



Advances in Artificial Intelligence and Security [:7th International Conference, ICAIS 2021, Dublin, Ireland, July 19-23, 2021, Proceedings, Part I /

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Contenido: Artificial Intelligence -- A Load Balancing Mechanism for a Multi-Controller Software Defined WiFi Network -- HGC:Hybrid Gradient Compression in Distributed Deep Learning -- Application of Lidar INS Integrated Positioning in Automatic Driving -- A Review of Named Entity Recognition in Chinese Medical Text -- Robust liver vessel extraction using DV-Net with D-BCE loss function -- Cloud computing-based graph convolutional network power consumption prediction method -- Intelligent Intrusion Detection of Measurement Automation System Based on Deep Learning -- LSTM-Exploit: Intelligent Penetration Based On LSTM Tool -- Pig target detection from image based on improved YOLO V3 -- ICPM: An Intelligent Compound Prediction Model Based on GA and GRNN -- A new method of halftoning and inverse halftoning based on GAN Network -- Sow Estrus Diagnosis from Sound Samples based on Improved Deep Learning -- Research on YOLO Model and its application in Fault Status recognition of freight trains -- Feedforward Deep Neural Network-Based Model for the Forecast of Severe Convective Wind -- Asynchronous Compatible D-ML System for Edge Devices -- Ball K-Medoids: Faster and Exacter -- GVNP: Global Vectors for Node Representation -- Investigation on Loan Approval Based on Convolutional Neural Network -- Chinese Verb-Object Collocation Knowledge Graph Construction and Application -- Optimal Deployment of Underwater Sensor Networks Based on Hungarian Algorithm -- Discrete Multi-Height Wind Farm Layout Optimization for Optimal Energy Output -- Multilevel Threshold Image Segmentation Based on Modified Moth-flame Optimization Algorithm -- Research on critical illness fundraising methods based on blockchain and smart contracts -- Collaboration Energy Efficiency with Mobile Edge Computing for Data Collection in IoT -- Improving the Transformer Translation Model with Back-Translation -- Rigid Image Registration based on Graph Matching -- A Multi-scale Fusion Method For Dense Crowd Counting -- Chinese text classification based on adversarial training -- Research on SVM Parameter Optimization Mechanism Based on Particle Swarm Optimization -- A parameter selection method based on reinforcement learning: the QoS-privacy trade-off for adversarial training framework -- Word Research on Sentiment Analysis of Foreign News Reports Concerning China Based On the Hybrid Model of Opinion Sentence and BLSTM-Attention -- Cascaded Convolutional Neural Network for Image Super-Resolution -- Risk Probability Forecast Technology of the Gust in Beijing Winter Olympic Games based on the Theory of Digital Image Processing -- Depth estimation based on optical flow and depth prediction -- The Algorithms for Word Segmentation and Named Entity Recognition of Chinese Medical Records -- Temperature forecasting based on LSTM in coastal city -- Recent Progress of Medical CT Image Processing based on Deep Learning -- Road Damage Detection and Classification based on M2det -- Weather Temperature Prediction Based on LSTM-Bayesian Optimization -- Research Situation and Development Trends of Deep Learning application in Meteorology -- Exploiting Spatial-Spectral Feature for Hyperspectral Image Classification based on 3-D CNN and Bi-LSTM -- Automated Methods for Symptom Normalization in Traditional Chinese Medicine Records -- A Nested Named Entity Recognition Method for Traditional Chinese Medicine Records -- Face Feature Extraction and Recognition Based on Lighted Deep Convolutional Neural Network -- Non-Orthogonal Multiple Access is Used for Power Allocation to Maximize Throughput in Cognitive Radio Network Systems -- Research on Drug Response Prediction Model Based on Big Data -- A Cross-Modal Image-Text Retrieval System with Deep Learning -- Research on Behavioral Decision Reward Mechanism of Unmanned Swarm System in Confrontational Environment -- A Variable Step-Size based Iterative Algorithm for High-precision Ranging using FMCW Radar -- Research on the Smart Management and Service of Smart

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