Distance Measures -- A Dialogical Model for Collaborative Decision Making Based on Compromises.

Sommario/riassunto

This book constitutes the proceedings of the 12th European Conference on Multi-Agent Systems, EUMAS 2014, held in Prague, Czech Republic, in December 2014. The 21 full papers and 8 short papers presented in this volume were carefully reviewed and selected from 79 submissions. They are organized in topical sections named: agent-based models, trust and reputation; coordination, coalitions and teamwork; logic and formal approaches; theories in practice and real-world problems; decision making, conflicts and agreements.
