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Altri autori (Persone)	MachadoJose NovaisPaulo CortezPaulo MoreiraPedro Miguel
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Nota di contenuto	Generative AI – Foundations and Applications (GenAI) -- Large Language Model for Querying Databases in Portuguese -- A Novel Integration of Federated Learning and LSTM for Synthetic Time Series Generation -- Assessment on the Effectiveness of GitHub Copilot as a Code Assistance Tool: An Empirical Study -- AICIS: A System for Identifying AI Contribution in Textual Content -- Intelligent Robotics (IROBOT) -- AIMSM - A Mechanism to Optimize Systems with Multiple AI Models: A Case Study in Computer Vision for Autonomous Mobile Robots -- Defect Detection in the Painting of Combustion Device

Covers using the Deflectometry Method and YOLOv8 -- Information-Oriented and Energy-Aware Path Planning for Small Unmanned Aerial Vehicles -- Pollinationbots - A Swarm Robotic System for Tree Pollination -- Knowledge Discovery and Business Intelligence (KDBI) -- Extensible Data Ingestion System for Industry 4.0 -- Next Location Prediction with Time-Evolving Markov Models over Data Streams -- Improving Fraud Detection with 1D-Convolutional Spiking Neural Networks through Bayesian Optimization -- A Benchmark of Automated Multivariate Time Series Forecasting Tools for Smart Cities -- A Data Drift Approach to Update Deployed Energy Prediction Machine Learning Models -- Optimising Dialogue Flow Discovery -- BI-Enabled Web Visualization of In-Place Inclinometer Data for Geotechnical Applications -- An Empirical Evaluation of DeepAR for Univariate Time Series Forecasting -- Natural Language Processing, Text Mining and Applications (TeMA) -- Meta-prompting Optimized Retrieval-augmented Generation -- Pseudo-Semantic Graphs for Generating Paraphrases -- Compositionality and Ambiguity in Multiword Expressions: A Dataset for the Evaluation of Language Models in Galician -- Bypassing the Nuances of Portuguese Covert Hate Speech through Contextual Analysis -- Sequence Labeling for Pun Location and Detection in Portuguese -- Open Sentence Embeddings for Portuguese with the Serafim PT* Encoders Family -- WordNet Expansion with Bilingual Word Embeddings and Neural Machine Translation -- A Galician-Portuguese Generative Model.-Assessing the Trustworthiness of Large Language Models on Domain-specific Questions -- Data-Centric AI – Solutions and Emerging Technologies (DCenAI) -- Lag Selection for Univariate Time Series Forecasting using Deep Learning: An Empirical Study.-Chatbot Decision Support with Intent-Rich Structures in the Hospitality Industry -- Meta TadGAN: Time Series Anomaly Detection Using TADGAN with Meta-Features -- Context-aware Deep Forecasting: Principles for the Nation-wide Management of Blood Products.

Sommario/riassunto

The 3-volume set LNAI 14967, 14968, and 14969 constitutes the proceedings of the 23rd EPIA Conference on Artificial Intelligence, EPIA 2024, held in Viana do Castelo, Portugal, during September 3–6, 2024. The 94 full papers presented in these proceedings were carefully reviewed and selected from 187 submissions. The papers are organized in the following topical sections: Volume I: AI and Creativity (AIC); Ambient Intelligence and Affective Environments (AmIA); Artificial Intelligence and IoT in Agriculture (AloTA); Artificial Intelligence and Law (AIL); and Artificial Intelligence for Industry and Societies (AI4IS). Volume II: Artificial Intelligence in Medicine (AIM); Artificial Intelligence in Power and Energy Systems (AIPES); Artificial Intelligence in Transportation Systems (AITS); Ethics and Responsibility in AI (ERAII); and General AI (GAI). Volume III: Generative AI – Foundations and Applications (GenAI); Intelligent Robotics (IROBOT); Knowledge Discovery and Business Intelligence (KDBI); Natural Language Processing, Text Mining and Applications (TeMA); and Data-Centric AI – Solutions and Emerging Technologies (DCenAI).
