

1. Record Nr.	UNINA9910629290003321
Titolo	PRIMA 2022: Principles and Practice of Multi-Agent Systems : 24th International Conference, Valencia, Spain, November 16–18, 2022, Proceedings / / edited by Reyhan Aydoan, Natalia Criado, Jérôme Lang, Victor Sanchez-Anguix, Marc Serramia
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	9783031212031 3031212037
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (714 pages)
Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 13753
Disciplina	518.1 006.3
Soggetti	Artificial intelligence Computer networks Computers, Special purpose Algorithms Computer science Software engineering Artificial Intelligence Computer Communication Networks Special Purpose and Application-Based Systems Design and Analysis of Algorithms Computer Science Logic and Foundations of Programming Software Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Robustness of Congestion Pricing in Traffic Networks with Link-specific Noise -- Explanation-based Negotiation Protocol for Health Coaching -- Cooperative driving at intersections through agent-based argumentation -- Dyadic Obligations: Proofs and Countermodels via Hypersequents -- On Normative Reinforcement Learning via Safe Reinforcement Learning -- Analysis of Carbon Neutrality Scenarios of

Industrial Consumers Using Electric Power Market Simulations -- Task Allocation on Networks with Execution Uncertainty -- Incorporating AI methods in micro-dynamic analysis to support group-specific policy-making -- False-Name-Proof Facility Location on Wheel Graphs -- Improving Problem Decomposition and Regulation in Distributed Multi-Agent Path Finder (DMPF) -- Assume-Guarantee Verification of Strategic Ability -- Sample Complexity of Learning Multi-Value Opinions in Social Networks -- A Hybrid Model of Traffic Assignment and Control for Autonomous Vehicles -- MTIRL: Multi-trainer interactive reinforcement learning system -- Action Languages Based Actual Causality in Decision Making Contexts -- Goal-oriented coordination with cumulative goals -- Optimal Parameter Selection Using Explainable AI for Time-Series Anomaly Detection -- Does Order Simultaneity Affect the Data Mining Task in Financial Markets? -- Effect Analysis of Order Simultaneity using Artificial Market -- Fine-grained Prediction and Control of Covid-19 Pandemic in a City: Application to Post-Initial Stages -- Preference Aggregation Mechanisms for a Tourism-Oriented Bayesian Recommender -- Weaponizing Actions in Multi-Agent Reinforcement Learning: Theoretical and Empirical Study on Security and Robustness -- Learning to Classify Logical Formulas based on their Semantic Similarity -- Time Series Predictive Models for Opponent Behavior Modeling in Bilateral Negotiations -- An MCTS-based Algorithm to Solve Sequential CFGs on Valuation Structures -- The FastMap Pipeline for Facility Location Problems -- An Axiomatic Approach to Formalized Responsibility Ascription -- Task Selection Algorithm for Multi-Agent Pickup and Delivery with Time -- Synchronization -- Dynamic Continuous Distributed Constraint Optimization Problems -- DITURIA: A Framework for Decision Coordination Among Multiple Agents -- Evaluating Adaptive and Non-adaptive Strategies for Selecting and Orienting Influencer Agents for Effective Flock Control -- A Proportional Pricing Mechanism for Ridesharing Services With Meeting Points -- Privacy-Aware Explanations for Team Formation -- A New Semantics for The Action Language ma^* -- Coalition Logic for Specification and Verification of Smart Contract Upgrades -- Collaborative Multi-Agent System for Automatic Linear Text Segmentation -- Start Making Sense: Identifying Behavioural Indicators When Things Go Wrong During Interaction with Artificial Agents -- Comparing mediated and unmediated agent-based negotiation in Wi-Fi channel assignment -- Design of Conversational Components to Facilitate Human-Agent Negotiation -- AN Using Local Search in Multi-Issue Bilateral and Repeated Negotiation -- Ontology-based Reflective Communication for Shared Human-AI Recognition of Emergent Collaboration Patterns -- Accounting for Strategic Response in Limit Order Book Dynamics -- Multi-Agent Modelling Notation (MAMN): A multi-layered graphical modelling notation for agent-based simulations -- On Reachable Assignments under Dichotomous Preferences -- Identifying Necessary and Sufficient Conditions for the Enforcement Problem of Argumentation Frameworks -- Collaborative filtering to capture AI user's preferences as norms -- Influence Of Expertise Complementarity on Ad Hoc Human-Agent Team Effectiveness -- STV+AGR: Towards Verification of Strategic Ability Using Assume-Guarantee Reasoning.

Sommario/riassunto

This book constitutes the refereed proceedings of the 23rd International Conference on Principles and Practice of Multi-Agent Systems, PRIMA 2020, held in hybrid mode in Valencia, Spain, in November 2022. The 31 full papers presented together with 15 short papers and 1 demo paper were carefully reviewed and selected from 100 submissions. The conference covers a wide range of ranging from

foundations of agent theory and engineering aspects of agent systems,
to emerging interdisciplinary areas of agent-based research.
