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   Autore   Kountchev Roumen

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   Altri autori (Persone)   PatnaikSrikanta
   NakamatsuKazumi
   KountchevaRoumiana

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Intelligence Algorithm -- Trajectory Optimization Control System of Intelligent Robot Based on Improved Particle Swarm Optimization Algorithm -- Short Text Classification of Invoices Based on BERT-TextCNN -- Design of Hovering Orbit and Fuel Consumption Analysis for Spacecraft Considering J2 Perturbation -- Optimal Design of Hydrodynamic Journal Bearing Based on BP Neural Network Optimized by Improved Particle Swarm Algorithm -- A Survey of Target Orientation Detection Algorithms Based on GPU Parallel Computing -- Application and Prospect of Deep Learning and Machine Learning Technology -- Logistics Security Integrated Communication System under The Background of 5G Artificial Intelligence -- Design and Optimization of Business Decision Support System Based on Deep Learning -- Performance Evaluation of Container Identification Detection Algorithm -- Design and Implementation of an Internet of Things Based Real-Time Five-Layer Security Surveillance System -- Research and Implementation of Data Feature Extraction Technology for Multi-Source Heterogeneous Data in Electric Distribution Network -- Deep Learning Unveiled: Investigating Retina Eye Segmentation for Glaucoma Diagnosis -- Computer Physical Education Teaching Model Based on Deep Learning -- Simulation of Intelligent Image Processing Model Based on Machine Learning Algorithm -- Recommendation Algorithm Based on Wide&Deep and FM -- Design of Hospital Equipment Information Management System Based on Computer Vision Technology.

| Sommario/riassunto | This book gathers selected papers presented at the International Conference on Artificial Intelligence and Communication Technologies (ICAICT2023), held at Shenzhen, China during June 2023. The first volume of the proceedings will focus on the newest methods and algorithms in smart wireless communications in the areas of Remote sensing and machine learning, Intelligent image and data processing, Health systems and security, Intelligent teaching applications and many others. |