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Collana	Communications in computer and information science ; ; 1385
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Soggetti	Artificial intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	AI and Medical Technology -- BLU-GAN: Bi-Directional ConvLSTM U-Net with Generative Adversarial Training for Retinal Vessel Segmentation -- Choroidal Neovascularization Segmentation Based on 3D CNN with Cross Convolution Module -- Task-Free Recovery and Spatial Characterization of a Globally Synchronized Network from Resting-State EEG -- PRU-net: an U-net model with pyramid pooling and residual block for WMH segmentation -- Two-way Perceived Color Difference Saliency Algorithm for Image Segmentation of Port Wine Stains -- A new pathway to explore reliable biomarkers by detecting typical patients with mental disorders -- Activities Prediction of Drug Molecules by Using Automated Model Building with Descriptor Selection -- Survival Prediction of Glioma Tumors Using Feature Selection and Linear Regression -- AI and Big Data -- Root Cause Localization from Performance Monitoring Metrics Data with Multidimensional Attributes -- A Performance Benchmark for Stream Data Storage Systems -- Failure Characterization based on LSTM Networks for Bluegene/L System Logs -- Trac Crowd Congested Scene Recognition Based on Dilated Convolution Network -- Failure Prediction for Large-Scale Clusters Logs via Mining Frequent Patterns -- FLBench: An Isolated Data Island Benchmark Suite for Federated Learning -- Fake news detection using knowledge vector -- A reconfigurable electrical circuit

auto-processing method for direct electromagnetic inversion --  
Implementing Natural Language Processes to Natural Language  
Programming -- AI and Block Chain -- LSO: A Dynamic and Scalable  
Blockchain Structuring Framework -- CISV: A Cross-Blockchain  
Information Synchronization and Verification Mode -- A Formal Process  
Virtual Machine for EOS-based Smart Contract Security Verification --  
AVEI: A Scientific Data Sharing Framework Based on Blockchain -- SCT-  
CC: A Supply Chain Traceability System Based on Cross-chain  
Technology of Blockchain -- Game-Theoretic Analysis on CBDC  
Adoption -- Design of experiment management system for stability  
control system based on blockchain technology -- A Cross-chain  
Gateway for Efficient Supply Chain Data Management -- AI and  
Education Technology -- Automatic essay scoring model based on  
multi-channel CNN and LSTM -- Research on Knowledge Graph in  
Education Field from the Perspective of Knowledge Graph -- Course  
Evaluation Analysis Based on Data Mining and AHP: A case study of  
Python courses on MOOC of Chinese universities -- Process-oriented  
definition of evaluation indicators, learning behavior collection and  
analysis: A case study -- The reform and construction of computer  
essential courses in New Liberal Arts aiming at improving Data Literacy  
-- Entity Coreference Resolution for Syllabus via Graph Neural Network  
-- An Exploration of the Ecosystem of General Education in  
Programming -- The New Theory of Learning in the Era of Educational  
Information 2.0 Connected Constructivism -- AI and Financial  
Technology -- A Stock Index Prediction Method and Trading Strategy  
Based on the Combination of Lasso-Grid Search-Random Forest --  
Dynamic Copula Analysis of the Effect of COVID-19 Pandemic on Global  
Banking Systemic Risk -- Real-Time Order Scheduling in Credit  
Factories: A Multi-Agent Reinforcement Learning Approach --  
Predicting Digital Currency Price Using Broad Learning System and  
Genetic Algorithm -- Selective Multi-source Transfer Learning with  
Wasserstein Domain Distance for Financial Fraud Detection.

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### Sommario/riassunto

This book constitutes the refereed post-conference proceedings of the Second BenchCouncil International Federated Intelligent Computing and Block Chain Conferences, FICC 2020, held in Qingdao, China, in October/ November 2020. The 32 full papers and 6 short papers presented were carefully reviewed and selected from 103 submissions. The papers of this volume are organized in topical sections on AI and medical technology; AI and big data; AI and block chain; AI and education technology; and AI and financial technology.

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