

Conference Program

The conference venue:

ZIJINGANG International Hotel

No 796 Shenhua Road, Hangzhou

紫金港国际饭店

杭州申花路 796 号（浙江大学紫金港校区正大门）

Hotel website: <http://www.zjghotel.com.cn>

请参会作者自行预定酒店房间(食宿自理)

紫金港国际饭店订房电话: 0571-89710000

紫金港大酒店订房电话: 0571-89977006

香树 e 家商务酒店订房电话: 0571-87361535

Dec. 7 (Friday), 2018 (at ZIJINGANG International Hotel)

15:00 – 19:00, Registration

Baidu map of conference venue –ZIJINGANG International Hotel(紫金港国际饭店)



Program for Oral Sessions

Dec. 8 (Saturday), 2018

8:10 – 8:20 : Opening Session at ZIHUA Hall 1 on the 3rd floor

8:20 – 9:00 Invited talk at ZIHUA Hall 1

Chair Professor Shyi-Ming Chen (National Taiwan University of Science and Technology)

9:00 – 10:10 Oral Session 1 at ZIHUA Hall 1(15 mins per presentation)

Combining Deep Learning with Traditional Features for Classification and Segmentation of Pathological Images of Breast Cancer

Simin He, Jun Ruan, Yi Long

Detection of Her2 Scores and Magnification from Whole Slide Images in Multi-task Convolutional Network

Jianlian Wang, Jun Ruan, Simin He, Chenchen Wu

Automatic Sketch Colorization with Tandem Conditional Adversarial Networks

Hui Ren, Jia Li , Nan Gao

Air Quality Prediction Method in Urban Residential Area

Ruijun Yang, Hailong Zhou, and Danfeng Ding

9:00 – 10:10 Oral Session 2 at ZIHUA Hall 2(15 mins per presentation)

Design of Dual-Band Dual-Port MIMO Antenna for LTE and WIMAX Applications

Chaoyi Wang, Peng Liu, Peng Wang

Cone-Beam Computed Tomography Image Pretreatment and Segmentation

Jia Zheng, Dinghua Zhang, Kuidong Huang, and Yuanxi Sun

Dynamical Behaviors of a Modified Chua's Circuit

Huihui Ma, Yongbin Yu, Chenyu Yang, Nijing Yang

A Control System Design for Intelligent Traction Bed

Zaixue Yang, Ping Shi, and Hongliu Yu

9:00 – 10:10 Oral Session 3 at ZIHUA Hall 3(15 mins per presentation)

The Smaller The Better: Fine-Grained Image Classification with Compressed Networks

Xiaoguang Tu, Hao Ge, Mei Xie, and Zheng Ma

Image Colorization Based on Self-Adaptive Mutation Particle Swarm Optimization and Support Vector Machine

Ying Chen, Lelian Gao, Guoqing Liu, and Hengshi Chen

QJoin: A Q-Sample-Based Method for Large-Scale String Similarity Joins

Xiaoxia Wang and Decai Sun

Study on Surface Morphology of Pliers- Clippers Trace by Using Lyapunov Index Energy Spectrum

Bingcheng Wang and Chang Jing

10:10— 10:20 Coffee break

10:20 — 12:00 Oral Session 4 at ZIHUA Hall 1(15 mins per presentation)

Human ID of Freestyle Walking Based on Smartphone and Dual-Tree Complex Wavelet Transform

Xuezhi Zhang, Wei Zhang, and Leilei Wang

Patent Text Classification Based on Naive Bayesian Method

Lizhong Xiao, Guangzhong Wang, and Yuan Liu

An Anti-Blocking Particle Filter Tracking Algorithm

Mingyang Qin, Tianzhen Dong, Wenju Li, and Xiao Qi

Automatic Hysteresis Feature Recognition of Vehicle Dampers Using Duhem Model and Clustering

Hong He, Yonghong Tan, Wei Yang, Feihu Peng

Research on Patent Text Classification Based on Word2Vec and LSTM

Lizhong Xiao, Guangzhong Wang, and Yang Zuo

10:20 — 12:00 Oral Session 5 at ZIHUA Hall 2(15 mins per presentation)

Design of Route Planning Wireless Network Control System for Unmanned Surface Vehicle

Benren Zhang, Junmin Mou, Jia Zhang, Jiajun Yu

An Pigeon-Inspired Optimization Based on Complex-Valued Encoding

Limin Zhao

A New Monkey Algorithm Combining Inertia Step and Cooperation Strategy

Haiyun Li, Haifeng Li, and Kaibin Wei

Mining and Prediction of the Core Group in the Communication Network Based on Walk Trap and ARIMA Algorithm

Fulian Yin, Xiaowei Liu, Ge Su, and Sitong Li

Image Parsing with Superpixels and Gray Image Analysis

Feng Yang, Zheng Ma, and Mei Xie

10:20 — 12:00 Oral Session 6 at ZIHUA Hall 3(15 mins per presentation)

Research on the Application of Deep Learning Target Detection of Engineering Vehicles in the Patrol and Inspection for Military Optical Cable Lines by UAV

Mingjiang Zhang, Hongwei Li, Guijin Xia, Weihu Zhao

Performance Comparison of Fuzzy Neural Network Function Approximation Based on Genetic Algorithm

Kai Wu and Zheng-hong He

Research on Tactile Substitution Technology Based on Imitation Eagle Vision

Qinghui Zhang, Mingwei Jiang, Chenxia Wan, and Weiliang Han

Development of Computer Number Control Power Supply

Jing Cui and Runjing Zhou

Robot Path Planning Based on Cellular Automata with Mixed Neighborhoods

Haochen Pei, Yuansheng Lou, and Feng Ye

12:00 – 13:30 : Lunch (on the 1st floor)

13:30 – 15:30 Oral Session 7 at ZIHUA Hall 1(15 mins per presentation)

Uniform Entropy Theory Based on Fingerprint Recognition

Jie Zhang, Gang Wang, Haobo Jiang, Fangzhen Zhao

Structure-Based Convolutional Neural Networks for Chinese Sentence Similarity Measurement

Yang Sun and Fangyu Hu

Comfort Properties Research of Graphene Composite Fiber Seamless Knitted Fabrics

Zimin Jin, Dan Lu, and Jianwei Tao

A Novel Face Attribute Segmentation Algorithm

Xiujie Qu, Cheng Peng, Tianbo Wei, Peng Du

The Study of RNN Enhanced Convolutional Neural Network for Fast Object Detection Based on the Spatial Context Multi-fusion Features

Ning Wang, Aihua Cai, and Shunsheng Zhang

Neck Muscles Fatigue Evaluation of Subway Phubber Based on sEMG Signals

Miao Jia, Zhongliang Yang, Yumiao Chen, and Yangliang Wen

13:30 – 15:30 Oral Session 8 at ZIHUA Hall 2(15 mins per presentation)

Design of Embedded Monitoring System for Large-Scale Grain Granary

Xiaodong Zhang and Jie Zhang

An Parallax Image Stitching Method Based on Dynamic Mesh Partition

Yingsong Hu, Jian Wang, Wenli Dai, and Yunfei Hu

Influence of Phase Change Temperature-Control Fiber on Wearability of Knitted Fabrics and Comprehensive Evaluation

Yamin Deng, Zimin Jin, Yuxiu Yan, Jing Jin, and Jianwei Tao

Usability Study on Railway Self-Service Terminal Interface for the Elderly

Zhizhao Luo , Ying Wang, and Pingping Wang

Availability Test of Automated Teller Machine Based on Eye-Tracking Data

Junjie Xu, Ying Wang, and Fuqiang Lv

A Multi-hop Link Prediction Approach Based on Reinforcement Learning in Knowledge Graphs

Heng Chen, Guanyu Li, Yunhao Sun, Wei Jiang, and Xinying Chen

13:30 – 15:30 Oral Session 9 at ZIHUA Hall 3(15 mins per presentation)

Affective Design for Operating Microscope Based on Kansei Engineering

Yan Wang, Zhehao Zhu, Yumiao Chen, and Zhen Xie

An Investigation of a Type of Affine Nonlinear Ship Fuel Oil Viscosity and Temperature Control System

Xiaobing Mao, Zhexuan Ma, and Hai Huang

Recognition of Human Motion State Based on Machine Learning

Yuan Zheng, Hejin Xiong, and Deming Lei

Memory Saving Method for Enhanced Convolution of Deep Neural Network

Ling Li, Yuqi Tong, Hangyu Zhang, and Dayu Wan

Study on Multi-objective Intelligent Speed Controller Model of Automatic Train Operation for High Speed Train Based on Grey System Theory and Genetic Algorithm

Fan Gao, Fuzhang Wang, Ming Zhang, and Yanhua Wu

End-to-End Vessel Plate Number Detection and Recognition Using Deep Convolutional Neural Networks and LSTMs

Sizhe Huang, Huosheng Xu, Xuezhi Xia, and Yi Zhang

15:30– 15:40 Coffee break

15:40 – 17:40 Oral Session 10 at ZIHUA Hall 1(15 mins per presentation)

Image Processing Strategies Based on Deep Neural Network for Simulated Prosthetic Vision

Ying Zhao, Qi Li, Donghui Wang, and Aiping Yu

Network Operation Situation Awareness Based on Fuzzy Neural Network

Zhongyang Fu and Xingming Li

Evaluation of a Lead-Zinc Mine's Ventilation System Based on Unascertained Measurement Model

Fuliang Jiang, Jintao Guo, Xiangyang Li

Intelligent Recognition of Underwater Acoustic Target Noise by Multi-feature Fusion

Shaokang Zhang and Shihong Xing

A Method for Strategic Migration from Simulation to Real Manipulator System

Xin Zhou, Cai Zhi Fan, and Si Kan Li

Identification of Functional States of the Cardiovascular System According to Flowmetry Data Using Machine Learning Methods

Natalia Konnova and Mikhail Basarab

15:40 – 17:40 Oral Session 11 at ZIHUA Hall 2(15 mins per presentation)

The Design and Research on a Target Tracking Arithmetic Under Complex Background

Chuan Shi, Yang Zhang, and Lihuang Wang

Outliers Removed Via Spectral Clustering for Robust Model Fitting

Mina Chong, Qiming Li, Taotao Lai

Art Deco Style Generation Method Based on Block Filling and Style Optimization

Mu Zhang, Qingyun Guo, Liang Li, Deng Pan

An Accurate Modeling Technology Based on Depth Information of Cultural Relics

Jinchen Zhang, Mu Zhang, Yan Zheng

An Application of Improved Fruit Fly Optimization Algorithm for Vibration Isolation System

Gang Li, Tian Tian, Jicheng Chen, and Xiang Wang

An Enhanced Fruit Fly Optimization Algorithm Based on Elitist Learning and Differential Perturbation Strategy

Gang Li, Tian Tian, Jicheng Chen, and Xiang Wang

15:40 – 17:40 Oral Session 12 at ZIHUA Hall 3(15 mins per presentation)

Data-Dependent Tasks Scheduling and Analysis of Examples

Zhang Xiaoqing and Hu Yajie

The Framework of Design Knowledge Organization Based on Team Cognition

Zheng Liu, Guosheng Hu, and Yun Wang

Combinational Circuits Evolutionary Impact Analysis in Different Initially Chromosome Codes Scales

Junbin Zhang, Qiongfeng Zou, Jie Li, Leitao Guo

A Deep Q-Learning Approach for Continuous Review Policies with Uncertain Lead Time Demand Patterns

Jianpin Zhou, Shuliu Zhang, and Yingtang Li

Research on Vehicle Object Detection Method Based on Convolutional Neural Network

Qinghui Zhang, Chenxia Wan, and Shanfeng Bian

Research on Product Design of Intangible Cultural Heritage from an Emotional Viewpoint: A Case Study Based on Chinese Shadow Puppet

Liyang Yang

17:40 – 19:30 Reception (on the 2nd floor)

Dec. 9 (Sunday), 2018

8:30 – 10:10 Oral Session 13 at ZIHUA Hall 1(15 mins per presentation)

Using Popular Object Detection Methods for Real Time Forest Fire Detection

Shixiao Wu and Libing Zhang

Optical Music Notes Recognition for Printed Music Score

Chuanzhen Li, Jiaqi Zhao, Juanjuan Cai

A Fast Face Recognition System Based On Deep Learning

Xiujie Qu, Tianbo Wei, Cheng Peng, and Peng Du

Hybrid Tabu Search Algorithm for Fleet Size and Mixed Vehicle Routing Problem with Three-Dimensional Loading Constraint

Bitao Peng

Research on Simplification Algorithm for Dongba Hieroglyphic Feature Curve

Yuting Yang and Houliang Kang

Application Research of Complexity Approximate Entropy in Trace Examination

Bingcheng Wang and Chang Jing

8:30 – 10:10 Oral Session 14 at ZIHUA Hall 2(15 mins per presentation)

Driver Identification Based on Stop-and-Go Events Using Naturalistic Driving Data

Zhen Gao, Longqi Li, Jinsong Feng, Rongjie Yu

Visual Tracking Algorithm for Aircrafts in Airport

Xu Zhang, Meng Ding, and Wei Wang

Lane Detection Base on Deep Learning

Jing Feng, Xiaoyu Wu, and Yu Zhang

Violent Video Classification Based on Spatial-Temporal Cues Using Deep Learning

Xingyu Xu, Xiaoyu Wu, Ge Wang and Huimin Wang

Fusing Distinguish Degree Neural Networks for Relational Classification

Yue Wang and Yujun Li

Research on Text Classification of Denoising Autoencoder Based on Additional Momentum and Adaptive Learning Rate

Zhenyu Yang and Xue Pang

8:30 – 10:10 Oral Session 15 at ZIHUA Hall 3(15 mins per presentation)

Spectral Efficiency of Wireless Body Area Networks Coexistence

Ruixia Liu, Yinglong Wang, Minglei Shu

Traceability of Food Safety Based on Block Chain and RFID Technology

Wanjun Yu and Shiyuan Huang

Vehicular Ad-Hoc Network with a Multi-hop Transmission Protocol

Tang-Hsien Chang, Yu-Ting Hsu, and Kuan-Te Wu

Target Feature Recognition Based on Wavelet Transform and CNN-SVM

Tianzhen Dong, Xiao Qi, Wenju Li, and Mingyang Qin

Favorable Random Gradients for Optimization of Deep Neural Networks

Yehor Savchenko and Oleksandr Zavalnyi

Track Crack Detection Method in Complex Environment

Wenju Li, Meng Zhang, Zihao Shen

10:10— 10:20 Coffee break

10:20 — 12:00 Oral Session 16 at ZIHUA Hall 1(15 mins per presentation)

Clustering-Based Driving Behavior Recognition Using Inertial Sensors

Shuang Qin, Sheng Zhang, and Minglin Wu

A Motion Detection Algorithm Integrating Foreground Matching Into Gaussian Mixture Modeling

Chao Zhang, Bing Cheng, and Xiangping Gao

The Analysis of Network Operation Situation Based on Link Traffic Matrices

Fengqing Zhou and Xingming Li

Fast Object Classification Method Based on Saliency Detection

Chao Yang, Zhennan Wang, Xuepu Jiang

Flocculation Effect Detection of Chemical Wastewater Based on Image Processing

Chen Rong Huang and Jia Li Tang

Recognition and Classification of Spatial Auditory Evoked P300 EEG Signal

Qianyan Dong, Li Wang, and Xiao Hu

10:20 — 12:00 Oral Session 17 at ZIHUA Hall 2(15 mins per presentation)

Gaussian Noise Removal of Blind Source Separation Based on Image Sequence

Shijia Dong, Chunyu Yu, and Bin Sun

Digital Twin of Solid Rocket Motor, Problem and Challenge

Xiao Fei , Qian Fengchen, Fan Yuzhu, and Su Bing

An Improved Collaborative Filtering Algorithm Based on Expert Trust and Time Decay

Qingshuo Zheng

An Overview of Image Super-Resolution Reconstruction Algorithm

Xiaoming Niu

Multi-Level Fusion of Classifiers through Fuzzy Ensemble Learning

Han Liu and Shyi-Ming Chen

Discussion on Problems of Triphibious Robot Control

Yiduo Zhu, Tao Li, Ziyi Guo, and Meiling Wang

10:20 — 12:00 Oral Session 18 at ZIHUA Hall 3(15 mins per presentation)

A Maximum Likelihood Method for Remotely Sensed Image Fusion Using Generalized IHS Transform

Shen Shaohong, Li Longbing, Liang Dongye, and Shi Aiye

Unsupervised Extreme Learning Machine via Structured Graph Construction for Data Clustering

Leijie Zhang, Xin Zhu, Yong Peng, and Wanzeng Kong

Solving Network Coding Resource Problem Using Ant Colony Optimization

Jingyi Li

Research on Collaborative Control Method of Manufacturing Process Based on Distributed Multi-Agent Cooperation

Zhipeng Li, Xuesong Jiang, Shuaishuai Yao, and Dongwang Li

Weld Bead Geometry Prediction of Additive Manufacturing Based on Neural Network

Qiankun Xue, Shiyue Ma, Yaxin Liang, Jiabin Wang

Feature Identification from Imbalanced Data Sets for Diagnosis of Cardiac Arrhythmia

Lijun Liang, Jin Tingting, and Huo Meiya

12:00 – 13:30 : Lunch (on the 1st floor)

13:30 – 15:30 Oral Session 19 at ZIHUA Hall 1(15 mins per presentation)

An Automatic Decision-Making Value System with Pharmaceutical Manufacturing Industry Based on Blockchain

Xiang Liu and Shasha Cai

An Imaging Method Based on Sparse Constrained Nonlinear Electromagnetic Field Inverse Scattering

Chi Zuo and Xing Jin

Learning to Trade with Deep Actor Critic Methods

Jinke Li, Ruonan Rao, and Jun Shi

Success Rate Prediction of Instant Carpooling Based on Random Forest

Yong Piao, Xueyuan Huang, and Zhendong Shang

Design of Agent Training Environment for Aircraft Landing Guidance Based on Deep Reinforcement Learning

Zhuang Wang, Hui Li, Haolin Wu

A New Approach for Classification of Epilepsy EEG Signals Based on Temporal Convolutional Neural Networks

Jiuwen Zhang, Haobo Wu, Wei Su

13:30 – 15:30 Oral Session 20 at ZIHUA Hall 2(15 mins per presentation)

Sample Set Reduction Method Based on Neighborhood Non-Dominated Crowding-Distance Sorting

Mengmeng Li, Zhigang Shang, Xiaoyang Shen

How Adoption Speed Affects the Evolution of Fashion Cycle

Xing Tu

Research and Practice on High Efficiency Management Mode for Wind Solar Storage and Transportation

Lifen Xu and Wang Qingran

A Registration and Change Detection Algorithm Based on Pre- and Post- Strike Image

Zihe Liu and Yuhui Wang

Using Wikipedia to Construct Product Conceptual Space

Linna Zhu, Yongxing He, and Yongchuan Tang

Design of a Rehabilitation Training System for Older Adults with Mild Cognitive Impairment

Ruifo Zhang, Fangyu Li, and Yefei Li

13:30 – 15:30 Oral Session 21 at ZIHUA Hall 3(15 mins per presentation)

Depth Image Enhancement Algorithm Based on RGB Image Fusion

Wenju Li, Wenkang Hu, Tianzhen Dong, and Jiantao Qu

The Research of Consortium Blockchain Dynamic Consensus Based on Data Transaction Evaluation

Xin Wang, Qing Feng, and Jianping Chai

An Improved Faster R-CNN for Object Detection

Yu Liu

Design of A High Efficiency Switching Power Supply with Negative Feedback Control

Hao Xiong

Fault Diagnosis Method for Shearer Equipment of PCA-BP_Adaboost

Zhong Guiping, Lihong Dong, and Ou Ye

Vanishing Points in Road Recognition: A Review

Hongyu Su

15:30– 15:40 Coffee break

15:40 – 17:40 Oral Session 22 at ZIHUA Hall 1(15 mins per presentation)

Reliability Research on Airborne Dual Redundancy of Electrical Wiring Interconnection System

Chuwan Xiao and Li Deng

An Improved Differential Privacy K-Means Algorithm Based on MapReduce

Shunyuan Yao

Hand Motion Recognition Based on GA Optimized SVM Using sEMG Signals

Siqiao Yang, Yuchen Chai, Jikun Ai, Sheji Sun

Prediction Model of Hot Rolled Strip Quality Based on K-Means Clustering and Neural Network

Xia Li and Yiru Dai

The Research on the Incentive Method of Alliance Chain Based on Practical Byzantine Fault Tolerant

Xin Wang, Jia Wei Li, and Jian Ping Chai

Design and Simulation Analysis on the Transmitter/Receiver of MCR-WPT

Xin Zhang, Linlin Gao, Chao Wang, Zhiye Wang

15:40 – 17: 40 Oral Session 23 at ZIHUA Hall 2(15 mins per presentation)

Prediction of State of Charge of Lithium Battery for Electric Vehicle Based on Data Driven and Model Fusion

Xin Zhang, Chao Wang, Linlin Gao, and Xingming Fan

Research for SOC Prediction of Lithium Battery Based on GA-ESN

Xin Zhang, Mao Cai, Chao Wang, Linlin Gao

Coil Design of EVs Wireless Charging System Based on MCR-WPT

Linlin Gao, Xingming Fan, Chao Wang

Estimation of SOC of Battery Based on RVM-EKF Algorithm

Chao Wang, Xingming Fan, Linlin Gao

Research for Parameters Optimization of Echo State Network

Mao Cai, Chao Wang, Linlin Gao, and Xin Zhang

Research of Cross-Regional Vulnerability Governance for Power Grid Enterprise Information System

Qinqin Wu, Ye Liu, Bojian Wen

15:40 – 17: 40 Oral Session 24 at ZIHUA Hall 3(15 mins per presentation)

Text Classification Based on Hybrid CNN-LSTM Hybrid Model

Xiangyang She and Di Zhang

The Establishment of a Mathematical Model of Dedicated Heat-Protective Clothing and the Optimization of Design

Xiaobing Mao, Hengdi Yuan, Kai Song, and Yuguang Li

Differential Evolution Improved with Intelligent Mutation Operator Based on Proximity and Ranking

Guogang Cao, Cong Cao, Qing Zhang, and Wenju Li

Granular Division and Calculation Process of Pyramidal Algorithm Based on Massive Data

Wu Yong and Liao Mingxia

An Approach of Large-Scale Emergency Evacuation Based on the FCC-ACO Simulation
Research

Meng Liu, Wang Dan and Huang Qianqian

Hybrid Image Edge Detection Algorithm Based on Fractional Differential and Canny
Operator

Liangyan Wang, Xiubo Ma, and Honghai Wang

17:40 – : Banquet and Closing (on the 2nd floor)

Program for Poster Sessions

Dec. 8 (Saturday), 2018

9:00 – 10:10 Poster Session 1 at ZIHUA Hall 4

Virtual Simulation System for Finite Element Analysis Based on Web Server

Minghui Zhao, Jiaxin Han, and Sai Ma

Finite Element Analysis on Driving Drum of Mining Belt Conveyor

Minghui Zhao, Jiaxin Han, and Sai Ma

Optimization of Rectangular Layout Based on an Improved Adaptive Genetic Algorithm in Stone Cutting

Yuncheng Dong, Mina Chong, Chengyun Bai

Investigation of a Fuel Oil Viscosity and Temperature Control System Based on State Observation

Xiaobing Mao, and Hai Huang

Optimal Control on Crowd Evacuation with Leader-Follower Model

Tianhe Jiang and Ziheng Shangguan

Optimal Control on Crowd Evacuation in Disaster Resettlement with Leader-Follower Model

Tianhe Jiang and Ziheng Shangguan

A 3D Neuronal Morphology Classification Approach Based on Convolutional Neural Networks

Xianghong Lin and Jianyang Zheng

Robust Takagi-Sugeno Fuzzy Control for Nonlinear Singular Time-Delay Hydraulic Turbine Governing System

Chen Feng and Li Chang

Unsupervised Speech Denoising Method Based on Deep Neural Network

Xiaohan Chen

Design and Research of Face Recognition Simulation System Based on Image Preprocessing

Liu Meng, Wang Dan, and Huang Qianqian

A Hybrid Algorithm Based on Artificial Sheep Algorithm and Particle Swarm Optimization

Tan Ding, Li Chang, Chaoshun Li, and Chen Feng

A PTAS for Embedding a Directed Hypergraph in a Rings Cycle

Chaoxia Yang

10:20 – 12:00 Poster Session 2 at ZIHUA Hall 4

Improvement of Whole-Slide Pathological Image Recognition Method Based on Deep Learning

Xiaojun Ma, Haixia Liu, Yanxiong Niu

Text Classification Research Based on Improved SoftMax Regression Algorithm

Xiangyang She and Yinglong Zhu

Optimization of SEP Protocol Based on Relative Residual Energy

Chenghui Wu and Linghua Zhang

Study on Optimization Model of Airport Passenger Security Check Queuing Management

Yin Ding, Zhongquan Lv, Tao Chen, and Ye Yang

Vibration Tendency Prediction of Hydroelectric Generator Unit Based on Fast Ensemble Empirical Mode Decomposition and Kernel Extreme Learning Machine with Parameters Optimization

Yahui Shan, Jianzhong Zhou, Wei Jiang, Jie Liu

An Improved Belief Propagation Iterative Algorithm Based on Dynamic Scheduling

Hang Yin, Yuhuan Wang, Qiuyuan Huang

Power Consumption Interval Prediction Based on Quantile Regression Neural Network and Kernel Density Estimation

Haohui Lv, Guandi Chen, Mingbin Deng

On Distributed Cellular Backhaul Virtualization with Renewable-Powered Nodes

Tingting Zhang and Dapeng Li

Representation Learning for Knowledge Graph with Dynamic Margin

Yiqin Luo, Liang Chang, Guanjun Rao

A Parameter-Irrelevant Range-Based Normalized Wireless Positioning Algorithm

Jie-Tai Wang, Xiao-Niu Yang, and Zhen-Xing Luo

Research on the Influencing Factors of Consumer Participation in Cooperative Consumption in Shared Economy

Jianhua Dai and Libo Jin

Two four-Stage Semi-Implicit Stochastic Runge-Kutta Methods

Gangfeng Yan

13:30 – 15:30 Poster Session 3 at ZIHUA Hall 4

Stock Price Trend Prediction Model Based on Deep Residual Network and Stock Price Graph

Heng Liu and Bowen Song

Calculation Method on Tracking Interval of Magnetic Levitation Train

Ning Wang, Yuefeng Tang, and Xiangqian Liu

Selection of Kernel Function for Least Squares Support Vector Machines in Downburst Wind Speed Forecasting

Li Zhou and Li Chunxiang

Research on Curved Chinese Document Correction Based on Deep Neural Network

Yanchao Xing, Rui Li, Leilei Cheng, and Zeju Wu

Edge Saliency Based on Biological Inspiration for Object Edge Extraction Under Low Illumination

Qicao Deng, Liping Zhang, Yiwen Dou

An Automatic Matching Model for Chinese Test Questions and Knowledge Points Based on Text Classification

Yancong Li, Zhengzhen Shao, Hongxu Sun

Multiscale Parameter Identification Algorithm with Dynamic-Tracking for Distributed Electric Model of Lithium-Ion Battery

Wenjing Shen and Shupeng Zhang

Generation of Dispatching Rules for Hot Rolling Batch Scheduling of Seamless Steel Tube Based on Genetic Programming

Yang Wang, Tieke Li, and Bailin Wang

An Improved Segmentation Algorithm Based on Superpixel for Typical Industrial Applications

Jiafu Zhuang, Linjie Yang, and Jun Li

A Recognition Algorithm for Workpieces Based on the Machine Learning

Linjie Yang, Jiafu Zhuang, and Jun Li

Dark Channel Enhancement Algorithm with SRAD Model

Gongxing Wu and Yongqiang Cheng

Novel Variational Approach for Generalized Signal Dependent Noise Removal

Deshan Chen and XuanXuan Teng