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Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 14992
Altri autori (Persone)	RudolphSebastian
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Soggetti	Artificial intelligence Computer engineering Computer networks Application software Education - Data processing Computer science - Mathematics Artificial Intelligence Computer Engineering and Networks Computer and Information Systems Applications Computers and Education Mathematics of Computing
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Livello bibliografico	Monografia
Nota di contenuto	-- Full Technical Papers. -- From Resolving Inconsistencies in Qualitative Constraints Networks to Identifying Robust Solutions: A Universal Encoding in ASP. -- Efficiently Training Neural Networks for Imperfect-Information Games by Sampling Information Sets. -- A Note on Linear Time Series Prediction. -- Data Augmentation in Latent Space with Variational Autoencoder and Pretrained Image Model for Visual Reinforcement Learning. -- Could the Declarer have Discarded It? Refined Anticipation of Cards in Skat. -- A Framework for General Trick-Taking Card Games. -- Mechanisms for Data Sharing in Collaborative Causal Inference. -- SaVeWoT: Scripting and Verifying Web of Things Systems and Their Effects on the Physical World. --

Active Learning in Multi-label Classification of Bioacoustic Data. -- Quantifying the Trade-Offs between Dimensions of Trustworthy AI - An Empirical Study on Fairness, Explainability, Privacy, and Robustness. -- Image Dataset Quality Assessment Through Descriptive Out-of-Distribution Detection. -- Saxony-Anhalt is the worst: Bias towards German federal states in Large Language Models. -- Towards Privacy-Preserving Relational Data Synthesis via Probabilistic Relational Models. -- Evaluating AI-based Components for Autonomous Railway Systems. -- SocialCOP: Reusable Building Blocks for Collective Constraint Optimization. -- Context-Specific Selection of Commonsense Knowledge Using Large Language Models. -- Graph2RETA: Graph Neural Networks for Pick-up and Delivery Route Prediction and Arrival Time Estimation. -- Data Generation for Explainable Occupational Fraud Detection. -- Leveraging Weakly Supervised and Multiple Instance Learning for Multi-label Classification of Passive Acoustic Monitoring Data. -- Technical Communications. -- Leveraging YOLO for Real-Time Video Analysis of Animal Welfare in Pig Slaughtering Processes. -- Early Explorations of Lightweight Models for Wound Segmentation on Mobile Devices. -- Automated Design in Hybrid Action Spaces by Reinforcement Learning and Differential Evolution. -- Instance segmentation with a novel tree log detection dataset. -- LaFAM: Unsupervised Feature Attribution with Label-free Activation Maps. -- Uli-RL: A Real-World Deep Reinforcement Learning Pedagogical Agent for Children. -- Explanatory Interactive Machine Learning with Counterexamples from Constrained Large Language Models. -- Extended Abstracts of Papers from other AI Conferences. -- MIND Your Language: A Multilingual Dataset for Cross-lingual News Recommendation (Extended Abstract). -- A Human-in-the-Loop Tool for Annotating Passive Acoustic Monitoring Datasets (Extended Abstract). -- Out-of-Distribution Detection with Logical Reasoning (Extended Abstract). -- A Brief Systematization of Explanation-Aware Attacks (Extended Abstract). -- Star-Shaped Denoising Diffusion Probabilistic Models (Extended Abstract). -- MIND Your Language: A Multilingual Dataset for Cross-lingual News Recommendation (Extended Abstract). -- A Human-in-the-Loop Tool for Annotating Passive Acoustic Monitoring Datasets (Extended Abstract). -- Out-of-Distribution Detection with Logical Reasoning (Extended Abstract). -- A Brief Systematization of Explanation-Aware Attacks (Extended Abstract). -- Star-Shaped Denoising Diffusion Probabilistic Models (Extended Abstract).

Sommario/riassunto

This book constitutes the proceedings of the 47th German Conference on AI, KI 2024, which was held in Würzburg, Germany, during September 25–27, 2024. The 19 full papers, 7 short papers and 5 other papers presented in this book were carefully reviewed and selected from 63 submissions. KI is one of the major European AI conferences and traditionally brings together academic and industrial researchers from all areas of AI, providing an ideal place for exchanging news and research results on theory and applications. The papers have been categorized into the following sections: full technical papers; technical communications; extended abstracts of papers from other AI conferences.