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Disciplina	006.3
Soggetti	Artificial intelligence Computer science Software engineering Application software Computers, Special purpose Compilers (Computer programs) Artificial Intelligence Theory of Computation Software Engineering Computer and Information Systems Applications Special Purpose and Application-Based Systems Compilers and Interpreters
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Argumentation and Logic Programming -- ABALearn: An automated logic-based learning system for ABA frameworks -- Deriving Dependency Graphs from Abstract Argumentation Frameworks -- ReConf: An Automatic Context-based Software Reconfiguration Tool for Autonomous Vehicles using Answer-Set Programming -- Mining contrast sequential patterns with ASP -- Ontologies -- An ontological

modelling of reason-based preferences -- A Defeasible Description Logic for Abduction -- Ontology-based Data Management in Healthcare: The Case of the Italian Arthroplasty Registry -- Planning -- A Structure-Sensitive Translation from Hybrid to Numeric Planning -- Intrinsically Motivated High-Level Planning for Agent Exploration -- Natural Language Processing -- Mining Argument Components in Essays at Different Levels -- Unraveling ChatGPT: A Critical Analysis of AI-Generated Goal-Oriented Dialogues and Annotations -- Scaling Large Language Models to the Extreme: Neural Semantic Processing of Multiple Tasks in Italian -- Named Entity Recognition and Linking for Entity Extraction from Italian Civil Judgements -- Machine Learning -- CENTAURO: an Explainable AI Approach for Customer Loyalty Prediction in Retail Sector -- Toward Novel Optimizers: A Moreau-Yosida View of Gradient-based Learning -- Mastering the Card Game of Jaipur through Zero-knowledge Self-Play Reinforcement Learning and Action Masks -- Uncovering Bias in the Face Processing Pipeline: An Analysis of Popular and State-of-the-Art Algorithms Across Demographic Groups -- A multi-label classification study for the prediction of long-covid syndrome -- PAUL-2: An Upgraded Transformer-Based Redesign of the Algorithmic Composer PAUL -- Robotics and Perception -- Understanding the Effect of Deep Ensembles in LiDAR-based Place Recognition -- Enhancing LiDAR performance: Robust De-skewing Exclusively Relying on Range Measurements -- Can Existing 3D Monocular Object Detection Methods Work in Roadside Contexts? A Reproducibility Study -- Embedding Shepard's Interpolation into CNN Models for Unguided Depth Completion -- Performance evaluation of depth completion neural networks for various RGB-D camera technologies in indoor scenario -- Hybrid AI -- Inference in Probabilistic Answer Set Programming under the Credal Semantics -- Efficient Modal Decision Trees -- Clique-TF-IDF: A New Partitioning Framework based on Dense Substructures -- Combining Contrastive Learning and Knowledge Graph Embeddings to develop medical word embeddings for the Italian language -- Applications of AI -- Recognizing the Style, Genre, and Emotion of a Work of Art Through Visual and Knowledge Graph Embeddings -- Combining genetic algorithms and temporal constraint satisfaction for recommending personalized tourist itineraries -- Towards Automatic Digitalization of Railway Engineering Schematics -- Election Manipulation in Social Networks with Single-Peaked Agents -- Learning to Prompt in the Classroom to Understand AI Limits: A pilot study.

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### Sommario/riassunto

This book constitutes the refereed proceedings of the XXII<sup>nd</sup> International Conference on AIxIA 2023 – Advances in Artificial Intelligence, AIxIA 2023, held in Rome, Italy, during November 6–10, 2023. The 33 full papers included in this book were carefully reviewed and selected from 53 submissions. They were organized in topical sections as follows: Argumentation and Logic Programming, Natural Language Processing, Machine Learning, Hybrid AI and Applications of AI.

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