

# **2020 IEEE International Conference on Power, Intelligent Computing and Systems (ICPICS 2020)**

**July 28-30, 2020**

**Shenyang, China**

**[www.icpics.org](http://www.icpics.org)**

## **CONFERENCE PROGRAM**

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## Program

July 28	10:00-17:00	Registration
Poster Presentation Session		
July 29-30	08:00-18:00	Poster Session I, II, III, IV <a href="http://icpics.org/Poster.html">http://icpics.org/Poster.html</a>
Poster Session I	CS517, CS518, CS522, CS531, CS534 CS540, CS541, CS551, CS552, CS555 CS560, CS563, CS565, CS567, CS572	
Poster Session II	CS575, CS579, CS580, CS591, CS592 CS607, CS611, CS623, CS631, CS639 CS644, CS650, CS659, CS666, CS676	
Poster Session III	CS679, CS680, CS683, CS694, CS698 CS701, CS706, CS714, CS719, CS729 CS739, CS749, CS751, CS754, CS758	
Poster Session IV	CS775, CS779, CS790, CS801, CS807 CS811, CS816, CS821, CS836, CS849 CS854, CS865, CS883, CS891	
Oral Presentation Session		
July 29	8:00-12:00	Session A, Session B, Session C
	14:00-18:00	Session D, Session E, Session F
July 30	08:00-12:00	Session G, Session H, Session I
	14:00-18:00	Session J, Session K, Session L
Session A	CS501, CS502, CS503, CS505, CS508 CS510, CS513, CS515, CS524, CS526 CS527, CS528, CS536, CS539, CS545	
Session B	CS546, CS550, CS553, CS557, CS558 CS561, CS566, CS569, CS570, CS573 CS578, CS583, CS584, CS585, CS588	

Session C	CS589, CS594, CS597, CS599, CS600 CS602, CS603, CS605, CS606, CS609 CS610, CS613, CS614, CS615, CS618
Session D	CS619, CS622, CS625, CS627, CS628 CS634, CS635, CS638, CS641, CS642 CS645, CS647, CS651, CS653, CS654
Session E	CS656, CS657, CS660, CS661, CS662 CS664, CS667, CS668, CS669, CS670 CS673, CS674, CS678, CS682, CS689
Session F	CS692, CS695, CS699, CS700, CS705 CS708, CS709, CS711, CS712, CS715 CS718, CS720, CS721, CS724, CS725
Session G	CS727, CS730, CS736, CS740, CS742 CS744, CS745, CS747, CS750, CS753 CS757, CS760, CS762, CS765, CS766
Session H	CS768, CS769, CS771, CS772, CS777 CS780, CS781, CS783, CS785, CS788 CS791, CS792, CS794, CS796, CS798
Session I	CS799, CS800, CS803, CS804, CS806 CS808, CS810, CS812, CS815, CS818 CS819, CS822, CS823, CS826, CS828
Session J	CS829, CS830, CS831, CS833, CS835 CS837, CS839, CS840, CS843, CS845 CS846, CS852, CS853, CS856, CS858
Session K	CS860, CS861, CS862, CS866, CS869 CS870, CS873, CS874, CS877, CS878 CS880, CS881, CS885, CS886, CS892
Session L	CS894, CS904, CS905, CS908, CS909 CS910, CS912, CS915, CS918, CS919 CS920, CS922

## Join the conferences

<p><b>ICPICS 邀请您参加腾讯会议</b>  <b>会议主题: ICPICS Session A</b>  <b>会议时间: 2020/7/29 08:00-12:00</b>          点击链接入会, 或添加至会议列表:  <a href="https://meeting.tencent.com/s/I0xbGAp9zg1d">https://meeting.tencent.com/s/I0xbGAp9zg1d</a>  <b>会议 ID: 926 202 087</b>          手机一键拨号入会          +8675536550000,,926202087# (中国大陆)          +85230018898,,,2,926202087# (中国香港)          根据您的位置拨号          +8675536550000 (中国大陆)          +85230018898 (中国香港)</p>	<p><b>ICPICS sincerely invites you to participate in Tencent Conference</b>  <b>Conference Theme: ICPICS Session A</b>  <b>Conference Date: 2020/7/29 08:00-12:00</b>          Click the link to attend conference, or add to your conference list:  <a href="https://meeting.tencent.com/s/I0xbGAp9zg1d">https://meeting.tencent.com/s/I0xbGAp9zg1d</a>  <b>Conference ID: 926 202 087</b>          Dial the number below to attend conference          +8675536550000,,926202087# (Mainland China)          +85230018898,,,2,926202087# (HongKong, China)          Dial the number based on your region          +8675536550000 (Mainland China)          +85230018898 (HongKong, China)</p>
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<p><b>ICPICS 邀请您参加腾讯会议</b>  <b>会议主题: ICPICS Session C</b>  <b>会议时间: 2020/7/29 08:00-12:00</b>          点击链接入会, 或添加至会议列表:  <a href="https://meeting.tencent.com/s/WiNSqM9QqQ9g">https://meeting.tencent.com/s/WiNSqM9QqQ9g</a>  <b>会议 ID: 193 234 292</b>          手机一键拨号入会          +8675536550000,,193234292# (中国大陆)          +85230018898,,,2,193234292# (中国香港)          根据您的位置拨号          +8675536550000 (中国大陆)          +85230018898 (中国香港)</p>	<p><b>ICPICS sincerely invites you to participate in Tencent Conference</b>  <b>Conference Theme: ICPICS Session C</b>  <b>Conference Date: 2020/7/29 08:00-12:00</b>          Click the link to attend conference, or add to your conference list:  <a href="https://meeting.tencent.com/s/WiNSqM9QqQ9g">https://meeting.tencent.com/s/WiNSqM9QqQ9g</a>  <b>Conference ID: 193 234 292</b>          Dial the number below to attend conference          +8675536550000,,193234292# (Mainland China)          +85230018898,,,2,193234292# (HongKong, China)          Dial the number based on your region          +8675536550000 (Mainland China)          +85230018898 (HongKong, China)</p>

<p><b>ICPICS 邀请您参加腾讯会议</b>  <b>会议主题: ICPICS Session D</b>  <b>会议时间: 2020/7/29 14:00-18:00</b>  <b>点击链接入会, 或添加至会议列表:</b>  <a href="https://meeting.tencent.com/s/1cf7wAKhQwmv">https://meeting.tencent.com/s/1cf7wAKhQwmv</a>  <b>会议 ID: 139 587 655</b>  <b>手机一键拨号入会</b>  <b>+8675536550000,,139587655# (中国大陆)</b>  <b>+85230018898,,,2,139587655# (中国香港)</b>  <b>根据您的位置拨号</b>  <b>+8675536550000 (中国大陆)</b>  <b>+85230018898 (中国香港)</b></p>	<p><b>ICPICS sincerely invites you to participate in Tencent Conference</b>  <b>Conference Theme: ICPICS Session D</b>  <b>Conference Date: 2020/7/29 14:00-18:00</b>  <b>Click the link to attend conference, or add to your conference list:</b>  <a href="https://meeting.tencent.com/s/1cf7wAKhQwmv">https://meeting.tencent.com/s/1cf7wAKhQwmv</a>  <b>Conference ID: 139 587 655</b>  <b>Dial the number below to attend conference</b>  <b>+8675536550000,,139587655# (Mainland China)</b>  <b>+85230018898,,,2,139587655# (HongKong, China)</b>  <b>Dial the number based on your region</b>  <b>+8675536550000 (Mainland China)</b>  <b>+85230018898 (HongKong, China)</b></p>
<p><b>ICPICS 邀请您参加腾讯会议</b>  <b>会议主题: ICPICS Session E</b>  <b>会议时间: 2020/7/29 14:00-18:00</b>  <b>点击链接入会, 或添加至会议列表:</b>  <a href="https://meeting.tencent.com/s/QZ4dwZzhssHY">https://meeting.tencent.com/s/QZ4dwZzhssHY</a>  <b>会议 ID: 517 110 674</b>  <b>手机一键拨号入会</b>  <b>+8675536550000,,517110674# (中国大陆)</b>  <b>+85230018898,,,2,517110674# (中国香港)</b>  <b>根据您的位置拨号</b>  <b>+8675536550000 (中国大陆)</b>  <b>+85230018898 (中国香港)</b></p>	<p><b>ICPICS sincerely invites you to participate in Tencent Conference</b>  <b>Conference Theme: ICPICS Session E</b>  <b>Conference Date: 2020/7/29 14:00-18:00</b>  <b>Click the link to attend conference, or add to your conference list:</b>  <a href="https://meeting.tencent.com/s/QZ4dwZzhssHY">https://meeting.tencent.com/s/QZ4dwZzhssHY</a>  <b>Conference ID: 517 110 674</b>  <b>Dial the number below to attend conference</b>  <b>+8675536550000,,517110674# (Mainland China)</b>  <b>+85230018898,,,2,517110674# (HongKong, China)</b>  <b>Dial the number based on your region</b>  <b>+8675536550000 (Mainland China)</b>  <b>+85230018898 (HongKong, China)</b></p>
<p><b>ICPICS 邀请您参加腾讯会议</b>  <b>会议主题: ICPICS Session F</b>  <b>会议时间: 2020/7/29 14:00-18:00</b>  <b>点击链接入会, 或添加至会议列表:</b>  <a href="https://meeting.tencent.com/s/TQA421GBA3uC">https://meeting.tencent.com/s/TQA421GBA3uC</a>  <b>会议 ID: 406 896 706</b>  <b>手机一键拨号入会</b>  <b>+8675536550000,,406896706# (中国大陆)</b>  <b>+85230018898,,,2,406896706# (中国香港)</b>  <b>根据您的位置拨号</b>  <b>+8675536550000 (中国大陆)</b>  <b>+85230018898 (中国香港)</b></p>	<p><b>ICPICS sincerely invites you to participate in Tencent Conference</b>  <b>Conference Theme: ICPICS Session F</b>  <b>Conference Date: 2020/7/29 14:00-18:00</b>  <b>Click the link to attend conference, or add to your conference list:</b>  <a href="https://meeting.tencent.com/s/TQA421GBA3uC">https://meeting.tencent.com/s/TQA421GBA3uC</a>  <b>Conference ID: 406 896 706</b>  <b>Dial the number below to attend conference</b>  <b>+8675536550000,,406896706# (Mainland China)</b>  <b>+85230018898,,,2,406896706# (HongKong, China)</b>  <b>Dial the number based on your region</b>  <b>+8675536550000 (Mainland China)</b>  <b>+85230018898 (HongKong, China)</b></p>

<p><b>ICPICS 邀请您参加腾讯会议</b>  <b>会议主题: ICPICS Session G</b>  <b>会议时间: 2020/7/30 08:00-12:00</b>  <b>点击链接入会, 或添加至会议列表:</b>  <a href="https://meeting.tencent.com/s/YOaWGpwt45y3">https://meeting.tencent.com/s/YOaWGpwt45y3</a>  <b>会议 ID: 864 169 941</b>  <b>手机一键拨号入会</b>  <b>+8675536550000,,864169941# (中国大陆)</b>  <b>+85230018898,,,2,864169941# (中国香港)</b>  <b>根据您的位置拨号</b>  <b>+8675536550000 (中国大陆)</b>  <b>+85230018898 (中国香港)</b></p>	<p><b>ICPICS sincerely invites you to participate in Tencent Conference</b>  <b>Conference Theme: ICPICS Session G</b>  <b>Conference Date: 2020/7/30 08:00-12:00</b>  <b>Click the link to attend conference, or add to your conference list:</b>  <a href="https://meeting.tencent.com/s/YOaWGpwt45y3">https://meeting.tencent.com/s/YOaWGpwt45y3</a>  <b>Conference ID: 864 169 941</b>  <b>Dial the number below to attend conference</b>  <b>+8675536550000,,864169941# (Mainland China)</b>  <b>+85230018898,,,2,864169941# (HongKong, China)</b>  <b>Dial the number based on your region</b>  <b>+8675536550000 (Mainland China)</b>  <b>+85230018898 (HongKong, China)</b></p>
<p><b>ICPICS 邀请您参加腾讯会议</b>  <b>会议主题: ICPICS Session H</b>  <b>会议时间: 2020/7/30 08:00-12:00</b>  <b>点击链接入会, 或添加至会议列表:</b>  <a href="https://meeting.tencent.com/s/jDnQtylNYMly">https://meeting.tencent.com/s/jDnQtylNYMly</a>  <b>会议 ID: 172 263 069</b>  <b>手机一键拨号入会</b>  <b>+8675536550000,,172263069# (中国大陆)</b>  <b>+85230018898,,,2,172263069# (中国香港)</b>  <b>根据您的位置拨号</b>  <b>+8675536550000 (中国大陆)</b>  <b>+85230018898 (中国香港)</b></p>	<p><b>ICPICS sincerely invites you to participate in Tencent Conference</b>  <b>Conference Theme: ICPICS Session H</b>  <b>Conference Date: 2020/7/30 08:00-12:00</b>  <b>Click the link to attend conference, or add to your conference list:</b>  <a href="https://meeting.tencent.com/s/jDnQtylNYMly">https://meeting.tencent.com/s/jDnQtylNYMly</a>  <b>Conference ID: 172 263 069</b>  <b>Dial the number below to attend conference</b>  <b>+8675536550000,,172263069# (Mainland China)</b>  <b>+85230018898,,,2,172263069# (HongKong, China)</b>  <b>Dial the number based on your region</b>  <b>+8675536550000 (Mainland China)</b>  <b>+85230018898 (HongKong, China)</b></p>
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## Poster Session I

CS517	<b>Research on Intensive Care Technique for Partial Discharge in High Voltage Cable</b>
	<i>Jiaxin Liu, Defu Wei, Zhenwei Zhao, Guanhua Li</i>
CS518	<b>Performance Analysis of Everton Football Club Based on Tracking Data</b>
	<i>Yikang Wang, Hao Wang, Mingyue Qiu</i>
CS522	<b>Analysis of Temperature Field for Ultra High Voltage Transformer Bushings</b>
	<i>Zhaoliang Gu, Mengzhao Zhu, Wenbing Zhu, Jiabin Zhou, Qingdong Zhu, Jian Wang</i>
CS531	<b>The study of dynamics modeling and composite control for large load robot</b>
	<i>Fuli Zhang, Zhaohui Yuan, Sheng Dong</i>
CS534	<b>I/O Performance Optimization Analysis of Container on Cloud Platform</b>
	<i>Cao Jiqing</i>
CS540	<b>Research on Dynamic Simulation System of Multidimensional Reservoirs</b>
	<i>Rui Huang, Ruihe Wang, Xiaohan Jin, Changhai Yu, Zengfei Wang, Heyu Wu</i>
CS541	<b>Research on Resource Management System of Multidimensional Reservoir Simulation</b>
	<i>Ruihe Wang, Rui Huang, Changhai Yu, Xiaohan Jin, Changjie Zhao, Musen Zhang</i>
CS551	<b>Power Wireless Heterogeneous Network Management System based on Big Data Technology</b>
	<i>Chen Shuiyao, Qiu Lanxin, Shao Weiping, Lu Tao</i>
CS552	<b>Research on Ground Fault Monitoring Method for High Voltage Line Based on Phase Difference Method</b>
	<i>Jiang Yijun, Lv Jun, Wang Liqun</i>
CS555	<b>Design of Distributed Factory Fire Alarm System</b>
	<i>Mingyu Song, Wuxing Li, Xiaomin Zhang, Li Liu, Yanke Ci, Xushan Peng, Yongping Li, Haosong Chen</i>
CS560	<b>Identification for Property of Luochong Kiln Based on Frequency-tree</b>
	<i>Tiejun Zhu, Yong Wan</i>
CS563	<b>Trusted Connect Technology of Bioinformatics Authentication Cloud Platform Based on Point Set Topology Transformation Theory</b>
	<i>Linge Wang</i>
CS565	<b>Phenomenological Layer Structure of an Intelligent Agent for IoT</b>
	<i>Francesco Rago</i>
CS567	<b>Research on Virtual Wind Instrument and Performance System Based on Dual Computer Communication</b>
	<i>Sheng Hu, Cheng Du, Junweri Song, Chen Tong, Zhigang Yuan</i>
CS572	<b>Research and Analysis on Key Technologies of Cloud Computing Platform Based on IPv6</b>
	<i>Lin Lin</i>



## Poster Session II

CS575	<b>Research on Urban Traffic Governance and Optimizing Strategy Based on Big Data</b>
	<i>Baohua Qi</i>
CS579	<b>Research on Intelligent Volume Algorithm Based on Improved Genetic Annealing Algorithm</b>
	<i>Tianci Li, Guangbo Lei, Fang Wan, Yating Shu</i>
CS580	<b>Research on Binocular Forest Fire Source Location and Ranging System</b>
	<i>Zhang Yaping, Shao Zhihang</i>
CS591	<b>Computer Simulation of Maize Yield by Fisher Integral Model Based on Meteorological Factors</b>
	<i>Shanshan Seng, Yongen Zhang, Wen Yu, Shiwei Xu</i>
CS592	<b>Application of Optimization Method and Least Square Method in Reliability Analysis of Bearing Roller</b>
	<i>Yan Li, Xintao Xia</i>
CS607	<b>Research on the method of ship sway isolation for the antenna of shipborne TT&amp;C radar</b>
	<i>Ru Hailong, Yan Zuoyin</i>
CS611	<b>New Technology Architecture and Research Hotspot of Blockchain in 2020</b>
	<i>Bowei Mou, Fuyan Liu</i>
CS623	<b>Video object detection based on the spatial-temporal convolution feature memory model</b>
	<i>Wenjun Dai, Tianqing Chang, Libin Guo</i>
CS631	<b>Analysis of Single Demodulation of Composite Continuous Wave Signal Modulated by Pseudorandom Code Family</b>
	<i>Xiaofang Shao, Jianqiang Hou</i>
CS639	<b>Improved Signal Demodulation and Detection Algorithm for Parallel Receiver</b>
	<i>Hailiang Feng, Feng Zou, Zhanxin Yang, Yuanjia Gong</i>
CS644	<b>Comparative Study on the Mosaic Methods of AW3D30 v2.2 and ASTER GDEM v3</b>
	<i>Pengcheng Guo, Shangmin Zhao, Zhuojian Li</i>
CS650	<b>Simulation of a Non-Uniform Electric Field with a Novel Electrodes Configuration of an Electrorheological Valve for High Shear Rates Load</b>
	<i>Dou Shilei, Huang Jingyu, Xu Luning, and Han Li</i>
CS659	<b>Research on a Radar Interference Assessment Method</b>
	<i>Song Yuzhen, Liu Lian</i>
CS666	<b>Design and Implementation of a Foot-Controlled Robot Arm System</b>
	<i>Xiaohu Mu</i>
CS676	<b>SDN-based multi-controller optimization deployment strategy for satellite network</b>
	<i>Debin Wei, Ning Wei, Li Yang, Zhixiang Kong</i>

### Poster Session III

CS679	<b>Design of Cross-border Network Crime Detection System Based on PSE and Big Data Analysis</b>
	<i>Xingchen Yu</i>
CS680	<b>Application and Research of Modular Dynamic Graphic Design Technology in Practice</b>
	<i>Yu Ying, Di Miaosen</i>
CS683	<b>Selection and analysis of slot number of stator and rotor for small five phase squirrel cage induction motor</b>
	<i>Yiyong Xiong, Jinghong Zhao, and Xiaohu Liu</i>
CS694	<b>Method for Realizing Structured Process through Secondary Development of Teamcenter System</b>
	<i>Yize Liu, Xianghui Zhan, and Xiaoda Li</i>
CS698	<b>Research on Key Technology of Resource Scheduling Based on Trust in Virtual Computing Environment</b>
	<i>Li Kai, Ni Jiati, An Wenyan, Mier Alimujiang, Shi Haohan</i>
CS701	<b>Research on the Evaluation Index System of Sports Enterprise Informationization</b>
	<i>Dong Jinguo</i>
CS706	<b>Embedded Design of Human Motion Physiological Parameter Collector</b>
	<i>Zhao Meihuan</i>
CS714	<b>Selection of Optimal Packaging Methods for Different Food Based on Big Data Analysis</b>
	<i>Tian Wei, Song Xiangbo</i>
CS719	<b>An Automatic Shadow Generation Algorithm in Two-dimensional Animation Production</b>
	<i>Liu Yimin, Zhong Shiquan</i>
CS729	<b>Design and Implementation of a UE4 Based Virtual Home Improvement Interactive Simulation Application</b>
	<i>Yutian Shi, Mingzhi Cheng, Luyue Zhang, Hao Li, Yatian Xue</i>
CS739	<b>Homomorphism of Lattice-valued Fuzzy Finite Automata</b>
	<i>Hu Zhonggang</i>
CS749	<b>Research on four problems in the scenario specification of intelligent combat simulation</b>
	<i>Qingjun Qu, Yaqi Wang, Yiping Yao, Shidong Qiao</i>
CS751	<b>Image Noise Level Classification Technique Based on Image Quality Assessment</b>
	<i>Luo Geng, Zhao Zicheng, Long Qian, Lv Chun, Bao Jie</i>
CS754	<b>GNP: A Global-Sensitive Mechanism for Near-Data Processing</b>
	<i>Xianfeng Li, Juanjuan Zhao</i>
CS758	<b>Abnormal Test Data Diagnosis and Prognosis Based on Least Squares Support Vector Machine</b>
	<i>Han Huilian, Cui Zhaojing</i>

## Poster Session IV

CS775	<b>A Fast Pointing Error Analysis System for Photoelectric Detection Mechanisms</b>
	<i>Jing Zhou, Huajie Hong, Dapeng Fan</i>
CS779	<b>Multi-Streams Network for Action Recognition</b>
	<i>Su Chang, Zhang Jian</i>
CS790	<b>A Control Strategy of Microgrid-Connected System Based on VSG</b>
	<i>Xiaojing Liu, Renxi Gong</i>
CS801	<b>Indoor Positioning Optimization Based on Genetic Algorithm and RBF Neural Network</b>
	<i>Hua Guo, Mengqi Li</i>
CS807	<b>Change Monitoring of Urban Typical Facilities for Remote Sensing Images Fusion</b>
	<i>Li Huafeng, Xu Guibin, Zang Yuwei, Xie Lianke, Bai Xiaochun, Wang Jie</i>
CS811	<b>Research on non-blocking communication of airport data based on dynamic thread pool</b>
	<i>Cunxi Chang, Guoqiang Wang, Wei Shi</i>
CS816	<b>Knowledge Extraction Experiment Based on Tourism Knowledge Graph Q &amp; A Data Set</b>
	<i>Xuchao Liang, Han Cao, Weizhen Zhang</i>
CS821	<b>Hyperspectral Image Classification Based on Broad Learning System with Composite Feature</b>
	<i>Peng Chen</i>
CS836	<b>Research on the Intelligent Identification Method of the Substation Equipment Faults Based on Deep Learning</b>
	<i>Wenle Song, Xiangyu Liu, Junlei Zhao, Menglin Wang, Yang Liu</i>
CS849	<b>Simulation and Analysis of Clustering Routing Protocol Based on Improved LEACH</b>
	<i>Minglan Yuan</i>
CS854	<b>Research on Embedded Intelligent Robot and Its Motion Control System</b>
	<i>Yufeng Liang</i>
CS865	<b>Research on Speed Control Strategy of Permanent Magnet Synchronous Motor Based on BP-SSO-PID Algorithm</b>
	<i>Mengqi Lei, Xiaoming Ren, Xun Fu</i>
CS883	<b>Research on English Text Information Filtering Algorithm Based on SVM</b>
	<i>Jing Ouyang</i>
CS891	<b>Coupling Integration and Evaluation of Centralized Energy Station and Distributed Energy Cascade Utilization System</b>
	<i>Tao Peng, Qifen Li, Yongwen Yang</i>

## Oral Session A

CS501	<b>Resistance Identification in HVAC Distribution Networks Based on Collective Intelligence System</b>
	<i>Li Li, Zhen Yu, Huai Li</i>
CS502	<b>Research on Operation Method of Intelligent Distribution Network Without Power Failure</b>
	<i>Jianjun Wang, Dailin Jiang, Yikai Wu, Liangren Shi</i>
CS503	<b>Secondary Radar Signal Processing Based on Deep Residual Separable Neural Network</b>
	<i>Xue Du, Kuo Liao, Xiaofeng Shen</i>
CS505	<b>Research of NILM in Offshore Oil Platform Power System</b>
	<i>Qingguang Yu, Zhicheng Jiang, Di Yang, Yuming Liu, Gaoxiang Long, Tingliang Zhang</i>
CS508	<b>A Survey of Research on Datacenters Using Energy Storage Devices to Participate in Smart Grid Demand Response</b>
	<i>Zhao Mengmeng, Wang Xiaoying</i>
CS510	<b>Hybrid Modular Multilevel Converter with Reduced Capacitor Voltage Fluctuation</b>
	<i>Siqi Li, Bo Zhang, Dongyuan Qiu, Yuan Chen, Runhong Huang, Wanyu Cao, Shukai Xu, Yan Li, Hong Rao, Licheng Li</i>
CS513	<b>Research of Virtual Synchronous Machine Control Strategy of Hybrid Renewable Energy in Microgrid</b>
	<i>Qingguang Yu, Zhicheng Jiang, Mengchu Zhao, Yuming Liu, Gaoxiang Long, Min Guo</i>
CS515	<b>Hybrid Modular Multilevel Converter with Reduced Number of Components</b>
	<i>Yuan Chen, Bo Zhang, Dongyuan Qiu, Siqi Li, Runhong Huang, Wanyu Cao, Shukai Xu, Yan Li, Hong Rao, Licheng Li</i>
CS524	<b>High Accuracy Drug-Target Protein Interaction Prediction Method based on DBN</b>
	<i>Wanrong Gu, Guohua Wang, Ziyue Zhang, Yijun Mao, Xianfen Xie, Yichen He</i>
CS526	<b>Multidimensional Design Ideas of Reducing Loss and Increasing Benefit Based on Ubiquitous Power Internet of Things</b>
	<i>Wang Jinliang, Liu Chaonan, Qin Jin, Wang Wenbo, Wang Jingfei, Liu Zishan</i>
CS527	<b>Research on On-line Monitoring Technology of Mechanical Characteristics of Ring Network Cabinet</b>
	<i>Guo Zhiwei, Wang Yu, Xu Zitao, Wang Fuwang</i>
CS528	<b>Research on Fault Detection for Ring Network Cabinet</b>
	<i>Guo Zhiwei, Wang Yu, Xu Zitao, Wang Fuwang</i>
CS536	<b>Learning Immersion Assessment Model Based on Multi-dimensional Physiological Characteristics</b>
	<i>Boxin Wan, Junqi Guo</i>
CS539	<b>Decision-Making Method for Preventive Maintenance of Medical X-Ray Equipment</b>
	<i>Mingxin Zhao, Haodong Duan, Kai Sun</i>
CS545	<b>GLAD: A Method of Microgrid Anomaly Detection Based on ESD in Smart Power Grid</b>
	<i>Qiyu Wei, Rui Ma, Yiqiu Wang, Mingyu Chen, Yanru Sun, Mingjie Liu, Xiaoyong Lin</i>

## Oral Session B

CS546	<b>Design and trajectory planning of blocking plate robot in steam generator</b>
	<i>Peng Junjie</i>
CS550	<b>Forest smoke detection based on deep learning and background modeling</b>
	<i>Guohua Wang, Juncong Li, Yongsen Zheng, Qi Long, Wanrong Gu</i>
CS553	<b>Intelligent computing methods used in acoustic emission and magnetic flux leakage detection of tank bottom</b>
	<i>Yongtao Zhao, Zhuang Wu, Dong Li, Yuhan Zhang, Guowei Guan</i>
CS557	<b>Design of Distributed Plant Temperature and Humidity Monitoring System</b>
	<i>Jingda Ying, Xiaomin Zhang, Yibin Pan, Li Liu, Yanke Ci, Xushan Peng, Yongping Li, Haosong Chen</i>
CS558	<b>A Method of Predicting Crime of Theft Based on Bagging Ensemble Feature Selection</b>
	<i>Tuo Shi</i>
CS561	<b>Reducing Perturbation of Adversarial Examples via Projected Optimization Method</b>
	<i>Jiaqi Zhou, Kunqing Wang, Wencong Han, Kai Yang, Hongwei Jiang, Quanxin Zhang</i>
CS566	<b>Design and Application of a Production Accident Early Warning and Analysis System</b>
	<i>Qiaoshun Wu, Kun Pi, Qigen Liang, Haibo Peng</i>
CS569	<b>Design and Implementation of Firmware Data Acquisition System Based on Scrapy Framework</b>
	<i>Xiaowei Han, Likun Zheng</i>
CS570	<b>Comparative Study on Numerical Simulation and Monitoring Data of Bridge Construction Monitoring Phase</b>
	<i>Lu Peng, Zhu Luo, Na Miao, Genqiang Jing, Yixu Wang, Jing Zhu</i>
CS573	<b>Research and Development of Innovation and Entrepreneurship Project Analysis System Based on Big Data</b>
	<i>Haimei Liu</i>
CS578	<b>De-noising Method of Joint Empirical Mode Decomposition and Principal Component Analysis</b>
	<i>Chun Wu, Li Huang, Wenbo Wang</i>
CS583	<b>The Design of the Assistant System for College Students</b>
	<i>Tianci Li, Jinglu Li, Shanshan Yu, Kexin Hu</i>
CS584	<b>A Homomorphic Encryption Approach in a Voting System in a Distributed Architecture</b>
	<i>Segundo Moisés Toapanta Toapanta, Luis José Chávez Chalén, Javier Gonzalo Ortiz Rojas, Luis Enrique Mafla Gallegos</i>
CS585	<b>Ensuring the Blind Signature for the Electoral System in a Distributed Environment</b>
	<i>Segundo Moisés Toapanta Toapanta, Darío Fernando Huilcapi Subia, Milton Andrés Cepeda Aveiga, Luis Enrique Mafla Gallegos</i>
CS588	<b>A Deep Autoencoder Based Outlier Detection for Time Series</b>
	<i>Jin Wang, Fang Miao, Lei You, Wenjie Fan</i>

## Oral Session C

CS589	<b>A Design of Mobile Partition Piles System in Urban Road</b>
	<i>Hang Yuan, Shangshang Nie, Fahai Zhong, Ronghui Luo</i>
CS594	<b>Algorithm of Maintenance Time and Maintenance Amount Based on Maintenance Degree</b>
	<i>Xiaobo Su, Qi Gao, Weining Ma, Yukun Chen</i>
CS597	<b>Inventory Optimization Models of Equipment Spare Parts Based on Computer Simulation</b>
	<i>Wang Lihui, Tan Liwei, Liu Shenyang, Liu Yan</i>
CS599	<b>Application research and improvement of particle swarm optimization algorithm</b>
	<i>Ligang Cai, Yuqing Hou, Yongsheng Zhao, and Jianhua Wang</i>
CS600	<b>Intelligent Counting System for Classroom Numbers Based on Video Surveillance</b>
	<i>Mingxi Liu, Xinze Zhang, Yiran Han</i>
CS602	<b>Perceptual model for compliance in interaction with compliant objects with rigid surface</b>
	<i>Zhiyu Shao, Zhiyong Cao, Cong He, Qiangqiang Ouyang, Juan Wu</i>
CS603	<b>Vehicle detection in thermal images with an improved yolov3-tiny</b>
	<i>Jing Gong, Jianhui Zhao, Fan Li, He Zhang</i>
CS605	<b>Application of Passive DNS in Cyber Security</b>
	<i>Guo Xuanzhen, Pan Zulie, Chen Yuanchao</i>
CS606	<b>Research on the design method of servo position loop parameters of shipborne TT&amp;C radar</b>
	<i>Ru Hailong</i>
CS609	<b>Short-term Forecast of Passengers Volume at Guangzhou Baiyun International Airport Based on ARIMA-LSSVM-DACPSO Model</b>
	<i>Yingying Wei, Shuaiying Wei</i>
CS610	<b>UAV security situation awareness method based on semantic analysis</b>
	<i>Xijun Gao, Hongxia Jia, Zili Chen, Guogang Yuan, Sen Yang</i>
CS613	<b>Question-Answering using Keyword Entries in the Oil&amp;Gas Domain</b>
	<i>Lin Xia, Wu Boyu, Liu Lixia, Lu Ruidi</i>
CS614	<b>D-FCOS: Traffic Signs Detection and Recognition Based on Semantic Segmentation</b>
	<i>Fusheng Zhang, Yong Zeng</i>
CS615	<b>Semantic Information Detection of Webpage Based on Word Vector and Infomap</b>
	<i>Yuqian Wang, Jianyou Lv</i>
CS618	<b>On the Sum-Rate Capacity of the Gaussian Partially Cognitive Radio Channel with Mixed Interference</b>
	<i>Peng Zou, Jiaru Lin</i>

## Oral Session D

CS619	<b>Smart Printer: Design of Intelligent Portable Automatic Printer</b>
	<i>Dong Xie, Yihan Gong, Zhen Zhang</i>
CS622	<b>Realization of Vehicle Classification System Based on Deep Learning</b>
	<i>Yanhong Yang</i>
CS625	<b>Research on dynamic load balancing of data center network based on openflow technology</b>
	<i>Haiyang Chen, Jun Yu, Hengmao Pang, Lin Wang, Mingjie Xu, Zhu Mei, Lin Qian</i>
CS627	<b>Obfs4 Traffic Identification Based on Multiple-feature Fusion</b>
	<i>Di Liang, Yongzhong He</i>
CS628	<b>Detection of Sybil Attack on Tor Resource Distribution</b>
	<i>Kunjie Ge, Yongzhong He</i>
CS634	<b>Maneuvering SAR Imaging Algorithms</b>
	<i>Jiasen Li, Jianqiang Hou</i>
CS635	<b>Study on CO concentration measurement of TDLAS based on baseline nonlinear improvement</b>
	<i>Shangwei Hu, Xiaobo Tu, Shuang Chen, Furong Yang</i>
CS638	<b>Research on private cloud platform for virtual resource adaptation</b>
	<i>Mingjie Xu, Jun Yu, Lin Wang, Haiyang Chen, Zhu Mei, Hengmao Pang, Lin Qian</i>
CS641	<b>Flexible and compact EBG structure design for Multi-band applications</b>
	<i>Wang Weijiang</i>
CS642	<b>Living Range Trends and Fishery Policies for Herring and Mackerel in Scotland Based on Computer Modeling and Analysis</b>
	<i>Hengyi Yang, Mengnan Hou, Aoran Cui, Kexun Cai</i>
CS645	<b>Text Sentiment Analysis Based on Amazon Product Evaluation</b>
	<i>Junjie Zhao, Yuepeng Xin, Yao Tong, Shilu Lu, Silin Li, Chaochao Ru</i>
CS647	<b>Underactuator configuration and manipulating strategy of a novel flexible arm for precision sprinkler irrigation</b>
	<i>Li Yang, Zhanyong Wei, Baoping Han, and Yan Yang</i>
CS651	<b>Modeling of Refreshing Rate and its Parametric Analysis of a Multi-lines Braille Display using Electrorheological Valves Matrix</b>
	<i>Huang Jingyu, Dou Shilei, Xu Luning, and Han Li</i>
CS653	<b>Event Recognition in Chinese Emergencies Corpus Using ALBERT-BiLSTM-CRF</b>
	<i>Wang Bo, Wei Wei, Wu Yang, Wang Xuefeng, Liu Caiwei</i>
CS654	<b>Virtual Instrument Technology for Elevator Safety Monitoring and Alarm System</b>
	<i>Peng Liao, Junzhen Zhou, and Peiyi Zhu</i>

## Oral Session E

CS656	<b>Research on Application of Internet of Things Information Security Using Blockchain Technology</b>
	<i>Zhiwei Jin, Zhou Jian</i>
CS657	<b>Research on Application of Computer Image Processing in Web Design</b>
	<i>Yi Zheng, Haiqing Li, Aiqun Ren</i>
CS660	<b>Pedestrian detection using quaternion histograms of oriented gradients</b>
	<i>Guoyun Lian</i>
CS661	<b>Integrated Intelligent Drowsiness Detection System Based on Deep Learning</b>
	<i>Jiayi Lin</i>
CS662	<b>Floor Climbing Cleaning Robot Based on Slide Rail Lifting Structure</b>
	<i>Beiquan Fan</i>
CS664	<b>An All-terrain Vehicle for Post-disaster Search and Rescue</b>
	<i>Ruichen Li</i>
CS667	<b>Research on Intelligent Lighting System of Concentrator Based on NRF24L01P</b>
	<i>Tianze Lan, Yihui Qing, Shuqing Wang</i>
CS668	<b>Finite-time stabilization of stochastic neural networks with time-varying delay via impulsive control</b>
	<i>Tao Chen, Shiguo Peng, Zhenhua Zhang</i>
CS669	<b>Design and Implementation of Distributed Fault-tolerant Computer Communication Software of Deterministic Communication Based on TTE</b>
	<i>Yong Guo, Shuai Lu, Xiaodi Dai, Haijun Duan</i>
CS670	<b>Design of Space-borne Broadband VHF/UHF Beacon Antenna</b>
	<i>Xinfei Liu, Yuxi Liu, and Yan Qiu</i>
CS673	<b>Study on the Impact of Big Data Technology on the Audit and its Application</b>
	<i>Zhang Xing, Sun Yuan, Chen Xiongzhi</i>
CS674	<b>Application of Photoshop Technology Based on Computer Graphic Design Software</b>
	<i>Tianshuang Zhang, Yue Chang</i>
CS678	<b>Key Matrix Design Based on OLED Display Technology</b>
	<i>Fanchang Zeng</i>
CS682	<b>Research on Collection and Preprocessing of Multi-source Heterogeneous Elevator Data</b>
	<i>Chen Wang, Shuangchang Feng</i>
CS689	<b>Multi-Scale Region-based Fully Convolutional Networks</b>
	<i>Chengqi Xu, Xuehai Hong, Yuanzhou Yao, Hengheng Shen, Qian Ma, and Hui Jiang</i>



## Oral Session F

CS692	<b>Optimization Design and Horizontal Stiffness Analysis of Three-wire Pendulum Mechanism of Air Spring Vibration Isolator</b>
	<i>Chengyao Liu, Wanguo Li, Shicheng Zheng, Jiaming Chen</i>
CS695	<b>Application of Wireless Sensor Network in Automatic Detection of Spray Disinfection in Pig Epidemic Environment</b>
	<i>Juan Zhang</i>
CS699	<b>Research on Spatial Database Technology Based on Arcsde</b>
	<i>Li Kai, Zhou Wenting, Wang Tianjun, He Wei, Shi Haohan</i>
CS700	<b>The Theoretical Construction and Application System Development Study of Sports Information Management</b>
	<i>Dong Jinguo</i>
CS705	<b>Research and Application of Jiugu Coal Industry Drilling Video Network System</b>
	<i>Qi Yunrui</i>
CS708	<b>The Cross-border C2B Development Study Based on the Information Cost Theory</b>
	<i>Huo Yuanyuan</i>
CS709	<b>Design of Cultural Creative Product Interaction System Based on VR</b>
	<i>Chen Zhigang, Zhou Juelu</i>
CS711	<b>Research on Integration and Sharing System of Network Movie and TV Data Resources under New Media Environment</b>
	<i>Fu Yijun, Li Chengjia</i>
CS712	<b>Research on Multidimensional User Experience Evaluation Model Based on Principal Component Analysis</b>
	<i>Song Xiangbo, Tian Wei</i>
CS715	<b>Design of Interactive Experience Platform for Cultural and Creative Products from Multiple Perspectives</b>
	<i>Wang Tingting, Chen Zhigang</i>
CS718	<b>Design of Virtual Tourism System Based on Characteristics of Cultural Tourism Resource Development</b>
	<i>Zhou Juelu, Wang Tingting</i>
CS720	<b>Motion Behavior Feature Segmentation Based on Intelligent Vision</b>
	<i>Zhao Meihuan</i>
CS721	<b>Analysis of Intelligent Manufacturing System Constructed by the Army and the People in Internet Era</b>
	<i>Huo Guangyao, Zhang Xiang, Xing Lei</i>
CS724	<b>Detection of the Rail Profile Wear Based on Image Processing</b>
	<i>Jie Li, Bowen Ma, Huajun Dong</i>
CS725	<b>A Watermarking Algorithm for Cloud Database Based on Chaos Cryptography</b>
	<i>Haiting Cui</i>

## Oral Session G

CS727	<b>Hierarchical Cluster and Multidimensional Scaling Analysis of Video Websites Based on URL Co-occurrence</b>
	<i>Yonghe Lu, Yongshan Chen</i>
CS730	<b>Design and Implementation of Meteorological Equipment Management System</b>
	<i>Jing Chen</i>
CS736	<b>Forensic Analyses Based on Predictive Coding</b>
	<i>Shuhi Hou, Shanshan Dong, Siuming Yiu, Tetsutaro Uehara</i>
CS740	<b>Dynamic Trust Model of ARP Real-Time Intrusion Detection Based on Extended Subjective Logic</b>
	<i>Miao Zengliang, Liu Guodong, Wang Hongyan, Wang Yong</i>
CS742	<b>The Model of Big Data Cloud Computing Based on Extended Subjective Logic</b>
	<i>Wang Hongyan, Wang Yong, Miao Zengliang, Zheng Enyu</i>
CS744	<b>Research on Flexible Manufacturing Technology of Spacecraft Testing System</b>
	<i>Feng Yang, Liang Ren, Yongcong He</i>
CS745	<b>Semi-linear Estimation for Differences between Datasets with Missing Data</b>
	<i>Hao Wu, Chen Cheng, Cuicui Li</i>
CS747	<b>Opening speed detection based on displacement sensor</b>
	<i>Xiaozhao Li, Kun Li, Yang Zhang</i>
CS750	<b>Joint 2-D Angle Estimation using TDOA in Distributed Multi-antenna System</b>
	<i>Yandu Liu, Yiwen Jiao, Hong Ma</i>
CS753	<b>Construction and Application of Knowledge Bases</b>
	<i>Yong Ren, Wenyu Zheng, Yan Ren</i>
CS757	<b>Deep Reinforcement Learning Based Spinal Code Transmission Strategy in Long Distance FSO Communication</b>
	<i>Jun Ao, Na Li, Chunbo Ma</i>
CS760	<b>Indirect Field Oriented Control Technology for Asynchronous Motor of Electric Vehicle</b>
	<i>Wang Qinglong, Yu Changzhou, Yang Shuying</i>
CS762	<b>Robust Fault-tolerant Control for Time-Varying Descriptor System</b>
	<i>Gang Wang, Xuxing Tang, Jun Zhou</i>
CS765	<b>Research on the industrialization mode development and case evaluation system of major scientific and technological achievements of power sensor</b>
	<i>Haiyun Yang, Shanzhe Shi, Shilin Li, Yuhui Liu, Yamin Liu</i>
CS766	<b>Research on key direction extraction technology of electric power achievement award</b>
	<i>Yamin Liu, Yuhui Liu, Shanzhe Shi, Haiyun Yang, Shilin Li</i>

## Oral Session H

CS768	<b>Establishment of path model of electric power scientific and technological achievements based on information collaborative decision</b>
	<i>Shilin Li, Yuhui Liu, Shanzhe Shi, Haiyun Yang, Yamin Liu</i>
CS769	<b>Effective Matrix-Vector Multiplication computations on account of Physically based Matrix Distribution</b>
	<i>Zhen Li, Hongmei Xu, Chen Su, Jianyong Dong, Xingang Wang</i>
CS771	<b>Research on Grey Clustering Weighting of Expert Group Based on Information Entropy</b>
	<i>Qian Wang, Xusheng Gan, Baoan Han, Guozhou Yang</i>
CS772	<b>Safety Evaluation of Training Airspace Environment Based on Wavelet Neural Network</b>
	<i>Haiqing Huang, Xusheng Gan, Baohua Han, Baoan Han</i>
CS777	<b>Simulation Research on the Characteristics of Supersonic Vacuum Arc</b>
	<i>Shibai Liu, Yuhao Wang, Congjun Xue, Liting Ma, Chuan Xiang</i>
CS780	<b>Research on Simplified Method of Combination Test Case Set for Basic Software System</b>
	<i>Wei Liu, Jing Xiong</i>
CS781	<b>Research on Container Security of PaaS</b>
	<i>Jing Zhong, Wei Liu</i>
CS783	<b>Phase synchrony and its application to lie detection</b>
	<i>Yijun Xiong, Lingyun Gu, Junfeng Gao</i>
CS785	<b>Vibration Analysis of Transporting Elderly Posture Behavior of Elderly-Assistant and Walking-Assistant Robot Considering Elderly Falling Angle</b>
	<i>Khaled Kadry Hamza, Xiaodong Zhang, Xiaoqi Mu, Odekhe Randolph Osivue</i>
CS788	<b>DoS attack detection model of smart grid based on machine learning method</b>
	<i>Wang Zhe, Cheng Wei, Li Chunlin</i>
CS791	<b>Design, simulation and experimentation of a biomimetic wall-climbing robot with tracked spines</b>
	<i>Jia Shi, Linsen Xu, Jinfu Liu, Gaoxin Cheng, Xingcan Liang, Lei Liu, Shouqi Chen, and Hong Xu</i>
CS792	<b>Construction of General Linear System and Associated Polynomial Bezout Matrix</b>
	<i>Huazhang Wu, Bing Li, and Mingda Xin</i>
CS794	<b>A Method of Capturing GPS Signal Loss Based on QAR Data</b>
	<i>Yang Jiao, Bin Li, Xiaoyue Zhang</i>
CS796	<b>Control of Single Phase LCL Photovoltaic Grid-Connected Inverter Based on State Observer</b>
	<i>Liuwen Qin</i>
CS798	<b>Improvement of Power Factor and its Multisim Simulation</b>
	<i>Yijun Fan, Miao Zhang, Jihong Li</i>

## Oral Session I

CS799	<b>The Circuit Design of Voltage-controlled Color Changing Lamp Based on Multisim</b>
	<i>Ying Chen, Miao Zhang, Jie Hao</i>
CS800	<b>Research on parking lot management system based on parking space navigation technology</b>
	<i>Ruixuan Chen, Xingyan Hu, Wei Mu</i>
CS803	<b>Design and Implementation of ECG Generation Software Based on Primary Medical Care</b>
	<i>Yang Yuanyuan, Shu Minglei</i>
CS804	<b>Fabric Defect Detection with Optimal Gabor Wavelet Based on Radon</b>
	<i>Li Yihong, Zhou Xiaoyi</i>
CS806	<b>Research on network advertisement precise delivery system based on big data technology</b>
	<i>Lai Jieyu</i>
CS808	<b>Fast Decryption Algorithm for Paillier Homomorphic Cryptosystem</b>
	<i>Taiwo Blessing Ogunseyi, Tang Bo</i>
CS810	<b>Computer simulation on field spatial distributions generated by an elliptic ring uniformly charged</b>
	<i>Ping Zhu</i>
CS812	<b>Secret Sharing Simultaneously in Internet of Things</b>
	<i>Jie Tang, Huanhuan Song, Aidong Xu, Yixing Jiang, Hong Wen, Yunan Zhang, Kaiyu Qin</i>
CS815	<b>Research on Convolutional Neural Network in the Field of Object Detection</b>
	<i>Bingzhen Li, Wenzhi Jiang, Jiaojiao Gu, Ke Liu, Yangyong Wu</i>
CS818	<b>Research on Audit Model of Dameng Database based on Security Configuration Baseline</b>
	<i>Shenwen Wang, Yonghui Yang, Shukun Liu</i>
CS819	<b>Grey System Correlation-based Feature Selection for Time Series Forecasting</b>
	<i>Wei Cheng, Shufeng Wei, Fei Cheng</i>
CS822	<b>Hyperbolic Localization Algorithm in Mixed LOS-NLOS Environments</b>
	<i>Jianhua Guo, Lu Zhang, Wei Wang, Kai Zhang</i>
CS823	<b>Research on Design and Manufacturing Collaboration of Ship Shop</b>
	<i>Wang Meng, Bian Dezhi, Hu Changping</i>
CS826	<b>MVDR algorithm for broadband coherent source signals based on data reconstruction</b>
	<i>Hui Xia</i>
CS828	<b>Research on Application of Optimal Algorithm Based on Simulated Annealing in Intelligent Decision Model</b>
	<i>Hui Xia</i>

## Oral Session J

CS829	<b>Demand Side Management with Multiple EVs Sharing Parking Units in Electricity Market</b>
	<i>Jiaxi Kang, Jiejun Chen, Qiang Sun, Miao Zhang, Fangyuan Xu</i>
CS830	<b>Identity and Policy Based Signcryption Scheme for AMI Downlink Transmission</b>
	<i>Changji Wang, Yuan Yuan</i>
CS831	<b>Research on the Intelligent Identification Method of Personnel Violation in Substations Based on Deep Learning</b>
	<i>Jiacheng Su, Wenle Song, Baoyong Li, Guipeng Wei</i>
CS833	<b>Research on the Intelligent Image Recognition and Diagnosis Technology of Key External Insulation Devices Based on Deep Learning</b>
	<i>Shaoqi Yin, Yijun Hu, Rui Peng</i>
CS835	<b>Coupling Characteristics of Noise Radiation and Tank Wall Vibrations of Typical Distribution Transformers Based on Field Measurements</b>
	<i>Zhu Yunxiang, Tu Feng, Wang Zhiyong, Hu Jingyu, Shen Chong, Xu Jianfeng, Min Hequn, Cao Meigen</i>
CS837	<b>Research on the Data Management and Decision-Making Method of the Intelligent Substation System Based on SCD</b>
	<i>Wenle Song, Chunxiao Yan, Menglin Wang, Xiaokai Wang, Yang Liu</i>
CS839	<b>Research on Scheduling Optimization of Inbound and Outbound for Double-Stackers</b>
	<i>Jianxiong Qiu</i>
CS840	<b>Research on Production Scheduling for Coordination Operation of Stackers on Monorail</b>
	<i>Jianxiong Qiu</i>
CS843	<b>Application of Ontology Matching Algorithm in Linguistic Features</b>
	<i>Yan Zhu</i>
CS845	<b>Study on De-Noiseing of Internal Leakage Acoustic Emission Signal in Hydraulic Slide Valves Based on CEEMDAN-MI-IncrEn-NLM</b>
	<i>Jie Liu, Likun Peng, Fei Song</i>
CS846	<b>Ore Grouping Multi-Constraint Integration Benefit Greedy Optimization Method</b>
	<i>Bin Wang</i>
CS852	<b>A Kind of Soft Started Regulated Power Supply</b>
	<i>Qinzhu Wang, Huan Li</i>
CS853	<b>Navigation System Research and Design Based on Intelligent Image Classification Algorithm of Extreme Learning Machine</b>
	<i>Hua Yu, Lin Yang, Yunfeng Zhou</i>
CS856	<b>Small Object Detection Based on Deep Learning</b>
	<i>Wei Wei</i>
CS858	<b>Research on Interactive Information Design for Intelligent Urban Public Transport</b>
	<i>Xingchen Pan, Liqun Gao</i>

## Oral Session K

CS860	<b>Research on Open Robot Controller Based on Motion Control Card and Related Technologies</b>
	<i>Xin Zhao, Jian Zhang, Shangteng Qi</i>
CS861	<b>Research on Motion Trajectory Tracking Control Method Based on Mobile Robot Servo System</b>
	<i>Ze Liu, Shijun Jin</i>
CS862	<b>Research on Vehicle Routing Branch Pricing Algorithm for Multi-Model Electric Vehicles Based on Board Testing</b>
	<i>Guowei Wang, Dong Cui</i>
CS866	<b>Tactical Intention Recognition Based on Fuzzy Multi-Entity Bayesian Network</b>
	<i>Zhen Lei, Peizhi Cui, Yanyan Huang</i>
CS869	<b>Dragon Fruit Disease Image Segmentation Based on FCM Algorithm and Two-Dimensional OTSU Algorithm</b>
	<i>Wen Dong, Yihua Xia, Yongna Liu</i>
CS870	<b>Short-term Wind Speed Prediction Based on Improved CEEMD-FOA-LSSVM</b>
	<i>Li Minjie, Gao Guige</i>
CS873	<b>Study on the River Network Extraction Method from Complex Surface Based on Trend Surface Fitting</b>
	<i>Dandan Su</i>
CS874	<b>Design and Implementation of Distributed Government Audit System Based on Multidimensional Online Analysis</b>
	<i>Zhenxun Tian</i>
CS877	<b>Research and Design of Automatic Navigation System for Agricultural Machinery Based on GPS</b>
	<i>Jinqi Zhang, Fachuang Zhou, Changrui Jing, Shuangming Wei, Yao Wu, Changrui Jing</i>
CS878	<b>Maximizing Social Network Influences Based on User Preferences</b>
	<i>Shoujian Yu, Yi Li</i>
CS880	<b>Research and Application of Data Privacy Protection Technology in Cloud Computing Environment Based on Attribute Encryption</b>
	<i>Wenfeng Zhang, Shiqi Jin</i>
CS881	<b>Research on the Fast Retrieval Algorithm of English Sentences Based on Simhash</b>
	<i>Jing Ouyang</i>
CS885	<b>Novel Structure of Terahertz Antenna Based on Square and Circle</b>
	<i>Jiajia Lei, Jianguo Yu, Lan Wang</i>
CS886	<b>Research on Full-Scale Measurement of Non-Uniformity of Wind Pressure of Power Transmission Conductor</b>
	<i>Hongjie Zhang, Fengli Yang, Shuai Shao, Guo Huang, and Qing Zhu</i>
CS892	<b>Analysis of Steady-State Underwater Electric Field Characterization in Coastal Sea Areas</b>
	<i>Guoyi Yang, Zhe Dong, Linan Jia, Sha Liu, Jianye Su, Jialu Sun</i>

## Oral Session L

CS894	<b>Construction of Geographic Information Spatial Analysis System Based on BIM Technology</b>
	<i>Shuhui Jiang, Qin Zong, and Wanying Qin</i>
CS904	<b>Script Converter for Automated Testing of Laptops</b>
	<i>Yongfeng Huang, Mingle Shao, and Baoguo Lou</i>
CS905	<b>Security Posture Assessment Techniques for Marine Information</b>
	<i>Jing Zhao, Yong Xiang, Fengkai Liu</i>
CS908	<b>Research on the analysis of commercial economic data based on hierarchical clustering algorithm</b>
	<i>Yifei Wang</i>
CS909	<b>Application of Digital Close-range Photogrammetry Based on Hydrodynamic Model in Deformation Measurement of Model Test</b>
	<i>Shuhui Jiang, Wenjin Wang, and Wanying Qin</i>
CS910	<b>Design and Analysis of Machining Quality Control System Based on Finite Element Technology</b>
	<i>Lie Yang</i>
CS912	<b>"User Preference Significance Impact Measurement Based on Eye-Movement Data--Case Study of Decorative Pattern of Wardrobe Door"</b>
	<i>Yuan Yang, Han Wu</i>
CS915	<b>Application of dynamic association rules in network data mining</b>
	<i>Song Changxin, Ma ke</i>
CS918	<b>Medical CT Images Classification Model Based on BBO-HS Algorithm Optimized SVM</b>
	<i>Sun Rui</i>
CS919	<b>Study on Sector Capacity and Workload Model of Air Traffic Controllers Based on Least Square Method</b>
	<i>Liao Chenxi, Wei Zheng</i>
CS920	<b>Design and Application of Comprehensive Evaluation Index System of Smart Grid Based on Coordination Planning of Main Power Distribution</b>
	<i>Zhu Rui</i>
CS922	<b>Research on facial expression recognition of robot based on CNN convolution neural network</b>
	<i>Zhenhua Nie</i>