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Nota di contenuto	-- AI in Public Services & Industry. -- Government Digitalization and Tax Collection Efficiency in Emerging Economies. -- Toward the Development of the Ukrainian Water Quality Index (UWQI). -- Towards a RAG Based Framework for Accounting Practices: Context Aware Question Generation. -- Analysis and forecasting of land use changes using QGI. -- Enhancing Wine Fermentation: The Role of AI Driven Predictive Modeling in Flavor Optimization. -- Intelligent and Energy Aware Task Scheduling in Cloud Systems. -- Machine Learning and Time Series Based Demand Forecasting in Turkish Textile Warehouses.

-- Educational Technology & E Learning. -- Digital instruments as a catalyst for harmonization of the land management system: international experience and Ukrainian perspectives. -- Study of the relevance of the use of interactive simulations for teaching students of technical and technological specialties. -- Integration of ISO standards into the educational process of training teachers of vocational (professional and technical) education in transport while designing logistics systems. -- Smart Complexes in Engineering Education: A Postmodernist Approach to the Digital Learning Environment. -- Smart Manufacturing & Industry 4.0. -- Improvement of Dried Products Technology with Modification of Flavor and Aromatic Properties with Integration of Smart Technologies -- The Digitalization Role in Ensuring the Environmental and Economic Efficiency of Commodity Crops. -- Hybrid Deep Learning Models for Short Term Forecasting Item Demands in Retail. -- Design and Implementation of a Custom ERP Framework for a Drilling Equipment Manufacturer. -- Organizational Resilience Measurement and Development Approaches at an Energy Production Company in Türkiye. -- Smart Cities & Urban Innovation. -- AI Driven Flood Severity Forecasting for Sustainable Urban Development (SDG11): Comparing Regression, Ensemble, and Deep Learning Methods. -- Assessment of the Impact of Financial Regulation on the Design of Industrial Facilities Regarding Environmental Issues Using Digital Technologies. -- Inclusive Development of Territorial Units Based on Smart Specialization as a Foundation for Environmental Security -- Location Optimization of Micro Depots in Urban Food Logistics. -- Digital Governance and Transformation. -- A lexicon based approach for identifying influential individuals within social networks. -- Developing Students' Critical Thinking through the Analysis of Foreign Policy and the Use of Information and Analytical Tools. -- Institutional mechanisms of digital transformation of accounting and control in agribusiness. -- Computational Modeling of Phase Transformation in 15-5PH Stainless Steel under Rapid Induction Heating using FEM JMAK Framework. -- The Influence of Digital Transformation on Customer Loyalty in the Banking Sector: The Mediating Role of Customer Experience. -- The Role of Green Information Systems in India's Environmental Sustainability: A Review Based Perspective.

Sommario/riassunto

The two-volume set CCIS 2651 + 2652 constitutes the proceedings of the 5th International Conference on Science, Engineering Management and Information Technology, SEMIT 2025, held in Dubai, UAE, during September 11–13, 2025. The 35 full papers and 4 short papers included in the proceedings were carefully reviewed and selected from 221 submissions. They were organized in topical sections as follows: AI in Public Services & Industry; Educational Technology & E-Learning; Smart Manufacturing & Industry 4.0; Smart Cities & Urban Innovation; Digital Governance & Transformation; Sustainable & Circular Decision-Making; and Computational Intelligence and Data Privacy in Healthcare, IT, and Public Services.
