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Nota di contenuto	-- ArsenicSkinNet: A Deep Learning Approach for Arsenicosis Skin Lesion Classification. -- Decoding Trust: An Agent-based Computational Model of User's Trust Interplay Dynamics in e-Hailing Services. -- PCHIP-HW: A Robust Approach for Imputing Microalgae Monitoring Data. -- Integrated IoT Solution for Electric Vehicle Charging Station System. -- Recognizing Vietnamese Vegetable Varieties and Quality using a Modified Hierarchical Classification and Multi-task Learning. -- Attention to the Branches: A Comparative Analysis of FairMOT with Transformers on Fish Dataset. -- Comparative study of Yolov8, Yolov9 and Yolov10 by their ability to detect mangoes., -- TrendScribe: Design and Development of a Pedagogic Trend Description Generator for Learners of English. -- Enhancement of LLMs-based Translation by Agentic Machine Translation in Thai Language. -- LEVERAGING SOCIAL MEDIA DATA TO ANALYZE PUBLIC SENTIMENT ON MEKONG DELTA'S ENVIRONMENTAL ISSUES. -- Charting Careers in Data Science and Artificial Intelligence: Community Perspectives on Degree Essentiality. -- Outlier Selection with Local intrinsic dimensionality and visualization using t-SNE. -- A

DCGAN-Based Method for Improving Animal Classification in Low Resolution Image. -- An Investigation of the Effect of Free-Players on Global Cooperative Behavior in a Spatial Prisoner's Dilemma Game Environment. -- ChatGPT Acceptance and Use among Software Developers in the Philippines: A Structural Equation Modeling Approach based on Extended UTAUT. -- Banana Variety Classification and Grading at Bunch Level. -- Efficient Implementation of 2SAT Formula Learning Over Finite Totally Ordered Domains. -- Unveiling Indian Public Sentiment: A Topic Modeling Comparison between LDA and BERTopic on "Mann ki Baat". -- Identifying Water Bodies in Satellite Images Using UNet3+. -- Selective Frame Analysis for Efficient Object Tracking: Balancing Speed with Accuracy in MOT Systems. -- Automated Many-to-One Matching Mechanism Design using Deep Learning. -- Optimizing Lane Configuration and ETC Adoption to Minimize Congestion and Costs at Toll Plazas. -- An Empirical Evaluation of Algorithms for Simple Stochastic Games. -- InterviewEase: AI-powered placement assistance. -- Boundary Extraction for Unseen Entities Prediction using Bidirectional Long Short-Term Memory. -- Personalized Pronunciation Practice Recommendation in Non-Native French Speakers Using Graph-Based Analysis. -- Solving the Vietnamese EdTech Timetabling Problem with Optimized Multi-Objectives. -- FrustumVL: A Frustum-based Visual Localization Framework for Urban Environments. -- Automatic Assessment of Vietnamese Proficiency Using BERT and Phrase Complexity. -- TOORNet: Training-free Online Object Removal Network for Adversarial Attacks on Intelligent Video Surveillance Systems. -- Optimizing Carpooling with Multiple Shared-destinations: Reasonable Fare Calculation and Effective Route Planning. -- GraphChem: Using Soft Graph Mixture of Experts for de novo Drug Design and Molecular Property Prediction. -- Enhancing Transparency and Fairness in Automated Resume Categorization: A KNN-Based Approach with Lime Explanations. -- On automatic generation of Escher-like Metamorphosis. -- Data-driven Anchor Box Optimization using Genetic Algorithm.

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### Sommario/riassunto

The two-volume set LNAI 15431 and 15432 constitutes the refereed proceedings of the 17th International Conference on Multi-disciplinary Trends in Artificial Intelligence, MIWAI 2024, held in Pattaya, Thailand, during November 11–15, 2024. The 68 full papers presented in these proceedings were carefully reviewed and selected from 147 submissions. The papers focus on various topics in AI and its applications, such as deep learning, machine learning, computer vision, pattern recognition, and natural language processing.

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