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| Titolo | Advances in Practical Applications of Agents, Multi-Agent Systems, and Complexity: The PAAMS Collection : 16th International Conference, PAAMS 2018, Toledo, Spain, June 20–22, 2018, Proceedings // edited by Yves Demazeau, Bo An, Javier Bajo, Antonio Fernández-Caballero |
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| Edizione | [1st ed. 2018.] |
| Descrizione fisica | 1 online resource (XVI, 376 p. 122 illus.) |
| Collana | Lecture Notes in Artificial Intelligence ; ; 10978 |
| Disciplina | 006.3 |
| Soggetti | Artificial intelligence Software engineering Computer organization Application software Algorithms Artificial Intelligence Software Engineering Computer Systems Organization and Communication Networks Information Systems Applications (incl. Internet) Algorithm Analysis and Problem Complexity |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Includes index. |
| Nota di contenuto | Hammer or Tongs: How Best to Build Agent-Based Models -- Towards Autonomous AI Systems for Resource Management: Applications in Industry and Lessons Learned -- A Holonic Multi-Agent Based Diagnostic Decision Support System for Computer-Aided History and Physical Examination -- A Resilient Agent-Based Re-Organizing Traffic Network for Urban Evacuations -- Coping with Bad Agent Interaction Protocols when Monitoring Partially Observable Multiagent Systems -- SimFI: a Transmission Agent-Based Model of Two Interacting Pathogens -- Electric vehicles fleet for frequency regulation using multi-agent system -- Using Run-Time Biofeedback during Virtual Agent-Based Aggression De-escalation Training -- Multi-Agent Systems and |

Blockchain: Results from a Systematic Literature Review -- A Model and Platform for Building Agent-Based Pervasive Mixed Reality Systems -- Classification of Spatio-temporal Trajectories based on Support Vector Machines -- A Cooperative Multi-Agent System for Wind Power Forecasting -- Cooperative agents for discovering Pareto-optimal classifiers under dynamic costs -- Unemployment expectations in an agent-based model with education -- Towards reducing complexity of multi-agent simulations by applying model-driven techniques -- Environment for identification of significant subjects on information portals -- Evaluation of Multi-Agent Coordination on Embedded Systems -- AgentUDE17: A Genetic Algorithm to Optimize the Parameters of an Electricity Tariff in a Smart Grid Environment -- A first step towards a general-purpose distributed cyberdefense system -- A Network-Oriented Adaptive Agent Model for Learning Regulation of a Highly Sensitive Person's Response -- SAIL: a Social Artificial Intelligence Layer for Human-Machine Teaming -- Agent-Based Model of Smart Social Networking-Driven Recommendations System for Internet of Vehicles -- MAXIM-GPRT: A Simulator of local Schedulers, Negotiations, and Communication for Multi-Agent Systems in General-Purpose and Real-Time Scenarios. -Managing Bad AIPs with RIVERtools -- Developing Agent-Based Pervasive Mixed Reality Systems: the MiRAgE Framework -- Generating unemployment expectations of the "man in the street" -- MASAP: Multi-Agent Simulation of Air Pollution -- Analysis of Agent-Based Parallelism for Use in Clustering and Classification Applications -- HVUAN – A rapid-development framework for Spanish-speaking virtual humans -- ATHOS - A domain-specific language for multi-agent simulations -- MASEV: A MAS for the Analysis of Electric Vehicle Charging Stations Location -- On the way of protecting MANETs against security threats: a proactive approach -- Coordinated UAV Search and Rescue Application with JaCaMo -- AgentOil: a multi-agent-based simulation of the drilling process in oilfields -- A social robot assisting in cognitive stimulation therapy -- Swarm of Satellites: Multi-Agent Mission Scheduler for Constellation of Earth Remote Sensing Satellites -- Demonstration of Tools Control Center for Multi-Agent Energy Systems Simulation -- MATISSE 3.0: A Large-Scale Multi-Agent Simulation System for Intelligent Transportation Systems -- The SAIL Framework for Implementing Human-Machine Teaming Concepts -- A novel web services infrastructure leveraging agent oriented middleware environment for realizing agent oriented information system models -- A Demonstration of Simulation Modeling for SloV Recommendations System.

Sommario/riassunto

This book constitutes the proceedings of the 16th International Conference on Practical Applications of Agents and Multi-Agent Systems, PAAMS 2018, held in Toledo, Spain, in June 2018. The 20 regular and 19 demo papers presented in this volume were carefully reviewed and selected from 57 submissions. They deal with the application and validation of agent-based models, methods, and technologies in a number of key applications areas, such as: energy and security; engineering and tools; evaluation and ethics; negotiation and organisations; personalization and learning; simulation applications; simulation platforms; social networks and humans. The book also contains two invited talks in full paper length. .
