

1. Record Nr.	UNINA9910736976803321
Autore	Li Menggang
Titolo	IEIS 2022 : Proceedings of 9th International Conference on Industrial Economics System and Industrial Security Engineering // edited by Menggang Li, Guowei Hua, Xiaowen Fu, Anqiang Huang, Dan Chang
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-9936-18-7
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (178 pages)
Collana	Lecture Notes in Operations Research, , 2731-0418
Altri autori (Persone)	HuaGuowei FuXiaowen HuangAnqiang ChangDan
Disciplina	338.6
Soggetti	Business logistics Service industries Logistics Supply Chain Management Services
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Contents -- The Impact of Digitalization on Teleworking Communication and Trust in the Post Epidemic Era -- 1 Introduction -- 2 Theory and Research Question -- 3 Research Method -- 4 Data Analysis -- 5 Conclusion -- References -- Study on Food Safety Supervision Countermeasure of Agricultural Products Wholesale Market -- 1 Introduction -- 2 Current Problems of Food Safety Supervision -- 2.1 Poor Food Safety Awareness -- 2.2 Imperfect Quality and Safety Management System -- 2.3 Irregular Market Order -- 2.4 Low Efficiency of Government Regulation -- 3 Game Analysis of Interest Subject -- 3.1 Game Analysis Between Government Department and Wholesale Market -- 3.2 Game Analysis Between Wholesale Market and Wholesaler -- 4 Policy Suggestions -- 4.1 Countermeasures at Government Level -- 4.2 Countermeasures at Wholesale Market Level -- References -- Blockchain Deposition and Copyright Protection Method for Self-Published Content Infringement -- 1 Introduction -- 2

Concept Clarity: Blockchain and Technical Features -- 2.1  
Decentralization -- 2.2 Openness -- 2.3 Traceability -- 2.4 Irreversible  
-- 2.5 Anonymity -- 3 Copyright Dilemma: Self-Media Struggles  
to Maintain Rights -- 3.1 Difficult to Confirm the Rights of Original  
Works -- 3.2 Infringement Occurred to Maintain the Rights  
of the Difficult -- 3.3 The Platform Identifies the Difficulty  
of Supervision -- 4 Application Scenario: Blockchain Becomes the Key  
to Copyright Deposit and Protection -- 4.1 Blockchain Facilitates  
Copyright Transactions -- 4.2 Blockchain Helps to Ensure  
the Authenticity of Evidence -- 4.3 Blockchain Facilitates Clear  
Copyright Attribution Disputes -- 5 Technology Cold Thought:  
Blockchain Brings Challenges to Self-Media Communication  
and Regulation -- 5.1 Technology and Law: Blockchain and Copyright  
Boundaries Overlap.  
5.2 Algorithmic Black Box: Self-Media Communication is Caught  
in a "Trust Loop" -- 5.3 Human-Machine Symbiosis: Blockchain  
Technology Weakens Humanistic Colors and Deviates from Mainstream  
Values -- 6 Conclusion -- References -- A Novel Multi-Attribute  
Decision-Making Method Based on Linguistic Fermatean Fuzzy Sets  
and Power Average Operator -- 1 Introduction -- 2 Basic Notions --  
2.1 Fermatean Fuzzy Sets -- 2.2 Power Average Operator -- 3  
Linguistic Fermatean Fuzzy Sets and Their Properties -- 3.1 Definition  
of Linguistic Fermatean Fuzzy Sets -- 3.2 Operational Rules  
of Linguistic Fermatean Fuzzy Numbers -- 3.3 Distance Measure  
Between Any Two Linguistic Fermatean Fuzzy Numbers -- 3.4  
Comparison Method of Linguistic Fermatean Fuzzy Numbers -- 4  
Power Average Operators for Linguistic Fermatean Fuzzy Numbers --  
4.1 The Linguistic Fermatean Fuzzy Power Average Operator -- 4.2 The  
Linguistic Fermatean Fuzzy Power Weighted Average Operator -- 5 The  
Procedure of A novel Multi-Attribute Decision-Making Method -- 6  
An Illustrative Example -- 7 Conclusions -- References --  
Establishment of Evaluation System to Ensure the Safety  
of Environmental Industry in China Under the New Development Pattern  
-- 1 Introduction -- 2 Industrial Safety and Its Influencing Factors -- 3  
Construction of a New System Model of Industrial Safety Index  
Environmental -- 4 Empirical Study on the New System Model  
of Environmental Industrial Safety Index -- 4.1 Index Boundary Setting  
and Score Mapping -- 4.2 Empirical Methods -- 4.3 Determination  
of Index Weight -- 4.4 Result Analysis -- 5 Conclusions -- References  
-- Research on Copyright Protection of Digital Publications Based  
on Blockchain Technology -- 1 Introduction -- 2 Copyright Protection  
Issues and Industry Transformation Dilemma of Digital Publishing  
Development -- 3 Blockchain Technology in the Field of Digital  
Publishing.  
3.1 The Advantages of Blockchain Technology in Digital Publishing --  
3.2 Blockchain Technology in Practice in the Field of Digital Publishing  
-- 4 Problems and Solutions of Blockchain Applied to Copyright  
Protection of Digital Publishing -- 4.1 Issues -- 4.2 Solution -- 5  
Conclusion -- References -- Importance Evaluation of Factors  
for the Railway Accidents Based on TF-K -- 1 Introduction -- 2  
Literature Review -- 2.1 Cause Analysis of Railway Accidents -- 2.2  
Application of Text Mining in Accident Cause Analysis -- 3 Theory  
of Complex Network -- 4 Importance Evaluation Model for the Railway  
Accidents' Factor -- 5 Application -- 5.1 Data Collection -- 5.2  
Extraction of Accident Factors -- 5.3 Importance Evaluation of Accident  
Factors -- 6 Result Analysis -- 6.1 Importance Analysis  
of the Accidents' Factors -- 6.2 Validation of Model's Validity -- 7  
Conclusion and Discussion -- 7.1 Conclusions -- 7.2 Innovation

and Reflection -- References -- The Contradiction Between Private Tutoring Industry and Capitalization -- 1 Introduction -- 2 Data -- 3 Analysis -- 4 Conclusions -- References -- Literature Review of Audio-Driven 2D Avatar Video Generation Algorithms -- 1 Introduction -- 2 Methods of Audio-Driven Talking Face Generation -- 2.1 Direct Mapping from Audio to Talking Face -- 2.2 Connecting Audio and Output Using Intermediate Modal Representation -- 2.3 Dataset -- 2.4 Evaluation Metric -- 3 Methods of Co-speech Gesture Generation -- 3.1 Research Progress -- 3.2 Dataset -- 3.3 Evaluation Metric -- 4 Conclusion and Future Work -- References -- Research on the Mode and Framework of College Entrance Examination and Undergraduate Smart Teaching in the Environment of Smart Media Integration -- 1 Introduction -- 2 The Current Situation of Postgraduate Entrance Examination and Undergraduate Teaching in Colleges and Universities. 2.1 There is a Large Demand for Postgraduate Entrance Examinations in Colleges and Universities -- 2.2 The Preparation Time of Colleges and Universities is Longer -- 2.3 The Employment Rate of Postgraduate Students is Low -- 2.4 The Success Rate of College Entrance Examination is not High -- 2.5 Postgraduate Entrance Examination Students Are Under Great Psychological Pressure -- 3 The Problems of Postgraduate Entrance Examination and Undergraduate Teaching in Colleges and Universities -- 3.1 It is Difficult to Balance Postgraduate Entrance Examination and Undergraduate Teaching -- 3.2 Ignoring Opportunities for Undergraduate Teaching Practice -- 3.3 The Dilemma of Choosing After Failing the Postgraduate Entrance Examination -- 3.4 Students with Serious Mental Health Problems -- 4 The Smart Teaching Mode of Postgraduate Entrance Examination and Undergraduate Teaching in Colleges and Universities -- 4.1 The Basis for the Construction of the Model -- 4.2 Interpretation of model results -- 5 Epilogue -- References -- Research and Application Status of Text Generation Tasks Based on Generative Adversarial Network -- 1 Introduction -- 2 Generative Adversarial Network Background Knowledge -- 3 Generative Adversarial Network-Based Text Generation Method -- 4 Experiment and Analysis -- 5 Conclusion and future work -- References -- Research on Copyright Protection of We Media Based on Blockchain -- 1 Introduction -- 2 The Current Situation of the Development of the We Media Industry and the Difficulties of Copyright -- 2.1 Development Status -- 2.2 Copyright Difficulties -- 3 Blockchain in the Application of We Media Copyright Protection -- 3.1 Confirmation of Copyrights: "Decentralization" to Achieve Inexpensive and Efficient Copyright Registration for We Media -- 3.2 Use of Copyrights: "Smart Contract", Perfect the We Media Authorization Transaction Model. 3.3 Defending Copyrights: "Untamperable", Optimizing the Remedy Path for the Maintenance of Copyrights of We Media -- 4 Cold Thinking Under the Hot Technology -- 5 Conclusion -- References -- Load Prediction of Electric Vehicle Charging Station Based on Residual Network -- 1 Introduction -- 2 Related Work -- 2.1 Load Prediction of Charging Station -- 2.2 Spatio-Temporal Prediction -- 2.3 Innovative Content -- 3 Preliminaries -- 3.1 Dataset and Data Preprocessing -- 3.2 Problem Formulation -- 3.3 Charging Load Prediction Task -- 4 Improved Model -- 4.1 Temporal Dependence -- 4.2 Spatial Dependence -- 4.3 ResPlus -- 5 Training -- 6 Performance Evaluation -- 6.1 Baselines -- 6.2 Metrics and Parameters -- 6.3 Performance Comparison -- 6.4 Effects of Hyper Parameters -- 7 Conclusion -- References -- Study on Copyright Infringements of We Media Based on Media Integration Blockchain -- 1 Introduction -- 2 The Application of Blockchain in Copyright -- 3 The Application

of Media Integration Blockchain. -- 3.1 Design of Media Intergration Blockchain -- 3.2 Strengths and Shortcomings -- 4 Adcice of Media Integration Blockchain -- 4.1 Use Rewards to Appeal Users and Expand the Platform -- 4.2 Cooperate with Other Blockchains -- 4.3 Establish the Copyright Trading System -- 4.4 Create Credit System on the Platform -- 5 Conclusion -- 6 Limitation and Future Work -- References -- The Determinants of Carbon Emissions in Macau: Based on the Analysis of STIRPAT, EKC, and LMDI Models -- 1 Introduction -- 2 Review of Literature -- 2.1 STIRPAT Model -- 2.2 Environmental Kuznets Curve -- 2.3 LMDI (Logarithm Mean Divisia Index) Model -- 3 Data and Methodology -- 4 Empirical Results -- 4.1 Description Analysis -- 4.2 Correlation Analysis -- 4.3 Unit Root Test -- 4.4 Optimal Lag Structure -- 4.5 Johansen Cointegration -- 4.6 Analysis of Environmental Kuznets Curve. 4.7 LMDI Model.

---

### Sommario/riassunto

This proceedings book selects a great deal of research achievements in industrial restructuring strategy, industrial organization, industrial policy, departmental economic research, industrial competitiveness, regional industrial structure, national industrial economic security theory, and empirical research, and it emphasizes on combining theory with practice. With the economic globalization, there have been many new phenomena, new situations, and new challenges in the industries in many countries. The proceedings aim to discuss the problems in industrial economics and industrial security theories and practices. It is the documentation of the conference "9th International Conference on Industrial Economics System and Industrial Security Engineering". Due to the impact of COVID-19, IEIS2022 took place online as a virtual conference.

---