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Nota di contenuto	-- Optimization. -- Unmixing Detrital Zircon U-Pb Age Distribution Based on Multi-Objective Optimization. -- Top-k Rule List Learning via Integer Linear Programming. -- General Applications. -- A Robust

Airport Detection Method Based on Environment-Insensitive Saliency Analysis . -- Ethical Alignment in Citizen-Centric AI. -- An Attention Model based Approach for Leakage Detection in Water Distribution Networks using Normal Pressure Data. -- VisiDroid: An Approach for Generating Test Scripts from Task Descriptions for Mobile. -- Fine-grained Modalities Interaction for Cross-Modal Recipe Retrieval . -- Real-Time Energy Pricing in New Zealand: An Evolving Stream Analysis. -- Recognition of Hand-drawn Hydrocarbon Structure Formulas Using Anchor Free Detector. -- A Hybrid Model for Electric Vehicle Charging Infrastructure Planning. -- Transformers Fusing Wavelet with High-Frequency Enhancement for SAR Ship Detection. -- Contextual Bandit with Herding Effects: Algorithms and Recommendation Applications. -- Medical Applications. -- NETrack: A Lightweight Attention-based Network for Real-time Pose Tracking of Nasal Endoscope Based on Endoscopic Image. -- Robotic Control of Endoscope Assistance in Skull Base Surgery Based on Adaptive RCM Point. -- IRL for Restless Multi-Armed Bandits with Applications in Maternal and Child Health. -- 3D Deformable Convolution for Medical Image Registration. -- HDF-SegNet: Dynamic Integration of Hierarchical Information for Cardiac Magnetic Resonance Image Segmentation. -- Theoretical Foundations of AI. -- Fast solution to the fair ranking problem using the Sinkhorn algorithm. -- An in-label Prioritizing Variable Branching Strategy of SAT Solvers for Solving a Preferred Extension of Argumentation Frameworks. -- From First-Order to Second-Order Rationality: Advancing Game Convergence with Dynamic Weighted Fictitious Play. -- Block Argumentation: Characterising Acceptability Semantics with Two Types of Semantic Constraints. -- Rapid Cooperative Guidance with Finite Time Convergence. -- Relative Change-Reluctance in Iterated Belief Revision.

Sommario/riassunto

The five-volume proceedings set LNAI 15281-15285, constitutes the refereed proceedings of the 21st Pacific Rim International Conference on Artificial Intelligence, PRICAI 2024, held in Kyoto, Japan, in November 18–24, 2024. The 145 full papers and 35 short papers included in this book were carefully reviewed and selected from 543 submissions. The papers are organized in the following topical sections: Part I: Machine Learning, Deep Learning Part II: Deep Learning, Federated Learning, Generative AI, Natural Language Processing, Large Language Models, Part III: Large Language Models, Computer Vision Part IV: Computer Vision, Autonomous Driving, Agents and Multiagent Systems, Knowledge Graphs, Speech Processing, Optimization Part V: Optimization, General Applications, Medical Applications, Theoretical Foundations of AI.