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Nota di contenuto	-- Cyber-Physical Systems and Networking Technologies as a New Frontier for Economic Security: The Impact of Data Integration and Network Infrastructure on National Economies. -- The applications of AI-powered chatbots in delivering mental health support: A systematic literature review. -- Retail Marketing Transformation through Software-Defined Networking and Customer Sentiment Insights. --

Processing and Analysis of Network Flow Data Using Intelligent Technologies. -- Accelerating Image Processing on GPU with CUDA Technology. -- Protection of Transaction Data of Financial Information Systems in Communication Networks Based on Sea80 New Stream Encryption Algorithm. -- Digital And Economic Factors In University Access: Sobel-Goodman Mediation Model. -- The Role of Digitization in the Provision of Commercial Banking Services. -- Assessing the Impact of Digital Trading Platforms on High-Technology Export Volumes: A Case Study of Uzbekistan. -- Communication Service Profit as a Catalyst for Greening Global Trade Exports. -- Text classification for social networks: solving short text and informal language problems. -- Quantitative Analysis and Algorithmic Enhancement of Semantic Coherence in Multi-Domain Automated Information Processing Systems. -- Designing an Intelligent Management Support System for Higher Education Institutions Using Predictive Analytics. -- Testing the Technology and Reliability of Using the Zigbee Network in Underground Mining Operations. -- A Mathematical Model and Algorithm for Data Analysis in The Intelligent Management System for Mining and Transport Complexes. -- Digital University: Building a Flexible, Inclusive, and Sustainable Education System. -- Quantum Algorithms for Optimization Problems. -- Uncertainty-based Dynamic Weighted Experience Replay for Human-in-the-loop Deep Reinforcement Learning. -- Optimization Of Video Traffic Classification Using Machine Learning Methods. -- Application of the Robot for Placing Entomophages in Fields to Combat Insect Pests. -- Intelligent Control System for Ore Transportation and Grinding Process in Gold Mining Fields. -- Methods to Enhance the Role and Efficiency of Telecommunication and Ozone Technologies in Water Resource Management. -- Exploring the Efficacy of Heteroscedasticity Reduction Methods in Multifactor Regression Models Using Python. -- Financial-Digital Synergy in OECD Economies: Panel PMG-ARDL Analysis. -- Numerical Analysis of Transport Coding Efficiency.

Sommario/riassunto

This two-volume set LNCS 15554 and LNCS 15555 constitutes the refereed proceedings of the 24th International Conference on Next Generation Wired/Wireless Networking, NEW2AN 2024, and the 17th Conference on Internet of Things and Smart Spaces, ruSMART 2024, held in Marrakesh, Morocco, during December 11–12, 2024. The 48 full papers included in the joint proceedings were carefully reviewed and selected from 354 submissions. They address various aspects of next-generation data networks, with special attention to advanced wireless networking and applications. In particular, novel and innovative approaches to performance and efficiency analysis of 5G and beyond systems, advanced queuing theory, and machine learning are demonstrated. Additionally, the papers focus on the Internet of Things, optics, signal processing, as well as digital Economy and business aspects.