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Soggetti	Artificial intelligence Computer engineering Computer networks Image processing - Digital techniques Computer vision Software engineering Education - Data processing Social sciences - Data processing Artificial Intelligence Computer Engineering and Networks Computer Imaging, Vision, Pattern Recognition and Graphics Software Engineering Computers and Education Computer Application in Social and Behavioral Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa

-- Workshop on Adaptive Smart areas and Intelligent Agents (ASSIA).
-- Birds and other animals detection through Artificial Intelligence: a full-system architecture. -- Towards Sustainable Recycling: Advancements in AI-Based Waste Classification. -- Introducing Coalitions to improve the performance of Federated Learning Consensus-based Algorithms. -- Private-Safe (Logic-based) Decision Systems for Energy Assignment in Agricultural Cooperatives. -- Adaptive Smart Areas: Tailoring Technology for the Development of Intelligent Rural Solutions. -- Gamification system for improved demand-responsive transportation. -- Value-aligned Decisions in Cooperative Environments. -- Workshop on Character Computing (C2).
-- Fake Emotion Detection Using Natural Language Processing. -- CARE: A Framework for Collecting and Annotating Emotions of Code-switched Words. -- Character traits and states, mental health and electrophysiological markers of self-referential affective processing – Novel approaches from psychological research for Character Computing and Brain-Computer Interaction. -- Workshop on Cognitive Assistants and Data Fusion (CogniBlend). -- University Student Dropout: Exploring the Explainability of the Predictive Model. -- A ROS-Based Federated Learning Framework for Decentralized Machine Learning in Robotic Applications. -- Efficient Depth Object Detection: Ablation-Driven Optimization for Lightweight YOLOV8 Architecture. -- Towards a low-rank approach to compress deep neural networks. -- Impact of Blurring on Edge Detection Performance a Survey. -- Towards Robustness in Intelligent Agents and Multi-agent Systems through Integration of Reinforcement Learning and Reasoning. -- Workshop on Decision Support, Recommendation, and Persuasion in Artificial Intelligence (DeRePAI). -- Collaborative Problem-Solving with LLM: A Multi-Agent System Approach to Solve Complex Tasks using Autogen. -- Machine Learning applied in Government Audit with focus on financial statement: A Systematic Literature Review. -- Biomechanical Behaviour of the Diabetic Foot in Patients with Neuropathy. -- Workshop on Intelligent Agents in Science and Engineering (IASE). -- Agent-based Modelling tools for CPS - An Experimental Evaluation. -- Transfer Learning with TD3 for Adaptive HVAC Control in Diverse Building Environments. -- Towards Static Analysis of BDI Agents on CPS Using Petri Nets and Model-Driven Engineering. -- Optimal Solar PV Site Identification using AutoEncoders and Clustering. -- Optimizing Deep Reinforcement Learning for Adaptive Robotic Arm Control. -- Comparative Analysis of Classic and Reinforcement Learning Approaches for Robot Navigation in Dynamic Environments. -- Workshop on Modelling and Simulation of Modern Energy Markets and Future Power Systems (MASSES). -- Multi-Scenario Based Optimal Allocation of Ultra-Fast Electric Vehicle Charging Station in the Distribution Network. -- A Comparative Analysis of MPPT and FPPT for Solar Photovoltaic Systems. -- Push-Sum Protocol with Random Proportion for Agents in Energy Trading. -- Workshop on Digital Twinning for training purposes in Industry 4.0 (Twin4Train). -- DITACT - Digital Twin for automated, customized training documents generation, A project to develop a generative digital twin for training materials. -- Interactive Learning in Pharmaceutical Engineering: Deploying Augmented Reality for Enhanced Understanding of Mixer Granulators. -- From Simulation to Application: The Transformative Role of Augmented Reality in Industry

4.0 Training. -- Transforming Organizational Training: A Study of Extended Reality Applications in Industry 4.0.

Sommario/riassunto

This book constitutes the refereed proceedings of the International Workshops on Practical Applications of Agents and Multi-Agent Systems, PAAMS 2024, held in Salamanca, Spain, during June 26–28, 2024. The 32 full papers presented here were carefully reviewed and selected from 44 submissions. Papers from the following workshops have been included in these proceedings: - Workshop on Adaptive Smart areaS and Intelligent Agents (ASSIA) Workshop on Character Computing (C2) Workshop on Cognitive Assistants and Data Fusion (CogniBlend) Workshop on Decision Support, Recommendation, and Persuasion in Artificial Intelligence (DeRePAI) Workshop on Intelligent Agents in Science and Engineering (IASE) Workshop on Modelling and Simulation of Modern Energy Markets and Future Power Systems (MASES) Workshop on Digital Twinning for training purposes in Industry 4.0 (Twin4Train) .