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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Tangential shear stress in an oscillatory flow of a viscoelastic fluid in a flat channel -- Comparison of Finite Difference Schemes of Different Orders of Accuracy for the Burgers Wave Equation Problem -- Numerical solution of the combustion process using the computer package ANSYS fluent -- Simulation Modeling of Reliability of Packet Switching Unit -- Analytical Model for Assessing the Reliability of the Functioning of the Adaptive Switching Node -- Artificial intelligence software architecture in the field of cardiology and application in the cardio vessel project using CJM and customer development methods -- Using discretization and numerical methods of problem 1d-3d-1d model for blood vessel walls with Navier-Stokes -- Numerical simulation of a flow in a two-dimensional channel on the basis of a two-liquid turbulence model -- Application fuzzy neural network methods to detect cryptoattacks on financial information systems based on blockchain technology -- Method authentication of objects information communication systems -- TEDCTSSA: Trust Enabled Data Collection Technique based Sparrow Search Algorithm for WSN-based Applications -- ISTOA: An improved Sooty Tern Optimization Algorithm for multilevel threshold image segmentation -- Implementing digital transformation in the logistics system of Uzbekistan -- Numerical

modeling of vertical axis wind turbines using ANSYS FLUENT software -- "i'll wait 4 ur answr!" A Study on Modern Style of Cyber-Writing and User Reactions -- Improvement of information support in intelligent information energy systems -- The Assessment of the Effectiveness of the Development of Digital Technologies in Commercial Banks in Uzbekistan -- The Study of the Impact of the Digital Economy on the Growth of E-Government Services in Uzbekistan -- Deep learning algorithm for classifying dilated cardiomyopathy and hypertrophy cardiomyopathy in transport workers -- eCommerce benchmarking: theoretical background, variety of types, and application of competitive-integration benchmarking -- Cryptocurrencies as the money of the future -- A Data Security Technique Combining Asymmetric Cryptography and Compressive Sensing for IoT Enabled Wireless Sensor Networks -- Energy Efficient and Secure Scheme based Compressive Sensing method for Internet of Vehicles -- Impact of digital technologies on women's employment -- The impact of digitalisation on the safe development of individuals in society -- Econometric Evaluation of the Efficiency of the Management of the Enterprise through the Supply of Raw Materials in Oil Enterprises in the Conditions of the Digital Economy -- The impact of digital infrastructure, foreign direct investment and trade openness on economic growth: In the case of Uzbekistan -- The impact of the financial ratios on the financial performance. A case of Chevron Corporation (CVX) -- The impact of the digitalisation of payment systems on the profitability of commercial banks -- The main aspects and benefits of digital transformation of business entities -- The influence of the capital structure of state enterprises on the profitability of the enterprise -- Exploring the development of China's digital trade in the context of the domestic and international double cycle -- A systematic mapping study of using the cutting-edge technologies in marketing: the state of the art of four key new-age technologies -- Social Media Marketing for Educational Purposes: Goals, Objectives and Content of the Training Course -- Digital Marketing and Smart Technology Marketing Systems as the future of metaverse -- The impact of the digital economy on the development of higher education -- What is the state-of-the-art contribution of the higher education system to the digital economy: a systematic mapping study on changes and challenges -- Innovating primary education of promoting students' language competencies through mobile assisted language learning approach: Selection framework of innovative digital technologies -- Econometric assessment of the dynamics of development of the export authority of small business and private business subjects in the conditions of the digital economy -- The significance of the Internet of Things for ensuring the smooth operation of network functions in fintech -- Impact of E-government on Poverty Rate: a Cross- Country Empirical Assessment -- An empirical investigation of the relationship between e-government development and multidimensional poverty -- On Digital Twin Software and Cyber Threats -- On local services based on non-standard Wi-Fi Direct usage model -- Compatibility analysis between 5G NR and ultra-wideband devices in the 6425-7125 MHz frequency band -- 6 GHz band sharing study for FWA base stations and GEO satellite receivers -- Federated Learning Strategies Over Wireless Channels -- Data Routing in UAV Networks with Multiple Data Sources using Steiner Tree -- Reduced complexity distributed arithmetic architecture for FIR filters -- Blockchain-driven Hybrid Model for IoT Authentication -- An Heuristic Approach for Mapping of Service Function Chains in Softwarized 5G Networks -- Multi-threshold hysteresis-Based Congestion Control for UAV-based Detection Sensor

Network -- Analysis of the capacity gain of Probability Shaping QAM -- LoRa Mesh Network for Image Transmission: An Experimental Study -- Blockchain Technology – Innovation for Better Collaboration and Increased Efficiency. The U.S. Logistics and Trucking Industry Case -- Econometric Study of the Impact of the Digital Economy on the Gross Product in Anti-monopoly Conditions -- Predictive models for effective management of e-commerce in New Uzbekistan -- The role of IT on transportation, logistics and the economic growth among Central Asian countries.

Sommario/riassunto

This book constitutes the joint refereed proceedings of the 22nd International Conference on Internet of Things, Smart Spaces, and Next Generation Networks and Systems, NEW2AN 2022, held in Tashkent, Uzbekistan, in December 2022. The 58 regular papers presented in this volume were carefully reviewed and selected from 282 submissions. The papers of NEW2AN address various aspects of next-generation data networks, while special attention is given to advanced wireless networking and applications. In particular, the authors have demonstrated novel and innovative approaches to performance and efficiency analysis of 5G and beyond systems, employed game-theoretical formulations, advanced queuing theory, and machine learning. It is also worth mentioning the rich coverage of the Internet of Things, optics, signal processing, as well as digital economy and business aspects.
