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Nota di contenuto	-- Energy and Environment. -- The Impact of COVID-19 and the Russo-Ukraine War on Natural Gas Flow Through Time Series

Forecasting. -- Forecasting Energy Availability in Local Energy Communities via LSTM Federated Learning. -- Green IT and Sustainable Practices of Local Authorities in France. -- Visual Analytics for Qualification Support of an Interpretable Machine Learning Application for Predictive Maintenance of Gas Turbine Blades. -- Recommendation Systems. -- Enhancing Structural Minority Visibility in Link Recommendations. -- From Individual to Group: Developing a Context-Aware Multi-Criteria Group Recommender System. -- Personalized E-Learning Knowledge Graph-based Recommender System using Ensemble Attention Networks. -- Optimizing Recommender Systems through Enhanced User-Item Pair Exchanges. -- Social Networks and Emotion Recognition. -- Assessing Pre-trained Transformer Models for Textual Emotion Sensing In Continuous Space. -- Unlabeled Multimodal Datasets for Robust Emotion Recognition. -- Near: A Mobile Social Network for Finding Nearest Users with Privacy Preservation. -- Medical and Health Issues. -- Hybrid Deep Learning Model for Predicting Mental Health States from Digital Media Content. -- Advanced Prostate MRI Analysis: UNET-based Models for Zonal and Lesion Segmentation. -- Data-Centric Security Model Based on Attribute-based Cryptography for Healthcare Systems. -- A Conversational Agent for Handling Health Report Inquiries. -- Cybersecurity and Privacy. -- ELISAR: An Adaptive Framework for Cybersecurity Risk Assessment Powered by GenAI. -- Towards the Integration of Lightweight Components in Cyber-Physical Systems. -- A Distributed Multi-agent-based Deep Learning Model for Detecting DDoS. -- Evaluating Service-based Privacy-Protection for Augmented Reality Applications. -- Data Mining Operations. -- Boosting the Discovery of Interval Patterns using SAT. -- Classification on Multi-label Data with Ordered Labels. -- Exploring Clustering Improvement: A Comparative Study of Utilizing Metaheuristics and Initialization Strategies. -- Understanding Users' Behavior in Food Delivery Applications: The EBAI Conceptual Model for Clickstream-Based Segmentation. -- Parallel and Distributed Systems. -- Federated Discovery on the Web of Things. -- Parallel Suffix Array Blocking for Efficient Entity Resolution based on Spark. -- Mars Button: Gamifying Asynchronous Communication for Enhanced User Engagement Across Digital Platforms. -- Network Aspects. -- Enhancing UI Tests Robustness With Graph Convolutional Networks. -- Leveraging Large Language Models (LLMs) to Match Job Offers with Candidate CVs. -- The Dual Role of Subaerial Biofilms through the Lens of AI: the case for Causal Networks and Targeted Learning. -- Applications. -- Whose Smartphone? Pairing Each Individual in the Panoramic Video with their Respective Smartphone. -- Clustering and Association Rules Mining for Coral Reef Fish Distribution: A Data-Driven Approach in the Mediterranean Sea. -- Modeling Government Business Ecosystems with Ecosystem Governance Compass. -- Stylometric Features Embedding for the Task of Author Attribution.

Sommario/riassunto

This book constitutes the proceedings of the 16th International Conference on Management of Digital EcoSystems, MEDES 2024, held in Naples, Italy, during November 2024. The 23 full papers and 10 Short papers included in this book were carefully reviewed and selected from 65 submissions. They were organized in topical sections as follows: Energy and Environment; Recommendation Systems; Social Networks and Emotion Recognition; Medical and Health Issues; Cybersecurity and Privacy; Data Mining Operations; Parallel and Distributed Systems; Network Aspects, and Applications.