

1. Record Nr.	UNISA996601561703316
Autore	Koucheryavy Yevgeni
Titolo	Internet of Things, Smart Spaces, and Next Generation Networks and Systems : 23rd International Conference, NEW2AN 2023, and 16th Conference, RuSMART 2023, Dubai, United Arab Emirates, December 21-22, 2023, Proceedings, Part II
Pubbl/distr/stampa	Cham : , : Springer, , 2024 ©2024
ISBN	9783031609978 9783031609961
Edizione	[1st ed.]
Descrizione fisica	1 online resource (411 pages)
Collana	Lecture Notes in Computer Science Series ; ; v.14543
Altri autori (Persone)	AzizAhmed
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Preface -- Organization -- Contents - Part II -- Contents - Part I -- Models and Algorithms for Decision Making in Intelligent Control Systems -- 1 Introduction -- 2 Formulation of the Problem -- 3 Methodology -- 4 Results and Discussion -- 5 Conclusion and Suggestions -- References -- Ways of Effective Using of Mobile Technologies in the Development of Recreational Tourism -- 1 Introduction -- 2 Research Methodology -- 3 Literature Review -- 4 Result and Discussion -- 5 Conclusion -- References -- Applications of Fuzzy Set Models in Optimizing Agricultural Production Structures in Smart Farms -- 1 Introduction -- 2 Literature Review -- 3 Data and Methodology -- 4 Results and Discussion -- 5 Conclusion -- References -- Parallel Approaches to Accelerate Deep Learning Processes Using Heterogeneous Computing -- 1 Introduction -- 2 Heterogeneous Computing Systems in AI -- 3 Related Works -- 4 Using CUDA and OpenCL Technology in Deep Learning -- 4.1 CUDA Architecture in Deep Learning -- 4.2 OpenCL Architecture in Deep Learning -- 5 Experimental Results -- 6 Conclusion -- References -- A Zigbee Monitoring Network Construction Method for Greenhouse Agricultural Environment -- 1 Introduction -- 2 Introduction to Sensors -- 2.1 Air Temperature and Humidity Sensor -- 2.2 Light Intensity

Sensor -- 2.3 Soil Temperature Sensor -- 2.4 Soil Moisture Sensor -- 2.5 Carbon Dioxide Sensor -- 3 System Design -- 3.1 Overall System Design -- 3.2 Data Acquisition Module -- 3.3 Power Module -- 3.4 Serial Communication Module -- 3.5 Ethernet Communication Module -- 4 Experimental Design -- 4.1 Environment Settings -- 4.2 Experimental Results -- 5 Conclusion -- References -- Development of Fully Synthetic Medical Database Shuffling Method -- 1 Introduction -- 2 Related Works -- 3 Proposed Work -- 3.1 Creating Database from Statistics. 3.2 Shuffling Before Big Loop -- 3.3 Shuffling Before Big Loop Big Loop -- 3.4 Neural Network -- 4 Evaluation of the Method -- 5 Results -- 6 Discussion -- 7 Conclusion -- References -- Restriction in Flow Area in Gas Network -- 1 Introduction -- References -- Numerical Investigation of Laminar-Turbulent Flow in a Suddenly Expanding Channel -- 1 Introduction -- 2 Physical and Mathematical Formulation of the Problem -- 3 Solution Method -- 4 Calculated Grids -- 5 Numerical Scheme -- 6 Calculation Results and Their Discussion -- 7 Conclusions -- References -- Experimental Results of Econometric Modeling of Economic Processes -- 1 Introduction -- 2 Analysis of Literature on the Topic -- 3 Research Methodologies -- 4 Analysis and Results -- 5 Conclusion -- References -- Forecasting ICT Service Exports in Continental Trio Countries Using the ARIMA Model -- 1 Introduction -- 2 Methods and Materials -- 2.1 Data Source -- 2.2 Statistical Software -- 2.3 ARIMA Modeling -- 2.4 ARIMA Regression -- 3 Results -- 4 Discussions -- 5 Conclusion -- References -- From Bricks to Bits: Revolutionizing Real Estate for the Digital World -- 1 Introduction -- 2 Related Work -- 2.1 Global Pioneers Applying Blockchain in Real Estate Transactions -- 2.2 Encryption-and Blockchain-Driven Real Estate Approaches -- 3 Approach -- 3.1 Traditional Real Estate Management Model -- 3.2 RSA and Blockchain-Based Real Estate Transaction -- 4 Evaluation Scenarios -- 4.1 Land Certificate (i.e., NFT) Journey in IPFS -- 4.2 Smart Contract Deployment on the Four EVM-Supported Platforms -- 5 Conclusion -- References -- The Next Horizon in Blood Product Management: Safety, Transparency, and Beyond -- 1 Introduction -- 2 Related Work -- 2.1 Blockchain-Based Blood Donation Approach -- 2.2 Encryption Mechanisms in Blood Donation Systems -- 2.3 Comparison with RSA Encryption in Our Work -- 3 Approach. 3.1 Blood Donation Traditional Process -- 3.2 RSA and Blockchain-Based Blood Donation System -- 4 Evaluation Scenarios -- 4.1 The Encryption and Transfer NFT Process -- 4.2 NFT Journey in IPFS -- 4.3 Smart Contract Deployment on EVM-Supported Platforms -- 5 Conclusion -- References -- Mental Health of a Person as a Result of the Transformation of Socio-economic System -- 1 Introduction -- 2 Research Methodology -- 3 Results -- 4 Conclusion -- References -- Econometric Analysis of Economic and Ecological Aspects of Sustainable Development of Regions in Terms of Digital Economy -- 1 Introduction -- 2 Literature Review -- 3 Methodology and Material -- 3.1 Materials -- 3.2 Data Collection -- 3.3 Statistical Tests and Tools -- 3.4 Model Analysis -- 4 Analysis and Results -- 5 Conclusion -- References -- Growing up in a Connected World: Internet Usage Dynamic is Digital Age or Child Special Quality? -- 1 Introduction -- 1.1 Study Area -- 1.2 Study Limitation -- 1.3 Research Methods -- 1.4 Data Collection -- 1.5 Generalizing Hypothesis -- 2 Literature Review -- 3 Results -- 4 Conclusion -- References -- Problems of Security of Economic and Ecological Systems in the Countries of the Central Asian Region -- 1 Introduction -- 2 Methods -- 3 Results -- 4 Discussion -- 5 Conclusions -- References -- The Importance

of Digitalization in Economic Development of the Government -- 1
Introduction -- 2 Literature Review -- References -- The Role of Digital
Economy Among Central Asian Countries' Economy -- 1 Introduction
-- 2 Literature Review -- 3 Research Design -- 3.1 Sample
Characteristics -- 3.2 Model Specification -- 4 Results and Discussion
-- 5 Conclusion -- References -- Improving the Efficiency of Housing
Stock Management in the Context of Digitalization -- 1 Introduction --
2 Literature Review -- 3 Data and Methodology -- 4 Results
and Discussion.
5 Conclusion -- References -- Tailoring Marketing Strategies for Food
Products Within the Dynamics of Context and Location-Aware Pervasive
Systems -- 1 Introduction -- 2 Literature Review -- 3 Methodology --
4 Results and Discussion -- 5 Conclusion and Future Research
Directions -- References -- Navigating the Digital Landscape:
Enhancing Service Discovery and Portability in Digital Marketing
Strategies -- 1 Introduction -- 2 Literature Review -- 3 Methodology
-- 4 Results and Discussion -- 5 Conclusion -- References --
Applications of Artificial Intelligence Regarding Traffic Management --
1 Introduction -- 2 Method -- 3 Results -- 4 Conclusion -- References
-- Enhancing Digital Market Research Through Distributed Data
and Knowledge-Based Systems: Analyzing Emerging Trends
and Strategies -- 1 Introduction -- 2 Literature Review -- 3 Methods
-- 4 Results -- 5 Discussion -- 6 Conclusion -- References --
Investigating the Dynamics of Digital Marketing in Enterprises
with Advanced Data Capturing and Networking Technology -- 1
Introduction -- 2 Literature Review -- 3 Methods -- 4 Results -- 5
Discussions and Conclusion -- References -- A Comparative Analysis
of Financing Methodologies for Innovative Business Projects Within
Digital Ecosystems -- 1 Introduction -- 2 Literature Review -- 3
Research Design and Methodology -- 4 Results -- 5 Discussion -- 6
Conclusion -- References -- Features of Regional Innovative
Development of Small and Medium Business -- 1 Introduction -- 2
Literature Review -- 3 Methodology -- 4 Analysis -- 5 Conclusions
and Suggestions -- References -- Criteria and Assessment
of Opportunities for Creating Digital Ecosystems by 5G Mobile
Operators -- 1 Introduction -- 2 The Problem of Forming Criteria
for Building Business Ecosystems -- 3 Analysis of Creating Ecosystems
Practice by Mobile Operators.
4 Development of a System of Criteria for Making Decisions on Creation
of Digital Ecosystems by 5G Mobile Operators -- 5 Conclusion --
References -- Strategic Analysis of Business Positioning Through Web
Intelligence Technologies: A Study on Adaptive Models and Approaches
-- 1 Introduction -- 2 Literature Review -- 3 Methodology -- 4 Results
-- 5 Discussions and Conclusion -- References -- Gravity Model
of Foreign Economic Processes of Central Asia Countries -- 1
Introduction -- 2 New Foreign Economic Opportunities of the Central
Asian Countries -- 3 Conclusion -- References -- The Impact
of the ICT and Export Diversification on Income Inequality: Panel
Quantile Regression Analysis -- 1 Introduction -- 2 Literature Review
-- 2.1 The Impact of ICT on Income Inequality -- 2.2 The Impact
of Export Diversification on Income Inequality -- 3 Data
and Methodology -- 4 Results and Discussion -- 5 Conclusion --
References -- Utilities of Chatbots in Teaching Russian as a Foreign
Language at Higher Education Institutions -- 1 Introduction -- 2
Literature Review -- 3 Data and Methodology -- 4 Results
and Discussion -- 5 Conclusion -- References -- Edge Caching
Cooperation in NDN Scenarios for Self-organizing Networks -- 1
Introduction -- 2 Information-Centric Networks and NDNs -- 3

Information-Centric Networks and NDNs -- 4 Cache Modeling in NDN:
General Approaches -- 5 System Model of Edge Caching -- 6
Conclusions -- References -- Diverse Localization Techniques in
Wireless Sensor Networks: A Review -- 1 Introduction -- 2
Classification of Localization Based on Technique -- 2.1 Centralized
and Distributed Algorithms -- 2.2 Anchor Free and Anchor Based
Algorithms -- 2.3 Range-Free and Range-Based Algorithms -- 3
Classification Based on Mobility -- 3.1 Mobile Sensors and Static
Anchors -- 3.2 Mobile Anchors and Static Sensors.
3.3 Mobile Anchors and Mobile Sensors.
