

2020 7th International Conference on Information Science and Control Engineering

ICISCE 2020

Conference Program

Vienna International Hotel (Changsha Environmental Science and Technology Park)

December 18-20, 2020, Changsha, Hunan, China

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Message from the ICISCE 2020 General Chairs

ICISCE 2020 is the 7th International Conference on Information Science and Control Engineering, will be held from December 18-20, 2020, in Changsha, Hunan, China. The aim of the ICISCE 2020 is to provide an international conference for scientific research on Information Science and Control Engineering. ICISCE 2020 is Technically Co-Sponsored by IEEE Computer Society, Sponsored by Hunan University of Humanities, Science and Technology, Xiamen University, and Co-Sponsored by Hunan University, Swinburne University of Technology, Wayne State University, Iwate Prefectural University, China Jiliang University, Beijing University of Civil Engineering and Architecture, Henan University of Science and Technology, Minjiang University, Zhengzhou University of Light Industry, Shanghai Pudong New Area Association For Computer, Shanghai Lixin University of Accounting and Finance. ICISCE 2020 is the next event in a series of highly successful the International conference on Information Science and Control Engineering, ICISCE 2012 (December 7-9, 2012, Shenzhen, China), ICISCE 2015 (April 24-26, 2015, Shanghai, China), ICISCE 2016 (July 8-10, 2016, Beijing, China), ICISCE 2017 (July 21-23, 2017, Changsha, China), ICISCE 2018 (July 20-22, 2018, Zhengzhou, China), ICISCE 2019 (December 20-22, 2019, Shanghai, China).

We would like to express our sincere thanks to the Program Chairs: Shaozi Li (Xiamen University, China), Ying Dai (Iwate Prefectural University, Japan), Daniel Neagu (University of Bradford, UK), Lichuan Geng (Xuchang University, China), all program committee members and all the additional reviewers for their valuable efforts in the review process, which helped us to guarantee the highest quality of the selected papers for the conference.

We cordially thank all the authors for their valuable contributions and the other participants of this conference. The conference would not have been possible without their support. Thanks are also due to the many experts who contributed to making the event a success.

Prof. Heyun Liu, Hunan University of Humanities, Science and Technology, China

Prof. Qun Jin, Waseda University, Japan

Prof. Laurence T. Yang, St. Francis Xavier University, Canada

Prof. Jinjun Chen, Swinburne University of Technology, Australia

Prof. Ming Dong, Wayne State university, USA

ICISCE 2020 General Conference Chairs

Message from the ICISCE 2020 Program Chairs

Welcome to the 7th International Conference on Information Science and Control Engineering (ICISCE 2020), will be held from December 18-20, 2020, in Changsha, Hunan, China. ICISCE 2020 will be the most comprehensive conference focused on the Information Science and Control Engineering. ICISCE 2020 will provide an opportunity for academic and industry professionals to discuss recent progress in the area of Information Science and Control Engineering. In addition, the conference will publish high quality papers which are closely related to the various theories and practical applications on Information Science and Control Engineering. Furthermore, we expect that the conference and its publications will be a trigger for further related research and technology improvements in these important subjects.

For ICISCE 2020, we received many paper submissions, after a rigorous peer review process, only very outstanding paper can be accepted for the ICISCE 2020 proceedings, published by the IEEE Computer Society. All submitted papers have undergone blind reviews by at least two reviewers from the technical program committee, which consists of leading researchers around the globe. Without their hard work, achieving such a high-quality proceeding would not have been possible. We take this opportunity to thank them for their great support and cooperation. We also would like to thank all of you for your participation in our conference, and also thank all the authors, reviewers, and organizing committee members.

Thank you and enjoy the conference!

Prof. Shaozi Li, Xiamen University, China

Prof. Ying Dai, Iwate Prefectural University, Japan

Prof. Daniel Neagu, University of Bradford, UK

Prof. Lichuan Geng, Xuchang University, China

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Zhou Su, Waseda University, Japan
Zonghua Zhang, Institut TELECOM/TELECOM Lille1, France

Enabling Precision Health for Everyone with Personal Analytics and Individual Modeling

Qun Jin

Faculty of Human Sciences, Waseda University, Japan

Abstract

To ensure healthy lives and promote well-being for all at all ages is the third goal of the 17 United Nations Sustainable Development Goals (SDGs). Emerging technologies, such big data, IoT, and AI, can transform the way health data are collected and used, and contribute to promising healthcare services for every citizen. In this talk, we discuss how to enable precision health for everyone with personal analytics and individual modeling by utilizing personal data and health data. We focus on two important issues in using of personal health data: (1) privacy protection and enhancement, and (2) data quality assurance and sustainability. We present our vision and work on privacy-preserving personal analytics and individual modeling to make individualized healthcare to work.

Short Bio



Qun Jin is a professor at the Networked Information Systems Laboratory, Department of Human Informatics and Cognitive Sciences, Faculty of Human Sciences, Waseda University, Japan. He has been extensively engaged in research works in the fields of computer science, information systems, and human informatics. His recent research interests cover human-centric ubiquitous computing, behavior and cognitive informatics, big data, personal analytics and individual modeling, cyber security, blockchain, intelligence computing and applications in healthcare, and computing for well-being. He authored or co-authored several monographs and more than 300 refereed papers published in the world-renowned academic journals, including IEEE and ACM Transactions, and international conference proceedings, among which a few were granted best paper awards. He served as a general chair, program chair, and keynote speaker for numerous IEEE sponsored international conferences. He served as a guest editor in recent years for IEEE Transactions on Industrial Informatics (2019), IEEE/ACM Transactions on Computational Biology and Bioinformatics (2018), IEEE Transactions on Computational Social Systems (2018), IEEE Transactions on Emerging Topics in Computing (2017), IEEE MultiMedia (2017), and IEEE Cloud Computing (2015). He is a foreign fellow of the Engineering Academy of Japan (EAJ).

Cyber-Physical-Social Systems: System Design and Data Analytics

Laurence T. Yang
Department of Computer Science
St Francis Xavier University, Canada

Abstract

The booming growth and rapid development in embedded systems, wireless communications, sensing techniques and emerging support for cloud computing and social networks have enabled researchers and practitioners to create a wide variety of Cyber-Physical-Social Systems (CPSS) that reason intelligently, act autonomously, and respond to the users' needs in a context and situation-aware manner. The CPSS are the integration of computation, communication and control with the physical world, human knowledge and sociocultural elements. It is a novel emerging computing paradigm and has attracted wide concerns from both industry and academia in recent years. Currently, CPSS are still in their infancy stage. Our first ongoing research is to study effective and efficient approaches for CPSS modeling and general system design automation methods, as well as methods analyzing and/or improving their power and energy, security, trust and reliability features. Once the CPSS have been designed, they collect massive data (Volume) from the physical world by various physical perception devices (Variety) in structured/semi-structured/unstructured format and respond the users' requirements immediately (Velocity) and provide the proactive services (Veracity) for them in physical space or social space. These collected big data are normally high dimensional, redundant and noisy, and many beyond the processing capacity of the computer systems. Our second ongoing research is focused on the Big Data-as-a-Service framework, which includes data representation, dimensionality reduction, incremental and distributed processing, security and privacy, deep learning, clustering, prediction and proactive services, aiming at representing and processing big data generated from CPSS, providing more valued smart services for human and refining the previously designed CPSS. This talk will present our latest research on these two directions. Corresponding case studies in some applications such as smart traffics will be shown to demonstrate the feasibility and flexibility of the proposed system design methodology and analytic framework.

Short Bio



Laurence T. Yang got his BE in Computer Science and Technology and BSc in Applied Physics both from Tsinghua University, China and Ph.D in Computer Science from University of Victoria, Canada. He is a professor and W.F. James Research Chair at St. Francis Xavier University, Canada. His research includes parallel, distributed and cloud computing, embedded and ubiquitous/pervasive computing, and big data. He has published 200+ papers in the above areas on top IEEE/ACM Transactions/Journals including 6 and 25 papers as top 0.1% and top 1% highly-cited ESI papers, respectively. He has been involved actively act as a steering chair for 10+ IEEE international conferences. He is the chair of IEEE CS Technical Committee of Scalable Computing (2008-2011, 2018-), the co-chair of IEEE SMC Technical Committee on Cybermatics (2016-) and the vice-chair of IEEE CIS Technical Committee on Smart World (2016-2019). In addition, he is serving as an editor for many international journals and is an author/co-author or an editor/co-editor of more than 25 books from well-known publishers, invited to give around 50 keynote talks at various international conferences and symposia. His recent honours and awards include IEEE Sensor Council Technical Achievement Award (2020), IEEE Canada C. C. Gotlieb Computer

Medal (2020), Clarivate Analytics (Web of Science Group) Highly Cited Researcher (2019, 2020), Fellow of Institute of Electrical and Electronics Engineers (2020), IEEE TCCPS Most Influential Paper Award on Cyber-Physical Systems (2020), IEEE SCSTC Most Influential Paper Award on Smart Computing (2019), IEEE TCBD Best Journal Paper Award on Big Data (2019), Fellow of Engineering Institute of Canada (2019), AMiner Most Influential Scholar Award for Internet of Things (2018), IEEE TCCPS Distinguished Leadership Award on Cyber-Physical Systems (2018), IEEE SCSTC Life-Career Achievement Award on Smart Computing (2018), Fellow of Canadian Academy of Engineering (2017), IEEE System Journal Best Paper Award (2017), IEEE TCSC Award for Excellence in Scalable Computing (2017), Elsevier JCSS Journal Most Cited Paper Award (2017) and the PROSE Award on Engineering and Technology (2010).

Effective Privacy Preservation in Blockchain

Prof. Jinjun Chen

Department of Computer Science and Software Engineering
Swinburne University of Technology, Australia

Abstract:

Blockchain presents many advantages such as decentralization and trust without credibility for underpinning various applications especially in finance. However, user privacy such as identity and contract sensitive data needs to be preserved properly. How to protect user privacy in blockchain comes to the picture and calls for effective solutions. Especially, we need to consider data utility when preserving user privacy. In this talk, we will illustrate this research challenge.

Short Bio:



Dr Jinjun Chen is a Professor from Swinburne University of Technology, Australia. He is Deputy Director of Swinburne Data Science Research Institute. He holds a PhD in Information Technology from Swinburne University of Technology, Australia. His research interests include data privacy and security, cloud computing, scalable data processing, data systems and related various research topics. His research results have been published in more than 180 papers in international journals and conferences, including various IEEE/ACM Transactions. He received various awards such as Editorial Excellence and Eminence Award of IEEE Transactions on Cloud Computing (2018), and UTS Vice-Chancellor's Awards for Research Excellence Highly Commended (2014). He is currently an Associate Editor for ACM Computing Surveys, IEEE Transactions on Computers and IEEE Transactions on Sustainable Computing.

Conference Schedule

Date	Time	Banquet Hall (2楼宴会厅)	Chopin Hall (23楼肖邦厅)
2020-12-18	09:20-20:00	Registration: Hotel Lobby (1楼酒店大厅)	
2020-12-19	09:20-09:30	Take Photos	
	09:30-10:20	Keynote by Qun Jin	
	10:20-11:10	Keynote by Laurence T. Yang	
	11:10-12:00	Keynote by Jinjun Chen	
	12:00-12:50	Lunch	
	13:00-15:40		Oral Session 1
	15:40-18:20		Oral Session 2
	18:20-19:20	Dinner	
2020-12-20	08:20-10:20		Oral Session 3
	10:20-12:20		Oral Session 4
	12:20-13:00	Lunch	
	13:00-15:40		Oral Session 5
	15:40-18:20		Oral Session 6

Instructions for Presentations

Oral Presentation

Devices Provided by the Conference:

Laptops (with MS-Office & Adobe Reader)

Projectors & Screen

Materials Provided by the Presenters:

PowerPoint or PDF files

Duration of each Presentation (Tentatively): 12 minutes

Regular Oral Session: about 12 Minutes of Presentation

Keynote Speech: 50 Minutes of Presentation

Poster Session

Poster Session at Chopin Hall. The time at December 19-20, 2020

Devices Provided by the Conference:

Space and Sellotape

Materials Provided by the Presenters:

90cm(h) × 60cm(b) poster

December 18, 2020

Registration 09:00-20:00

December 19, 2020

09:20—09:30 Take Photos

09:30-10:20 Keynote 1

Title: Enabling Precision Health for Everyone with Personal Analytics and Individual Modeling

Prof. Qun Jin

10:20-11:10 Keynote 2

Title: Cyber-Physical-Social Systems: System Design and Data Analytics

Prof. Laurence T. Yang

11:10-12:00 Keynote 3

Title: Effective Privacy Preservation in Blockchain

Prof. Jinjun Chen

12:00-12:50 Lunch

13:00-15:40 Oral Session 1

13054	Influence of random disturbance on hit accuracy of Rocket Launcher	Xu Chang, Wei Manting, Zhao Yiding
13637	Prediction Model of Wheel/rail Squeal Noise and Sensitivity Analysis of Relevant Parameters	Xiaogang Liu, Chang Mei, Junbo Wu, Changbin Xiao
13068	Study on Conflict-free path planning for picking robots based on traffic rules	Shen Guicheng, Yu Zhen, Gong Lisen
13107	Dynamic allocation method for airport gates based on capacity relaxation	Zhiwei Xing, Sibowang, Di qiao, Qian Luo, Hua Cheng, Tao Wen
13114	Induction Motor Electrical Fault Online Diagnosis Based on Joint Estimation Unscented Kalman Filter	YUAN Ju-mei
13115	Research on Spectrum Sharing of Cognitive Satellite Network Based on Blockchain	Chunfeng Wang
13125	Fault diagnosis of motor based on low cost edge computing technology	Ye-Cheng Zhang, Yi-Horng Lai, Liang Fang, Chiao-Sheng Wang, Jau-Woei Perng
13126	Low-Voltage Bandgap Reference Based on Deep Submicron Technology	Xiangliang Jin*, Bingjun Xiong
13127	Design and Analysis of Two-Stage CMOS Operational Amplifier for Fluorescence Signal Processing	Xiangliang Jin, Jiaojiao He
13151	A graphical method - genetic algorithm (GMGA) approach for parameter estimation of twofold Weibull mixture model	Xiaoyun Dong, Rui Zheng
13161	Research on Matching Method of Navigation Capacity Based on Genetic Algorithm	Fuqiang Xing, Songwei Li, Wei Li, Tianjiao Wang, Hongen Liu, Ruohong Ling
13201	Adaptive Energy Management by Reinforcement Learning in Cluster-based Solar-powered WSNs	Yujia Ge, Yurong Nan

13221	Design of a Simulator for Airworthiness Verification of Airborne Navigation Equipment	Zhong Lunlong, Fan Zhendong, Zhang Zhuoxuan
13222	Data-driven Soft Sensor Modeling for DCT Clutch Pressure Based on Decision Tree and Stepwise Regression	XiangZeng, GuangqiangWu*

15:40-18:20 Oral Session 2

13229	An efficient parallel algorithm for determining flow directions over flat surfaces based on raster digital elevation models	Lihui Song, Guiyun Zhou, Yang Chen, Zhonghua Su
13231	Design Method of Collision Avoidance Impulsive Maneuvers in the Final Approaching stage of Rendezvous and Docking Based on the rectangular Keep-Out-Zone	Jingjing Liang, Yu Ning, JingLin Liang, Yongchun Xie
13240	Efficiency of Buffer Caching in Computing-Intensive Workloads	Hyokyung Bahn
13241	Implications of Small Memory and Fast Storage in Emerging Computing Devices	Hyokyung Bahn
13248	Event-triggered neuroadaptive attitude control for spacecraft with fixed-time prescribed performance	Qi Li, Xueping Wang*, Qiuxiong Gou, Zhiqi Niu, Li Ding, Na Yang, Yanning Li
13251	Testing Research on the Modal Characteristics of Space Membrane Structure in Vacuum Environment	Luo Jie, Xu Zhe, Qiu Hui, Shang Aihua
13253	Mechanical Performance Analysis and Experimental Study of Flat Spiral Spring	Xin Zhou, Geng Liu*, Bing Han
13255	Research on the Fast Template Matching Method of Micro Parts	Jia-yi Zhang, Zhi-qiang Liu, Ying Liu
13258	Detection and Analysis of Fetal Movements Using an Acoustic Sensor-based Wearable Monitor	Abhishek Kumar Ghosh, Ravi Vaidyanathan, Anne Cherian, Jasmine Prasad, Sivakumar Balasubramanian, Suresh Devasahayam, Niamh C. Nowlan
13266	DAG-based Task Scheduling in Mobile Edge Computing	Ying Shang, Jinglei Li, Xiguang Wu
13271	A novel algorithm of dorsal hand vein image segmentation by integrating matched filter and local binary fitting level set model	Ziyang Guo, Yao Ma, Xiaolin Min, Hui Li, Qingyi Liu, Chao Han, Guang Yang, Peirui Bai*, Yande Ren
13278	Fault diagnosis based on multi-sensor information fusion using LSTM and D-S evidence theory	Li Pengyu, Hou Wenkui, Yang Kun, Yan Qiuying*, Ye Yong
13280	Aero-engine Gas-path Fault Diagnosis by CNN Based on QAR Data	Hou Wenkui, Yang Kun, Li Pengyu, Xu Yujie, Ye Yong*, Yan Qiuying
13281	Stability analysis of polynomial nonlinear systems via semi-tensor product method	Chengyuan Du, Lixin Gao
13292	Joint MCS Selection, Number of Stream and Stream Power Allocation for MIMO System in 5G	Ming Fan, Minghui Zhang and Ming Chen
13319	Self-learning Constellation Mapping Method Based on Neural Networks	Yingzhe Luo, Jianhao Hu
13321	Integrated Navigation and Positioning based on UWB	Huaming Qian, Fei Wang

18:20-19:20 Dinner

December 20, 2020

08:20-10:20 Oral Session 3

13322	A new Random Phases Correction Algorithm for Synthesizing Engine Noise	Kai Liu, Liping Xie, Zhien Liu, Rongpei Qin
13351	Controlled Source Electromagnetic Data Denoising Based On CEEMD and Correlation Analysis	Ding Di, Li Guang, He Zhu-shi, Liu Xiao-qiong, Zheng Hao-hao, Li Tian-ze.
13358	Realization of the complementary doping top-gated graphene field effect transistor	Song-ang Peng, Zhe-hai Zhou, Zhi Jin, Qiang Yang, Jing Zhang, Yu-fan Shi
13359	Time Sequence Prediction for Unmanned Surface Vehicle Collision Avoidance based on LSTM Network	Wenli Sun, Xu Gao
13364	Analysis on the Evaluation of Rural Smart Tourism in Ningxia under the Cloud-edge-terminal Architecture	Jian Xu, Changyong Liang, Hongmei Zhang, Lin Ma, Shuping Zhao
13380	An improved convolutional neural network and its applications to image super resolution	Li Pengfei, Liu Fengqiu
13388	An efficient algorithm for high average utility itemset mining with buffered average utility-list	Min-Jie Gao, Jia-Xiang Lin, Jian-Wei Wu
13396	High Performance Convolutional Neural Network Accelerator Based on Design Space Exploration	Wei Pang, Shengli Lu
13402	Multifunctional Radio for 6G	Chengkang Pan, Ailing Wang, Yajuan Wang, Liang Ma
13409	A Privacy-Preserving Energy Consumption Data Sharing Framework for Smart Grids	Huijian Wang, Hang Yu, Haijie Zheng, Gaozhou Wang, Cong Wang, and Beibei Li
13410	Intelligent Manufacturing in China: Innovation Drive and Responsible Innovation	HUANG Yehsiang, YAN Ping

10:20-12:20 Oral Session 4

13413	Design and analysis of high-precision weighted area ratio algorithm for fluorescent optical fiber temperature sensor	Xiangliang Jin, Jian Yang
13416	Design of AC High-Voltage Switch for Solid-State Transformer of Smart Grid	Liang Wang, Haiyue Yu, Donglai Zhang
13417	Context-based Fine Hierarchical Object Detection with Deep Reinforcement Learning	Yihong Cao, Xiao Lu, Yiwei Zhu and Xuanyu Zhou
13418	Face Detection with Viola Jones Algorithm	Zoubaydat Dahirou, Mao Zheng, Mao Yuxin
13425	BTReader: A High-Performance Fault Tolerant Self-Adaptive Broadcast Framework	Chao Li, Changhai Zhao, Qiwen Yuan
13435	Ensemble-Based Graph Model and Dense Reconstruction Error for Infrared Target Detection	ZhaoYunfei, Zhang Baohua
13481	Prediction Model of Dioxin Emission Concentration in MSW Incineration Process Based on Stochastic Configuration Network	Chenxi Ding, Aijun Yan, Dianhui Wang
13482	Market-based Dynamic Resource Allocation in Mobile Edge Computing Systems	Xiaowen Huang, Wenjie Zhang, Jingmin Yang, Liwei Yang, Chai Kiat Yeo
13493	Modeling of the TLB miss rate and the Page fault rate for NVM-based Storage Systems	Yunjoo Park, Hyokyung Bahn

13501	Compact L-band High Performance Self-bias GaN Power Amplifier	Shuai Wang, Shichang Zhong, Liang Zhao, Fei Li
13509	The Application of Big Data Technology in Financial Analysis	Wenchuan SUN

12:20-13:00 Lunch

13:00-15:40 Oral Session 5

13514	Making Connections: How Do Control and Hydraulic-Mechanical-Electrical Subsystems Relate to Low Frequency Oscillations in a Hydropower Generation Unit	Huanhuan Li, Jingjing Zhang, Pengfei Wang, Diyi Chen
13516	An Empirical Study on Factors influencing Users' Psychological Reactance to Artificial Intelligence Applications	Hong Sheng, Yanliang Chen
13517	Accurate sEMG Classification for Hand Gesture Recognition Using Pattern Recognition Techniques	Mohamed Amin Gouda, Hong Wang, Naishi Feng
13518	An Improved Gaussian Particle Filtering Algorithm for Fixed Single Station Passive Location and Tracking	Li Liang-qun, Hu-Sheng
13524	Prediction model of multi-step attack	ZeKe Li, Zhilin Duo, ZeWen Chen, Zilun Zhao, Ye Liang
13554	DEM-based GF-3 SAR Image Geometric Rectification Method of Transmission Line and Tower Location with Real Time Ephemeris	Shuangde Huang, Shangqi Duan, Xingke Ge, Haidong Lu, Tao Wang, Debin Xu, Baoyu Xu, Yusong Zhang, Zhiyong Suo
13557	The application of ratio correction method in radio spectrum	Yankun Zhang, Liang Dong, Mingyue Li, Lesheng He, Min Wang
13562	Investigation of Aircraft Surface Defects Detection Based on YOLO Neural Network	Zhang Deyin*, Wei Penghui, Tan Mingwei, Chen Conghan, Wang Li, Hong Wenxuan
13571	GLS Integrity Assessment Method Based on Clustering and Improved EM Parameter Estimation	Zhong Lunlong, Zhang Zhuoxuan, Fan Zhendong
13582	Analysis of Requirements and Architecture of the Next Generation Flight Management System	Zhong Lunlong, Liu Jiongpo
13584	Subjective Image Quality Assessment: A Pre-Assessment on Visual Distortion of Medical Images by Clinicians and Radiologists	Yuhao Sun, Yamei Zhao, Junsheng Sun*
13590	Realizing compliant insertion task based on Attractive-Region-in-Environment	Ziyu Chen, Hong Qiao
13594	Parameter identification and verification of Preisach hysteresis model based on Levenberg–Marquart algorithm	Bao Guangqing/HeXiao/HuangLei
13600	An In-Vehicle Network Security Protocol Based on Dynamic Encryption	Yu Luo, Yehua Wei, Defeng Ding, Jiaying Xie

15:40-18:20 Oral Session 6

13609	Fast Multi-output Regression Based on Piecewise Linear Approximation	Zhihui Li, Yufei Huang, Shuai Wang, Yongmei Liu, Jing Zhang
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13610	Implementation Strategies and Issues for a Low-power Synchronized Timer in a Distributed Wireless Sensing Domain	Giuseppe Coviello, Gianfranco Avitabile, Antonello Florio
13611	A study on the impact of the array pitch on the Angle of Arrival Estimation through an interferometric approach	Antonello Florio and Gianfranco Avitabile
13612	A Novel Two Degrees of Freedom Control Strategy for PS/S Current-fed IPT System	Haowei Niu, Xuewei Pan, Canlin Xiao, Zhongyue Zhang
13616	A Novel Consensus Evaluation by an APP for Suppressing Bad Driving	Tang-Hsien Chang, Cheng-Hong Fu, ShaoFeng Zheng, Liangpeng Gao
13617	Smart MICE: Definitions, Foundations and Development	Xiao Liu, Randy SeEVERS, Zhongwei Gu, Xiaohua Yang
13640	Optimization design of Marine electric fire warning system	Yang jiaxuan, Zhou Zhiyong, Feng Tonghui, Liu Ling
13652	Moisture and Aging Effect Analysis on Dielectric Properties of Cellulose Insulation Used in Power Transformer by Molecular Dynamic Simulation	Qiang Liu, Yu Shang, Xiaowei Liu, Yong Liang Wenyu Ye, Jian Hao
13660	Power Energy Information Changing Law Simulation for Distribution Network under Single-Phase Grounding Fault	Jian Qin, Gang Liu, Kun Liu, Bing Ai, Jie Wu, Jian Hao
13710	Information Security Management based on Risk Assessment and Analysis	Xueqian Zhang, Yumin He
13730	Research on Hydraulic Decoking Monitoring System Based on FBG Vibration Sensor	LI Ganming, ZHAO Dong, ZHONG Dong *, LI Zhongming
13742	A Hierarchical Plan Strategy for Manipulators Based on Movement Rules of Human Arms	Yuan Wei, Ronglun Ren
13202	Design and Application of Experimental Teaching Project of Nursing Based on Virtual Reality	Changyong Yang, Huijie Zhao

Poster Session

13040	Dynamic Scheduling Strategy of Single Process Intelligent RGV	Chunyan Liu
13050	Research and Application of Internet of Things Edge Autonomy Technology Based on Microservice in Power Pipe Gallery	Haichao Ji, Shucaai Sun, Yehua Xie, Hongkun Liu, Tao Jiang
13052	Cooperative Vehicle-Infrastructure System Use Case Design for Smart Highway	Lei Cai, Chunlei Meng, Xinke Wang, Chenyang Lyu, Xiaoliang Sun
13053	The Real-Time All-in-Software CNC Engraving System Design Based on RTX Platform	WANG Zheng-you
13057	PTR-MirrorGAN: Parallel Text Redescription module for advancing MirrorGAN	Hong Deng* , Zhichao Liuy, Huojiao He* , Yingqiong Peng* and Muxin Liao
13060	Modeling customer satisfaction of bus transit with bus lanes based on ordinal regression	Chen Qian1, Linghui He1, Han Yang2 * , Zhengyu Duan1, Dongyuan Yang1
13062	Decoding Method of the Cyclic Code Based on the Compressive Sensing Theory	Jiang En-hua, Wang Li-jie
13063	Pilot test of using Organic nutrition strengthening technology to treat high nitrogenous wastewater	Huidong Zhuang &Wei Hong&Zengguo Zhang&Shihua Liang
13064	A Solution Analysis of U.S. Weapon Equipment Systems-of-Systems Development and Application	Menglong Lin1, Shuanghui Yi2*, Mengmeng Zhang1, Zhen Shu1
13065	Research on Factors Influencing Comments on the Online Cultural Heritage Exhibition under the COVID-19 Epidemic Situation	Yi-lin Sun, Fan Zhang
13077	Research on Precision Marketing Model of the Inspection and Certification E-commerce Platform based on Personalized Recommendation and It's Application	Ting liu, Guangming Cheng, Xiaoyin Liu, Juan Du
13079	Research on Massiveness Characteristics Weights of Big Knowledge Based on the Big Data	Xiaoling Zhang1, 2, Xiyu Liu1, 2
13080	Multi-variable Discretization Based on Extended Maximum Information Coefficient	Taoyong Gu, Jian Wang, Zhong Ma, Jiansheng Guo, Sheng Mao
13082	Numerical simulation on the coal gasification process in dry feed entrained gasifier	Lijun Wang, Xiaocheng Du, Jiajun Sun, Shuping Duan, Xin Xie
13084	An Omnidirectional Dual-polarized Antenna for MIMO Communication System	Jian-Hui Xun, Qing-Kun Ge
13085	Exploration into the Interactive Design of Online Education Platform based on the Continuous Usage Behavior	Prapan PANWUT, Tao Xi
13086	Study on Conflict-free path planning for picking robots based on traffic rules	Shen Guicheng, Yu Zhen, Gong Lisen

13088	A new chaotic binary gravitational search algorithm and its algorithm test	Haidong Zhu; Baole Huang*; Hao Hao
13089	optimization design of slide valve flow channel	Chen Chen, Yilong Song, Yudong Xie*, Jiazhen Han, Yanjun Liu*
13091	Visual Display of Tunnel Water Damage in Construction Stage	FU Helin ^{1, 2} , AN Pengtao ^{1, 2} , LI Kai ³ , LI Jie ^{1, 2} , LI Liang ^{1, 2} , WANG Feng ^{1, 2}
13092	Shear Velocity Prediction in the Tight Oil Formation with Deep Learning	He Pei, Jiang Ren ¹ , ZengQingcai ¹ , Lu MingHui ¹ , LiLinggao ¹ , Yang Yadi ¹
13094	The application of CNN-LightGBM algorithm in remaining useful life prediction	Zhong MA, Jiansheng Guo, Sheng Mao, Huijie Zeng, Taoyong Gu, Tao Yang
13095	Image Stitching Algorithm Based on Improved Harris Corners Extraction	Zeyang Wang ^{1, 2} , Zaojun Fang ^{1*} , Suying Zhang ² , Weijun Wang ¹ , Chi Zhang ¹ , and Guilin Yang ¹
13097	A Structural Representation Method for Information of Things in Internet of Things	Guiping Dai* , Yong Wang
13098	Relation of Web Service Orchestration, Abstract Process, Web Service and Choreography	Guiping Dai, Yong Wang
13099	An Algebra of Reversible Quantum Computing	Guiping Dai, Yong Wang
13100	Optimization of Loran-C and Beidou integrated positioning performance	Yinhua Liu, Ye Ren
13101	Semantic segmentation method in family life scene	Tongfei You, Linghua KongDingrong Yi, Wenyu Liu,
13102	Research on Factors Influencing the Masses' Will of Browsing Anti-Epidemic Posters Online under the COVID-19 Epidemic	Sheng Zhou, Fan Zhang
13103	Over-frequency Generator Tripping Control of Sending-end System Considering Transient Instability Generating Units	Jihong Tang, Hongbin He, Gaocai Yang, Shuai Xiao
13105	Blow-up phenomena for a class of p-Laplacian heat equations with logarithmic nonlinearity term	Zhoujin Cui
13106	Development of data acquisition system of electric parameters for neutral beam injector ion source	Wei LIU ¹ , Chundong HU ^{1, 2} , Lizhen LIANG ^{1, 2} , Yuanzhe Zhao ^{1*}
13108	Research on Indoor UWB Positioning Algorithm in NLOS Environment	Taoyun Zhou, Yun Cheng*
13110	Maximum and minimum information transmission delay of the strong product networks	Haoran Yin, Feng Li
13116	A Phase Current Compensation Control for Comfort and Handling stability Improvement in In-Wheel Motor Driven Vehicles	Zhe Li*, Jie Fana, Qin Bab, Yang Ouc Yi Wangd, Bo Denge, Zaiqiang Meng f,
13117	Design and Analysis of Data Processing Algorithm for RF Ion Source	Yuanzhe Zhao, Chundong Hu, Yahong Xie, Qinglong Cui, Wei Liu

13118	Data Analysis for Field Orienteering Monitoring by Compass System	Yang Hui, Liu Chuanxu, Sun Yanfei, Hou Zhibin, Li Xinjian, Liu Qingting, Yang Shuojun
13119	Empirical Analysis of Channel Selection in the Process of E-Commerce Brand Internationalization Based on Weighted Model	Wenli Li, Chenggang Li*
13120	Ship Steering Design Based on NOMOTO Equation	Liu Xianghui, Bu Renxiang, Sun Wuchen
13121	Automated Surface Defects Detection on Mirrorlike Materials by using Faster R-CNN	Jules KARANGWA1, Linghua Kong2
13122	A Study of trustworthiness for P2P lending	Ying Chen, Xing Long Xie
13123	Comprehensive performance improvement of IWM-EVs with active suspension based on multi- objective integrated optimization	Zhe Li*, Yang Oua, Yi Wangb, Qin Bac, Jie Fand, Bo Denge, Zaiqiang Mengf, Peng Wangg
13124	Standardized Design of Satellite Data Stream Based on Packet Format	Yang LIU, Yuanyuan DAI, Guohua LIU, Zongde LI, Shuang GAO, Longfei TIAN
13128	Analysis and treatment for a insulation resistance decreasing accident of clamp to the ground in main transformer	Xiu Zhou, Chao-wei Jiang, Lei Shi, Yu-hua Xu1, Tian Tian1, Yan Luo, Ning-bo Liu, Peng-cheng Zhang, Xiu-guang Li1, Ning-hui He
13131	Design and Simulation of An Electrical Parameter Detection Device	Hongtian Liu, Huanxin Su, Chao Song, Yang Cao, Wanjun Zhang, Dongjun Wang, Hongwei Wu
13132	Research on Multi-User Slicing Technology for 5G Transmission Network	Long Pang1, Luehong Xu1, Yongjian Wu1, Ruihui Li1, Peng Zheng1
13134	Design and Application of Software Phase-Locked Loop Based on DSP under Voltage Asymmetry	Fei LV, Chunming DAI, Songtao ZHANG
13135	Polyphonic Sound Event Detection Based on CapsNet-RNN and Post Processing Optimization	Liyan Luo, Liujun Zhang
13136	Multi-sensor Multi-Bernoulli target tracking algorithm based on measurement fusion	Ruhua Cai, Xiangting Fan, Sunyong Wu, Baohong Zou, Li Wang
13137	Automatic Checking of Functional Closeness of Web service Composite System	Chi Zhang
13139	Optimized Space-station CV Method and Its Differences from GNSS CV	Yinhua Liu, Xiaohui Li
13141	A Method of Multi-Sensor Data Fusion Based on SPA	Junjia Yang
13143	The Repetitive Controller Design for Inhibiting the Torque Ripple of PMSM	Bowen Dou, Chuangjia Chen, Qian Peng, Rufe He, Junjie Dong, Tao Yu, Zhiqiang Wang, Qian Peng, Yeda Huang

13144	Adaptive Variational Mode Time-frequency Analysis of Ship Radiated Noise	Haoyi Zhang、 Naveed Ur Rehman Junejo、 Weitao Sun、 Hailan Chen、 Jiaquan Yan*
13145	Optimization of Nadam algorithm for image denoising based on convolutional neural network	Linan FAN, Zaitian LONG
13148	Design and Verification of UART Circuit of SoC Based on AMBA Bus	Liu Yuan1, Zhang Lei1, Xu Shuxi1, Wang Jian1, Xu Chen1, Zhou Linglin1
13152	a high efficiency acoustic energy scavange circuit applied on ECG signal detection	Fanyang Li, Rongjie Zhou
13153	Optimizing Power Distribution Process on Ships: Research on Energy Management Strategy of Photovoltaic- Hybrid Energy Storage System	Yue Xu Xin, Fang Peng2, Gao Jia Jun2
13154	An Improved BP Neural Network Algorithm	Liu Ya, Xu Zhen
13155	Modelling method of marine diesel generator based on Fuzzy PID control	Wang Wei, Gao Jiajun2, Fang Peng
13157	Step-length optimization based on genetic algorithm for a parallel mobile robot	Shuang Liu, Hang Wu, Wei Chen *, Wenchang Zhang *
13158	Access Point Selection for Cell-free Massive MIMO Over Rician Fading Channels	Rui Wang* †, Min Shen*
13159	A New Model of Safety Management System for Railway Operation	ShangWU1, Xiao Cheng GE2 and YanyunLUO1
13160	Research on Detection Method of Traffic Anomaly Based on Improved YOLOv3	Xinwen Gao, Le Jiang
13163	Design of A High Performance Monobit DFT Based on FPGA and 1-Bit Samplers	Pengfei Ji, Qingzhan Shi, Naichang Yuan
13165	Research on Invulnerability Evaluation of Optical Network Geography Disaster	WANG Jingyu LI Juan XU Liting LIU Jiong WANG Chengjin
13166	The method of singular value processing for noncontact detection of rotating parts	Jiang Han1, Gaoqing He1, Jian Xiao
13167	Human Activity Recognition using A Improved Model Based on Multi-Head CNN-LSTM	Changhao Ni, Shengxiao Guan, Yajie Li
13168	Research on Customers' Purchase Decision Factors for Smart Speaker	Han Xi, Xi Tao
13169	The non-probability interval reliability design method on entire roller embedded shapemeter roll	Kai Wang1, Haimiao Wu, *and Xuehui Li1
13171	Application of Active Emergency Repair Method Based on Comprehensive Intelligent Research and Identification	Haiping Yu, Hongjia Fang
13172	Carcorder Camera Calibration method of external parameters based on lane line	Guo-hang Shan, Qian Li, Shuang-cheng Jia

13173	Nonlinear modified sliding mode control of ship heading	LI Xinyu, BU Renxiang, YU Jiaming, LI Liangqi
13175	A Shallow Crack Detection Method Based on Attractor Model	Yexiong Shen, Xiangyang Xu
13176	Design and Simulation of Multi-modal Signal Generator	LEI Hong, GAO Ge
13177	A DOA estimation method for area array based on dimensionality reduction processing	Sun Wei ^{1, 2} , Han Yu ^{1, 2} , Zhou Qing
13178	Articulated robot dynamics simulation research and control system design	Yun-peng DING, Pan-cheng ZHANG, Xue-jun ZHU, Yao-wen ZHANG
13179	Supapixel-level Structural Similarity Metric for Image Fusion Quality Assessment	Eryan Wang, Bin Yang
13181	Research on Factors influencing the Epidemic Information Acceptance of Middle-aged and elderly people on Mobile Terminals	Zhiwei Zhou, Tao Xi
13183	Research on the application of blockchain in supply chain information sharing	Yibiao Fang, Chuangming Zhou, Qingshuang Hu, Na Gao, Li Lu, Yimeng Li, Yanqiang Tang, Zilong Wang
13184	Application of fuzzy membership algorithm in dynamic voltage regulation control	Wang Haoxiong ¹ , Zhang Zhongtian ² , Pan Junfeng ²
13188	New results of optimal $(u \times v, \{3, 4\}, 1, (2/3, 1/3))$ -OOSPCs	Hengming Zhao, Rongcun Qin
13190	Inertial navigation technology based on Kalman filtering	Yao Li, Dongheng Li, Gaofeng Zhu*, Yun Cheng
13191	Research on Topology Automatic Recognition Technology of Medium Voltage Equipment in Distribution Network	Kexin Zhang, Lingwei Kong, Wenxuan Wang
13192	Tracking Control for Supercavitating Vehicles with unknown Parameters	Guangli Yan, yang Li*, Jian Zhang, Min Tang,
13193	A privacy preserving and public verifiable signature scheme for consortium blockchain	Hanshu Hong, Zhixin Sun*, Bing Hu, Yue Peng
13194	Design of Ultra-Wideband T-junction Power divider Based on Rectangular Micro Coaxial Structure	Zhaoyu Huang, Weiwei Wu, Boyuan Liu, Weidong Hu, Yun Jiang, Naichang Yuan
13196	Research of safety critical distance model for adaptive cruise control system	Ying Yan*, Mengyuan Wang
13198	Improvement of Face Recognition Algorithm Based on Convolutional Neural Network	Qiang Song, Ying Zhang, Yi Shi
13199	Research on Application of EPA Real-Time Industrial Ethernet in Ship Control Network	Chuping Yang, Zhikun Liu, Chao Ma, Long Chen

13200	Research on Novel Method of Gait Recognition	Yanli He, Ying Zhang, Yiwei Zhang
13202	Design and Application of Experimental Teaching Project of Nursing Based on Virtual Reality	Changyong Yang, Huijie Zhao
13203	Research on speed control algorithm of belt conveyor based on controllable parameter PSO-PID	Jianhua Ji, Changyun Miao, Xianguo Li, Yi Liu
13204	Analysis of Rural Residents' Demand for Health Information and Its Influencing Factors	Li guiling, Wu xiuqin, Ming yue, Bi yanling, Gao yin
13206	Faster All Convolutional Networks for SAR Image Classification	Jiansen Wen, Yanlin Xu, Shilin Zhou
13208	The Passive DOA Estimation by Virtual Time Reversal on FPGA	Zhixin Yu, Yongqing Fu
13209	An improved particle swarm optimization algorithm and its application to solve constrained optimization problems	Rui Chi, Xuexin Chi
13211	Research on Multi-mode Auto-drilling Technology of AC Variable Frequency Rig	LIU Shuguang, CHEN Xiaolong
13212	Analysis of pupil size amplitude signal in field fatigue detection	Cong Xiao-yan ¹ , Shang Kai ² , Wang Chun-peng ¹ , Zhu Hong-xuan ¹ , Liu Chun-yuan ¹
13213	Multi-lane discontinuous lane line instance segmentation based on discrimination loss function	Bo Guo, Qian Li, Shuang-cheng Jia
13214	Eye movement analysis of cockpit interface of small aircraft under the airfield traffic pattern	Ren, Hong, Kong, Fanru, Zou, Yuanyuan, Zhang, Ningning
13216	Convolutional Recurrent neural network with attention mechanism based improved skip-gram algorithm for text sentiment classification	Xiao Yang, Xiyu Liu
13217	Cylindrical Conformal Wideband Wide-angle Scanning Metasurface Array	Ying Wen, Shilin Zhou, Taolin Liu, Yi Liu
13218	Research on Fault Inversion Verification Technology Based on Practical-Test-Platform of Distribution Network	Xiaoyong Yu, Shaonan Chen, Lifang Wu, Liqun Yin, Weixiang Huang
13219	A Low Profile Log-Periodic Monopole Antenna with Top-Hat Loading	Zhijuan Wang, Shilin Zhou, Taolin Liu, Hu Yang
13220	Design of user behavior analysis model of e-commerce website based on Spark	Xiumei Wen Yuxuan Han Jianglong Fu Panying Li
13223	Improved Numerical Integration Algorithm for Electrical Parameter Measurement	Jian-zhong Huang, Han-xin Liao, Qing-le Hang, Gang Chen
13224	An Improved particle swarm optimization algorithm based on chaotic BAS strategy	Liyue Zhang ¹ , Yi Wang ¹ , Yun Zhang ² , Lei Zhang ² , Liheng Gu ² , Ningjun Guo ² , Yan Li ² , Haoran Liu ¹

13225	State-of-the-Art Deep Person Re-identification: A Review	Li Hou ^{1, 2} , Qi Liu ^{1, 2, 3} , Yang Zi ^{1, 2} , Yingxin Zhou ^{1, 2} , Ruoxue Zhai ^{1, 2}
13227	Wind Turbine Rolling Bearing Fault Diagnosis Using t-SNE and GWO-SVM	Zhenya Wang, Ligang Yao, Jiaxin Ding, Jun Zhang
13230	Further results on \mathcal{H}_∞ state estimation for delayed discrete-time neural networks via activation function-dependent zero equalities	Yanjun Shu* , Yajuan Liu* , Saibing Qiu
13232	Real-time Canny Edge Detection on FPGAs using High-level Synthesis	Zikun Tan, Jeremy S. Smith
13233	Improved Sliding Mode Control for Robust Trajectory Tracking of a Quadrotor UAV	Ting-Ting Li, Jing-Jing Xiong, Member, IEEE, and En-Hui Zheng
13235	A Method of Phase Correction in Multichannel Channelized Receiver Based on Cubic Spline Interpolation Algorithm	Shengnan Guo, Yongqing Fu
13236	Design of Finger Vein Recognition SOC Based on FPGA	Jie Li ¹ Wenyao Yang ¹ Yidan Shi, Zedong Nie
13237	Objective Ridge Regression System	Changmao Yang, Jie Xu
13238	A Scheme of Job Collaborative Filtering on Social Media	SHI Mingruo
13239	Research on Speech Emotion Recognition Technology Based on Machine Learning	Zhou Qing, WangZhong, Wangpeng
13242	Design of CEC Bus Controller Based On HDMI Interface	Xiaohong Peng, YuWang*, Shuqin Geng, Zhezhang, SenWang, HaonanTang JieZhang
13243	LSTM sentiment classification model based on one kind of dynamic loss weighting function	Yin Runda, Xiang Yan, Zhang Mingfang, Zhang Li, Wang Hongbin
13245	Design and Application of Security Monitoring and Management Platform Based on Internet of Things Technology	Huafeng Wen ¹ , Guihua Zhang ¹ , Yili Zhou ¹ , Jie Yao ²
13246	The influence of organic organizational structure on employees' overall justice: Mediating role of renqing perception	Han Ren, Charles Weizheng Chen, Chengdu, China
13252	Design of Auto Cruise System for Robots Based on UWB with Kalman filtering	Lihuang She, Yifan Zhang, Sijie Wu, Mao Zhang
13254	The Applicability of Sensor Size in Inhomogeneous Electric Field Based on ANSYS	Haiping Lv, Jian Wu, Jiang Guo, Bin Yang, Mingxi Geng, Wen Han, Wenqiang Zhu, Xiaotong Pan
13259	New Queue Management Scheme to Improve PiggyCode with Delayed-ACK Option	Eiji Takimoto, Shoichi Saito, Koichi Mouri
13260	An AIM-Based Identification for Time Delay of Sinusoidal Signals with Unknown Frequency	Yinghui Liang ^{1, 2} , Haiyan Tang ¹ and Zhaobi Chu ²

13261	Abnormal recognition of massive electric power data based on RF and CNN	Zhang Haitao, Li Pengcheng, Wang Ruying, Liu Wanlong
13262	How Chinese Language Style Influence the Communication Effect of Fashion Internet Celebrities' Weibo Accounts	Yan Zhang, *Gaojie Zhang
13263	Comparison of Disturbance Rejection Performance between Three Types of UAV Linear Controllers	Chao Huang, Heng Zhang
13265	Research on a new topic crawler based on HITS algorithm and semantic fusion	Peng Li* and Tianling Qiao
13268	Investigation of linear fit and maximum injury distribution of SBL-B aPLI	Geng Hao, Yuanjin Pei
13269	Design and Implementation of A Current Signal Isolator Based on FPGA	Kunming Zhao, Nanhang Luo, Huaqing Wan, Jiannan Liu, Wei Jiang, Wei Ding, Liang Li
13270	Design and Optimization for Linear array CCD Attribute Measurement	Li Kai, Yuan Feng
13272	High Resolution Remote Sensing Image Classification Based on Improved Particle Swarm Optimization Optimized BP Neural Network	Linxin Zou, Bo Wei*, Xing Li, Ming Xue
13273	Establishment of multiplex PCR for screening Escherichia coli and Salmonella in Chinese herbal medicine granules	Huang xuchun ² , Zeng Chuanping ² , Niu Ling ¹ , Ma Jianrong ² , Chen Liusheng ² , Ma Guangqiang ^{1, *}
13274	Bounding Box Repairing Algorithm for Underwater Object Detection Based on IoU Optimization	Bingchuan Chen ^{1, 2, *} , Lei Ma ^{1, 2} , Jimmeng Wu ^{1, 2}
13275	A Parallel Nonlinear Control System of Improved Generalized Predictive Control and Single Neuron PID Based on U-model	Qiankun Mao and Suoliang Ge
13276	Adaptive Control for Nonlinear System with Parameter Jump Based on Neural Network	Lunfeng Xia
13279	Automated Scenario Generation and Evaluation Strategy for Automatic Driving System	Peng Guo, Feng Gao
13282	A UAV-based Data Collection Approach for Wireless Sensor Network	Yangyang Chen, Song Shen
13284	Research on Laser Measurement of 3D curved Glass Contour based on computer Vision	Peng Wang ^{1, 3, *} , Jimmeng Wu ^{1, 2} , Guilin Yan ^{1, 2} , Shuo Bian ^{1, 3}
13285	Multi-objective Model and Algorithm for Vehicle Modal Driving Cycles	Xinyan Wang, Bo Li*, Tianjiao Li
13286	A Hybrid Compress Method of STL Mesh for Realtime VR Visualization	Zhao Zhang, Wei Lan ¹ , Jiayin Xin, Qiang Li
13287	An Auction-based Pricing Model for Big Data Trading	Zhenhuan Luo, Shuqiang Yang, YiQun Chen, Qingqing Xiong

13288	Recommender for channel pruning with weakly supervised meta learning	Wenfeng Yin, Gang Dong, Yaqian Zhao, Rengang Li
13289	Research on "Attack Graph" Development Trend	WANG Huimei, LIU Jian, XIAN Ming
13290	Thermal Modeling and Test Validation of SVOM satellite	Yang Gao, Xiaofeng Zhang, Xiangyu Chao
13291	Atypical White Matter Amplitude of Low Frequency Fluctuation in Autism – A Multivariate Pattern Analysis Study	Jinjin Long ¹ , Shanshan Yang ¹ , Rui Zhang ¹ , Bifang He ¹ , Heng Chen ^{1*} , Shaobing Ye ^{2*}
13293	Review on the Architectures and Applications of Deep Learning in Agriculture	Jun Liu, Lifeng Xu, Xiaobo Cao, Kuihua Zhang, Qiaoshou Zhang, Yukui Cai
13294	Control operation circuit system design and simulation based on Multisim 13.0	CHENG Yongmao, WEI Jiayu, LI Tianyu
13297	Dynamic Pseudo Labels Sampling for Semi-Supervised Person Re-Identification	Fang Guo ¹ Haojie Liu ¹ Daoxun Xia
13298	Analysis of the relationship between intestinal infectious diseases and socioeconomic factors based on machine learning model	Ke Yuan ^{1;2} , Yabing Huang ^{1;2} Qian Tang ^{3;4}
13299	AGOPredict: A Predictor for Identifying Argonaute Proteins	Shanshan Yang, Jinjin Long, Heng Chen, Bifang He
13300	Study on dynamic characteristics of a frictional and meshing V-belt drive based on finite element method	Aihua Ren, Lingsong Fan, Zhangdong sun, Mingyang zhang
13301	Effects of reducing blood sugar and preventing deafness prescription on SOD and MDA levels in mice with "fear of kidney injury" model	Ruiyu Li*, Yue Li
13302	The effect of reducing blood sugar and preventing deafness prescription on the level of sex hormone in the model mice of " Fear of kidney damage "	Yue Li, Ruiyu Li*
13304	Simulation Research on Micro Distribution Interconnection System Based on Long-scale Power Flow Calculation	REN Qi-wen ¹ LU Jing ¹ YIN Xiao-dong ¹ , LI Sen ² ZHOU Zhi-heng ² JING Bing ²
13305	Modeling Method Of Integrated Unmanned Warehouse System Based On Flexsim	Aiguo Li, Jiahao Fu
13308	Research on Sliding Mode Control Strategy of VIENNA Rectifier in Front Stage of High Stability Magnet Power Supply	Yiheng Sun, Ge Gao, Shusheng Wang
13309	Construction of source-charge probability distribution model for electric power field	Shaojie Qu ¹ , Xi Wang ² , Zhengyuan Li ¹ , Keding Qu ³ , Baoju Li ¹ , Shang Wang ¹ , Hai Cui ¹ , Tao Peng ¹
13310	A source load value matching method based on matching degree in different spatial and temporal scales	Yong Sun ¹ , Xi Wang ³ , Zhenyuan Li ¹ , Yuhang Qiu ² , Baoju Li ¹ , Shang Wang ² , Hai Cui ² , Tao Peng
13311	Fine Classification Methods for Multi-load users at Different Time Scales	Dexin Li ¹ , Shuxiu Liu ² , Yong Sun ³ , Yuhang Qiu ² , Chang Liu ¹ , Shang Wang ² , Hai Cui ² , Tao Peng ²

13313	Pyramid Fusion Convolutional Network for Image Super-Resolution	Xu He, Shiping Ma, Linyuan He, Le Ru
13316	Extraction of non-uniform reflected laser lines based on multi-channel region constraint method	Shiyang Li, Hanyu Hong, Jinmeng Wu, Yunfei Wang, Jian Huang, Pan Chen, Guangya Wang
13317	The Force Feedback and Master-Slave Teleoperation Robot for Live Working	Haoning Zhao ¹ , Zhenxue Chen ¹ , Yanchun Du ² , Xuewen Rong ^{1*} , Lecheng Yang ¹ , Qixun Yang
13318	DSP Fast Processing Technology Based on BP Algorithm	Fanchen Meng, Tianxu Zhang
13320	An Improved TurboEdit Cycle-Slip Detection Method for Ground-based High-precision Local Positioning System	Tianze Zhao, Changgeng Li, Xiye Guo
13324	Non-uniform Strong Noise Removal Method of Non-cooperative Mine Target Image	Shikang Wu ^{1, 2, *} , Yu Shi ^{1, 2} , Jinmeng Wu ^{1, 2}
13326	A novel whale optimization algorithm and its application in metallurgical process	Liu Yunlian, Wu Tiebin, Cai Xia, Li Bo
13327	Integrating Guided Anchoring into One-stage Object Detectors	Haojie Yu, Hai Zhao, Tianxiang Du
13330	A Moving Object Detection Method Based on 3D Convolution Neural Network	Linfei Ma, Taowei Li, Fei Xu, Kai Yan
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13346	Water Body Extraction of Hyperspectral Remote Sensing Image Based on Combining Residual U-Net and Conditional Random Field	Ming Xue, Bo Wei*, Juan Li, Jingwen Li, Jianwu Jiang
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