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| Nota di contenuto | -- 14th MHD Workshop. -- A Comparative Analysis of LLMs for Greek – English Machine Translation: ChatGPT-4 vs. Gemini. -- An AI Ethics 'Footprint' for a 'Do Good' AI in Healthcare contexts: Policy and Regulatory considerations. -- An Explainable AI System for Clinical Decision Support in Schwannomatosis. -- Analyzing Public Discourse and Sentiment in Climate Change Discussions Using Transformer-Based Models. -- Enhancing Facial Emotion Recognition using deep learning techniques in challenging conditions. -- Fine-Tuning BERT for Robust Sentiment Classification of IMDb Reviews. -- Human-AI Co-creation: LLMs, Contextual Hints, Performance. -- Knowledge Extraction and Ontology Modeling in the SALLY Chatbot. -- Knowledge Management Systems: A Review of Artificial Intelligence Integration and Technologies. -- LLM-powered Topic Modeling for Discovering Public Mental Health Trends in Social Media. -- Thyroid Nodule Classification Using Convolutional Neural Networks in Ultrasound Imaging. -- Uncovering Gender Biases in AI-Powered Low-Code and No-Code Solutions. -- 1st SilverTech Workshop. -- A NeuroSymbolic Human- |

in-the-loop Approach Towards Fusing Medical Expert Knowledge with ANNs. -- Conceptualization and functional specifications of an e-learning ecosystem towards the support of older adults and their supports in developing digital and health. -- Digital Twins in Older adults' Mental Healthcare: A Literature Review. -- Early Detection and Prevention of Dementia: an AI-Driven Multimodal Approach. -- Improved Explainability on Clinical Settings through the Utilization of an Advanced Explainable Dashboard Hub. -- Leveraging BERT Variants for Intent Classification in Patient Summary Chatbots. -- The ETHAI methodology. A context-sensitive, actionable approach to ethics of AI in Healthcare. -- 2nd AI4GD Workshop. -- Advancing Urban Air Quality Forecasting: A Deep Learning Approach for Real-Time Monitoring in Sofia. -- Beyond 3D: A Multi-Dimensional Approach to BIM for Smart and Sustainable Buildings. -- Computer Vision-Based Plant Growth Stages Analysis for Optimizing Crop Yield. -- Data Modelling for multi-level Energy Systems: A Practical Framework from Buildings to cities. -- Deep Learning-Based Precise Leaf Analysis for Segmentation and Deficiency Classification under Controlled Environment. -- Digital Competencies for Caregiving: Preliminary Review of Literature. -- Interactive 2D Design: A user friendly Grid-Based Approach for Smart Digital Twins. -- The Role of IoT and 3D Modeling in Shaping Industry 5.0. -- Urban Land Use Classification of High-Resolution Aerial Imagery Using RemoteCLIP: A Case Study of Sofia.

| Sommario/riassunto | This 2-volume set constitutes the refereed proceedings of International Workshops, held as parallel events of the 21st IFIP WG 12.5 International Conference on Artificial Intelligence Applications and Innovations, AIAI 2025, held in Limassol, Cyprus, during June 26–29, 2025. The 44 full papers and 6 short papers presented in these proceedings were carefully reviewed and selected from 117 submissions. The AIAI 2025 conference hosts several workshops that support innovative research on various specific and hot scientific domains every year. These satellite events offer a deep insight into both rapid advances and timely creative applications of AI. |