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Nota di contenuto	Research on Terahertz Scattering Characteristics of the Precession Cone / Yang, Qi / Qin, Yu-liang / Deng, Bin / Wang, Hong-qiang -- Application Development of 3D Gesture Recognition and Tracking Based on the Intel Real Sense Technology Combing with Unity3D and WPF / Cheng, Chun-yu / Sheng, Meng-lin / Yu, Zong-min / Zhang, Wen-xuan / Li, An-qi / Wang, Kai-yu Frontmatter -- Contents -- Preface / Wang, Shawn X. -- Introduction of keynote speakers -- Part I: Computer Science and Information Technology I -- Research and Development of Upper Limb Rehabilitation Training Robot / Chen, Yan-zhao / Zhang, Yu-wei -- K-mer Similarity: a Rapid Similarity Search Algorithm for Probe Design / Cui, Xiao-fei / Wang, Ya-dong / Quan, Guang-ri / Xu, Yong-dong -- Research and Prospects of Large-scale Online Education Pattern / Zhang, Hong / Zhang, Ling-ling -- New LebiD2 for Cold-Start / Dali, Lebi Jean Marc / Qin, Zhi-guang -- An Efficient Recovery Method of Encrypted Word Document / Zhang, Li-jun / Yu, Fei / Ji, Qing-bing -- A Short Reads Alignment Algorithm Oriented to Massive Data / Li, Gao-yang / Wang, Kai / Zeng, Yu-kun / Quan, Guang-ri -- Based on the Mobile Terminal and Clearing System for Real-time Monitoring of the AD Exposure / Song, Yan-nan / Liu, Shi / Zhang, Chun-yan / Ji, Wei / Qi, Ji -- Star-shaped SPARQL Query Optimization on Column-family Overlapping Storage / Lin, Li-ming / Liu, Guang-cao / Wang, Yan / Lu,

Wei -- Assembly Variation Analysis based on Deviation Matrix / Lv, Zhen-yu / Zhang, Xu / Ming, Wei / Li, Peng -- Design and Realization of Undergraduate Teaching Workload Calculation System Based on LabVIEW / Xu, Yan / Chang, Rui / Wang, Ya-fei -- Smooth Test for Multivariate Normality of Innovations in the Vector Autoregressive Model / Su, Yan / Zhong, Yi-Shu -- Research on the Privacy-Preserved Mechanism of Supercomputer Systems / Yang, Bi-kuan / Liu, Guang-ming -- Reliability Evaluation Model for China's Geolocation Databases / Lin, Jiu-chuan / Wang, Yong-jian / Xi, Rong-rong / Cui, Lei / Hao, Zhi-yu -- Using Local Library Function in Binary Translation / Tan, Jie / Pang, Jian-min / Lu, Shuai-bing -- Type Recognition of Small Size Aircrafts in Remote Sensing Images based on Weight Optimization of Feature Fusion and Voting Decision of Multiple Classifiers / Cheng, Kai / Song, Fei / Qin, Shiyin -- Research of User Credit Rating Analysis Technology based on CART Algorithm / Hu, Bo / Jin, Yu-kun / Gu, Wan-jiang / Liu, Jun / Qin, Hua-qin / Chen, Chong / Wang, Ying-yu -- Research of the Influence of 3D Printing Speed on Printing Dimension / Chen, Cong-ping / Ran, Yan-hua / Huang, Jie-guang / Hu, Qiong / Wang, Xiao-yun -- Research on Docker-based Message Platform in IoT / Zhang, Fan / Yang, Fan -- Research on the Recommendation of Microblog Network Advertisement based on Hybrid Recommendation Algorithm / Yang, Yan-xia -- Fuzz Testing based on Sulley Framework / Guo, Zhong / Li, Nan -- A Risk Assessment Strategy of Distribution Network Based on Random Set Theory / Zhang, Jun / Zhang, Shuang / Liang, Jian / Tian, Bei / Hou, Zan / Liu, Bao-zhu -- A Software Homology Detection based on BP Neural Network / Liu, Rui / Sun, Bowen / Tian, Bin / Li, Qi -- Image Small Target Detection based on Deep Learning with SNR Controlled Sample Generation / Liu, Ming / Du, Hao-yuan / Zhao, Yue-jin / Dong, Li-quan / Hui, Mei -- Agricultural Product Price Forecast based on Shortterm Time Series Analysis Techniques / Zhang, Yi-xin / Sun, Wen-sheng -- The Correction of Software Network Model based on Node Copy / Zhao, Xiao-lin / Xue, Jing-feng / Zhang, Qi / Wang, Zi-yang -- A Linguistic Multi-criteria Decision Making Method based on the Attribute Discrimination Ability / Wang, Wei-ping / Liu, Fang -- Part II: Computer Science and Information Technology II -- The Reverse Position Fingerprint Recognition Algorithm / Yang, Guifu / Xu, Xiao-yu / Liu, Wei-shuo / Pu, Cheng-lin / Yao, Lu / Zhang, Jing-bo / Liu, Zhen-bang -- Global Mean Square Exponential Stability of Memristor-Based Stochastic Neural Networks with Time-Varying Delays / Xu, Xiao-Lin -- Research on Classified Check of Metadata of Digital Image based on Fuzzy String Matching / Xie, Zhen-hong -- Quantitative Analysis of C2 Organization Collaborative Performance based on System Dynamics / Duan, Shao-nan / Niu, Yan-jie / Shi, Yao / Mu, Xiao-dong -- Comprehensive Evaluation and Countermeasures of Rural Information Service System Construction in Hengyang / Zhou, Kuai-kuai / Chen, Zheng -- Image Retrieval Algorithm based on Convolutional Neural Network / Huang, Wen-qing / Wu, Qiang -- A Cross-domain Optimal Path Computation / Zhou, Bing / Deng, Juan -- Collaborative Filtering Recommendation Algorithm based on Item Similarity Learning / Liu, Feng / Li, Huan / Ma, Zhu-juan / Zhu, Erzhou -- The Graph Merge-Clustering Method based on Link Density / Jiang, Huo-wen / Ma, Hai-ying / Xu, Xin-ai -- Person Name Disambiguation by Distinguishing the Importance of Features based on Topological Distance / Qiu, Qing-yun / Luo, Jun-yong / Yin, Mei-juan -- A Security Technology Solution for Power Interactive Software Based on WeChat / Hu, Bo / Jin, Yu-kun / Liu, Jun / Fan, Ai-jun / Ma, Hongbo / Chen, Chong -- Two-microphones Speech Separation Using Generalized Gaussian Mixture Model / Fan, Miao / Mao, Jia-min / Ding,

Jao-gui / Li, Wei-feng -- A Common Algorithm of Construction a New Quantum Logic Gate for Exact Minimization of Quantum Circuits / Li, Zhi-qiang / Chen, Sai / Zhu, Wei / Chen, Han-wu -- A Post-Processing Software Tool for the Hybrid Atomistic-Continuum Coupling Simulation / Wang, Qian / Ren, Xiao-guang / Xu, Li-yang / Yang, Wen-jing -- Achieve High Availability about Failover in Virtual Machine Cluster / Xu, Jun / Li, Xiao-yong -- Automatic Segmentation of Thorax CT Images with Fully Convolutional Networks / Mao, Kai-peng / Xie, Shi-peng / Shao, Wen-ze -- Application of CS-SVM Algorithm based on Principal Component Analysis in Music Classification / Wang, Yong-jie / Wang, Yi-bo / Du, Dun-wei / Bai, Yan-ping -- A New Particle Swarm Optimization Algorithm Using Short-Time Fourier Transform Filtering / Guo, Si-wen / Zuo, Yu / Yan, Tao / Wang, Zuo-cai -- RHOBBS: An Enhanced Hybrid Storage Providing Block Storage for Virtual Machines / Wang, Zhen / Chen, Hao-peng / Hu, Fei -- Part III: Sensors, Instrument and Measurement I -- AIS Characteristic Information Preprocessing & Differential Encoding based on BeiDou Transmission / Zhang, Shang-yue / Wang, Yu-ming / Yu, Zheng-guo -- Modeling of Ship Deformation Measurement based on Single-axis Rotation INS / Li, You / Wang, Xing-shu / Xiong, Hao -- Research on Fault Diagnosis of Satellite Attitude Control System based on the Dedicated Observers / Wang, Mei-ling / Song, Hua / Wei, Chun-ling -- Data Advance Based on Industrial 4.0 Manufacturing System / Yan, Ming-hui / Liu, Yao-he / Guo, Ning / Tang, Hua-cheng -- High Performance PLL base on Nonlinear Phase Frequency Detector and Optimized Charge Pump / Zhai, Hai-tao / Mao, Wen-shen / Liu, Wen-song / Lu, Ya-Di / Tang, Lu -- Accelerated ICP based on linear extrapolation / Luo, Fang-yan -- Studies of falls detection algorithm based on support vector machine / Pei, Li-ran / Jiang, Ping-ping / Yan, Guo-zheng -- Research and Development of Indoor Positioning Geographic Information System based on Web / Guo, Ting-ting / Qiao, Feng / Liu, Ming-zhe / Xu, Ai-dong / Sun, Jun-nan -- Harmonic Distribution Optimization of Surface Rotor Parameters for High-Speed Brushless DC Motor / Fang, Chun / Dou, Man-feng / Tan, Bo / Li, Quan-wu -- Vehicle Motion Detection Algorithm based on Novel Convolution Neural Networks / Gao, Sheng-yang / Jiang, Xian-yang / Tang, Xiang-hong -- The Bank Line Detection in Field Environment Based on Wavelet Decomposition / Li, Yong / Wang, En-de / Duan, Zhi-gang / Cao, Hui / Liu, Xun-qian -- Research on Measurement Method of Harmonics Bilateral Energy / Li, Xiao-ming / Yin, Jia-yue / Xu, Hao-jun / Bi, Chengqiong / Zhu, Li / Deng, Xiao-dong / Ma, Lei-nan -- Traffic Supervision System Using Unmanned Aerial Vehicle based on Image Recognition Algorithm / Wang, Long-fei / Zhang, Wei / Chen, Xiang-dong -- Improving the Durability of Micro ER Valves for Braille Displays Using an Elongational Flow Field / Li, Yu-fei / Liu, Ya-yong / Xu, Lu-ning / Han, Li / Shen, Rong / Lu, Kun-quan -- Aircraft Target Detection in Remote Sensing Images towards Air-to-Ground Dynamic Imaging / Wu, Jinxia / Song, Fei / Qin, Shiyin -- A New Third-order Explicit Symplectic Scheme for Hamiltonian Systems / Liu, Xiao-mei / Zhu, Shuai --
