

1. Record Nr.	UNINA9910694810003321
Titolo	Extension of highway trust fund excise taxes and related trust fund provisions [[electronic resource] ] : scheduled for a markup by the Senate Committee on Finance on October 1, 1997 // prepared by the staff of the Joint Committee on Taxation
Pubbl/distr/stampa	[Washington, D.C.] : , : [Joint Committee on Taxation], , [1997]
Descrizione fisica	i, 14 pages : digital, PDF file
Soggetti	Motor fuels - Taxation - Law and legislation - United States Excise tax - Law and legislation - United States Roads - Finance - Law and legislation - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Apr. 3, 2006). "September 29, 1997." "JCX-50-97."

2. Record Nr.	UNINA9910751387303321
Autore	Tsihrintzis George A
Titolo	Advances in Computational Vision and Robotics : Proceedings of the International Conference on Computational Vision and Robotics
Pubbl/distr/stampa	Cham : , : Springer, , 2023 ©2023
ISBN	9783031386510
Edizione	[1st ed.]
Descrizione fisica	1 online resource (549 pages)
Collana	Learning and Analytics in Intelligent Systems Series ; ; v.33
Altri autori (Persone)	FavorskayaMargarita N KountchevRoumen PatnaikSrikanta
Disciplina	006.37
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- ICCVR-2023 Conference Committee -- Preface -- Acknowledgements -- About This Book -- Contents -- About the Editors -- Part I Pattern Recognition and Robotic Vision -- 1 Design of Piano Automatic Accompaniment System Based on Markov Model -- 1.1 Introduction -- 1.2 Methodology -- 1.2.1 Related Theory of Algorithmic Composition -- 1.2.2 Automatic Piano Accompaniment System Based on HMM -- 1.3 Result Analysis and Discussion -- 1.4 Conclusions -- References -- 2 3D Visual Design of Music Based on Multi-audio Features -- 2.1 Introduction -- 2.2 Methodology -- 2.2.1 Audio Visualization Method -- 2.2.2 Multi-audio Feature Extraction of Music -- 2.3 Result Analysis and Discussion -- 2.4 Conclusions -- References -- 3 Construction of Humming Music Retrieval Model Based on Particle Swarm Optimization -- 3.1 Introduction -- 3.2 Related Music Knowledge in Humming Music Retrieval -- 3.2.1 Elements of Sound -- 3.2.2 The Relationship and Difference Between Voice Signals and Humming Music Signals -- 3.3 Constructing a Humming Music Retrieval Model -- 3.3.1 Basic Framework -- 3.3.2 Model Application -- 3.4 Conclusions -- References -- 4 Research on Audio Processing Method Based on 3D Technology -- 4.1 Introduction -- 4.2 Audio Processing Method Based on 3D Technology -- 4.3 Result Analysis and Discussion -- 4.4

Conclusions -- References -- 5 Design and Optimization of Point Cloud Registration Algorithm Based on Stereo Vision and Feature Matching -- 5.1 Introduction -- 5.2 Research Method -- 5.2.1 Stereo Vision Model -- 5.2.2 Feature Matching Based on Stereo Vision -- 5.3 Experiment and Analysis -- 5.4 Conclusion -- References -- 6 Design of 3D Point Cloud Real-Time Cloud Matching Algorithm Based on Multi-scale Feature Extraction -- 6.1 Introduction -- 6.2 Research Method -- 6.2.1 Multiscale Feature Extraction. 6.2.2 Real-Time Cloud Matching Acceleration of 3D Point Cloud -- 6.3 Experimental Analysis -- 6.4 Conclusion -- References -- 7 Design of Digital Music Copyright Protection System Based on Blockchain Technology -- 7.1 Introduction -- 7.2 Research Method -- 7.2.1 System Overall Design -- 7.2.2 Key Technology Realization -- 7.3 Result Analysis -- 7.4 Conclusion -- References -- 8 Personalized Music Recommendation Model Based on Collaborative Filtering Algorithm and K-Means Clustering -- 8.1 Introduction -- 8.2 Collaborative Filtering Algorithm -- 8.3 Design of Personalized Music Recommendation Model -- 8.4 Implementation of a Personalized Music Recommendation Model -- 8.4.1 Personalized Music Model Recommendation Process -- 8.4.2 Result Analysis -- 8.5 Conclusions -- References -- 9 Simulation of Fuzzy Calculation Model of Music Emotion Based on Improved Genetic Algorithm -- 9.1 Introduction -- 9.2 Simulation Research on Fuzzy Computing Model of Music Emotion -- 9.2.1 Quantitative Research on Musical Emotion -- 9.2.2 Construction of a Fuzzy Computing Model for Music Emotion -- 9.3 Simulation of Fuzzy Calculation Model of Music Emotion Based on Improved GA -- 9.3.1 Improved GA Model -- 9.3.2 Analysis of Experimental Results -- 9.4 Conclusion -- References -- 10 Design and Implementation of Piano Performance Automatic Evaluation System Based on Support Vector Machine -- 10.1 Introduction -- 10.2 Methodology -- 10.2.1 Related Technical Basis -- 10.2.2 Design and Implementation of Automatic Assessment System for Piano Performance -- 10.3 Result Analysis and Discussion -- 10.4 Conclusions -- References -- 11 Simulation of Music Personalized Recommendation Model Based on Collaborative Filtering -- 11.1 Introduction -- 11.2 Simulation of Music Personalized Recommendation Model -- 11.2.1 Basic Theory of Music Recommendation System. 11.2.2 Personalized Recommendation System and Related Technologies -- 11.3 Simulation of Music Personalized Recommendation Model Based on CF -- 11.3.1 Collaborative Filtering Algorithm -- 11.3.2 Analysis of Experimental Results -- 11.4 Conclusion -- References -- 12 Design and Optimization of Image Recognition and Classification Algorithm Based on Machine Learning -- 12.1 Introduction -- 12.2 Image Classification and Retrieval Method Based on Image Visual Features -- 12.2.1 Theoretical Basis of Machine Learning Recognition Algorithm -- 12.2.2 Research on Virtual Sample Algorithm in Image Recognition -- 12.3 Image Retrieval Method Combining Machine Learning with Image Visual Features -- 12.3.1 Image Recognition Advertising Classification Algorithm Model -- 12.3.2 Experimental Analysis Results -- 12.4 Conclusion -- References -- 13 Design of Path Planning Algorithm for Intelligent Robot Based on Chaos Genetic Algorithm -- 13.1 Introduction -- 13.2 Concept and Principle of Chaotic Genetic Algorithm -- 13.3 Path Planning Method -- 13.3.1 Coding Based on Geographic Information -- 13.3.2 Simplification of Robot Control Parameters -- 13.4 Simulation Study -- 13.5 Conclusions -- References -- 14 Design and Development of Rail Transit Overhead Contact Line Monitoring System Based on Image

Processing -- 14.1 Introduction -- 14.2 Related Concepts -- 14.2.1  
Catenary -- 14.2.2 Image Processing Technology -- 14.3 System  
Design -- 14.3.1 Overall Scheme Design -- 14.3.2 Monitoring  
Preprocessing Module -- 14.3.3 Monitoring Terminal Energy  
Consumption Analysis -- 14.4 System Implementation -- 14.4.1  
Monitoring Terminal Energy-Saving Mode -- 14.4.2 System  
Performance Test -- 14.5 Conclusion -- References -- 15 Ultrasonic  
Signal Processing Method for Transformer Oil Based on Improved EMD  
-- 15.1 Introduction -- 15.2 Tests and Methods -- 15.2.1 Ultrasonic  
Testing.  
15.2.2 Ultrasonic Signal Processing Method Based on Improved EMD --  
15.3 Results and Discussion -- 15.4 Conclusion -- References -- 16  
Research on UHV Transmission Line Selection Strategy Aided  
by Satellite Remote Sensing Image -- 16.1 Introduction -- 16.2  
Research Method -- 16.2.1 Data Processing -- 16.2.2 Precise  
Correction of RS Image -- 16.2.3 Transmission Line Path Optimization  
-- 16.3 Accuracy Analysis -- 16.4 Conclusions -- References -- 17  
Research on the Evaluation of the Teaching Process of Public Physical  
Education in Universities Based on Markov Model -- 17.1 Introduction  
-- 17.2 Research Method -- 17.2.1 Establishment of Evaluation Index  
System -- 17.2.2 Markov Model -- 17.3 An Example of Evaluation  
of Public PE Class Teaching Process -- 17.4 Conclusion -- References  
-- Part II Artificial Intelligence and Deep Learning Application -- 18  
Simulation Design of Matching Model Between Action and Music Tempo  
Characteristics Based on Artificial Intelligence Algorithm -- 18.1  
Introduction -- 18.2 Methodology -- 18.2.1 Basic Technology  
of Artificial Intelligence -- 18.2.2 Construction of Matching Model  
Between Dance Actions and Music Tempo Characteristics -- 18.3 Result  
Analysis and Discussion -- 18.4 Conclusions -- References -- 19  
Design and Optimization of Frequency Identification Algorithm  
for Monomelody Musical Instruments Based on Artificial Intelligence  
Technology -- 19.1 Introduction -- 19.2 Methodology -- 19.2.1  
Overall Structure of Audio Features -- 19.2.2 Frequency Identification  
Algorithm of Musical Instruments in Single Melody Music -- 19.3 Result  
Analysis and Discussion -- 19.4 Conclusion -- References -- 20  
Design of Intelligent Evaluation Algorithm for Matching Degree of Music  
Words and Songs Based on Grey Clustering -- 20.1 Introduction --  
20.2 Methodology -- 20.2.1 Representation and Extraction of Melody  
Features.  
20.2.2 Digital Music Signal Denoising Algorithm -- 20.3 Result Analysis  
and Discussion -- 20.4 Conclusion -- References -- 21 Construction  
of Evaluation Model for Singing Pronunciation Quality Based on Artificial  
Intelligence Algorithms -- 21.1 Introduction -- 21.2 Two Evaluation  
Systems Based on Artificial Intelligence Algorithm -- 21.2.1 Objective  
Evaluation Based on the Extraction of Evaluation Parameters of Singing  
Voice -- 21.2.2 An Objective Evaluation Mechanism Based  
on Subjective Evaluation Criteria Quantification -- 21.3 Evaluation  
Model of Singing Pronunciation Quality -- 21.4 Analysis  
of Experimental Results -- 21.5 Conclusions -- References -- 22  
Design and Optimization of Intelligent Composition Algorithm Based  
on Artificial Intelligence -- 22.1 Introduction -- 22.2 Model  
and Algorithm Design -- 22.2.1 Music Feature Extraction -- 22.2.2  
Intelligent Composition Algorithm -- 22.3 Result Analysis  
and Discussion -- 22.4 Conclusions -- References -- 23 Design  
of Computer-Aided Music Generation Model Based on Artificial  
Intelligence Algorithm -- 23.1 Introduction -- 23.2 Research Method  
-- 23.2.1 Data Preprocessing -- 23.2.2 Implementation of AI Algorithm  
-- 23.3 Experimental Analysis -- 23.4 Conclusion -- References -- 24

Construction of Electronic Music Classification Model Based on Machine Learning and Deep Learning Algorithm -- 24.1 Introduction -- 24.2 Constructing EM Classification Model -- 24.2.1 Overall Structural Design -- 24.2.2 Multi Layer Perceptual Feature Classification Processing -- 24.3 Construction of EM Classification Model Based on ML and DL Algorithms -- 24.3.1 NN Algorithm Model for ML Optimization -- 24.3.2 Analysis of Experimental Results -- 24.4 Conclusion -- References -- 25 Design of Piano Automatic Accompaniment System Based on Artificial Intelligence Algorithm -- 25.1 Introduction -- 25.2 Research Method.  
25.2.1 Design of Piano Automatic Accompaniment Algorithm.

---