

Session A1

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July 4 08:30-10:00	8	Predictive Direct Torque Control Chip with a Fuzzy Controller for Induction Motor	Guo-Ming Sung, Wen-Sheng Lin, Chih-Ping Yu
	89	Applications on Adaptive Recurrent Cerebellar Model Articulation Controller for Switched Reluctance Motor Drive Systems	Shun-Yuan Wang, Foun-Yuan Liu, Jen-Hsiang Chou
	127	TaoBall: Core Design for Smart Internet of things Ball	Chen-Yu Su, Chun-Yi Hsiao, Ren-Guey Lee, Jyh-Horng Chen
	129	Development of Ball-shaped IoT Device for Rehabilitation	Chun-Yi Hsiao, Chen-Yu Su, Chun-Chieh Hsiao, Ren-Guey Lee
	145	A Hop-Count Localization method with Boundary Improvement for Wireless Sensor Networks	Chwan-Lu Tseng, Foun-Yuan Liu, Cheng-Han Lin, Ching-Yin Lee
	401	Real-time recognition of hand-drawn patterns using an innovative web-based approach	Sung-Jung Hsiao, Kuang-Yow Lian, Wen-Tsai Sung

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	Paper No	Paper Title	Authors
July 4 10:30-11:30	14	Anti-Lost Luggage Reminder System Using Electrically Conductive Fiber Antenna Tag	Yujie Li, Yun Li, Bingqing Li, Huimin Lu, Seiichi Serikawa
	108	Transforming Traditional Performance into New Media Audio Live Performances with processing.	Nian ZiXuan, Goh Wen Shyan, Zeng Rong, Lee Byung Gook
	141	A Novel High-turbidity Underwater Image Quality Assessment Method	Huimin Lu, Yujie Li, Xin Li, Xing Xu, Li He, Shenglin Mu, Shota Nakashima, Yun Li, Xuelong Hu, Seiichi Serikawa
	154	Machine Vision for Defect Detection on the Air Bearing Surface	Pichate Kunakornvong, Pitikhate Sooraksa
	361	Hybrid Fuzzy-Conventional Method to Improve 360-Degree Performance Appraisal	Nanta Sooraksa, Pitikhate Sooraksa
	483	Two-Stage Iterated Local Search for Solving Capacitated Vehicle Routing Problems	Chun-Chao Yeh, Da-Yuan Liu, Yan-Kai Liao

Session A3

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July 4 13:30 - 15:00	34	Dr. What-Info II: An Intelligent Mobile Information Consultation and Sharing Multi-Agent System with Universal Application Interfaces based on Open Data of Taiwan Government	Sheng-Yuan Yang, Dong-Liang Lee, Kune-Yao Chen, Chun-Liang Hsu
	219	Smart Wearable Device Design for Bicycle Lights Direction Control with Speech-recognition Function	Wei-Bin Wu , Chun-Liang Hsu , Sheng-Yuan Yang
	400	Innovation Strategies of Mobile Operator's HRM Model in Transition Period of Mobile Internet	Yue Hao
	416	Operating Monitoring and Fault Types Classification for Motors through Vibration Signal	Jheng-Lun Jiang, Hong-Chan Chang, Cheng-Chien Kuo
	421	An Emergency Care System Using RFID and Zigbee Techniques	Horng-Lin Shieh
	481	Fault Analysis of Induction Motor Based on Discrete Fractional Fourier Transform	Hung-Cheng Chen, Hua-Ying Pu

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July 4 15:30 - 17:00	95	Research on Protection Using One-end Current Based on Improved Recursive Wavelet Transform in Four-terminal HVDC System	Shuping Gao and Jing Xie
	98	Study on Location Detection of PMSM Rotor Based on Sliding Mode Observer	Qixun Zhou, Yufeng Zhang, Hucheng He, Wenquan Li, Xuanxuan Qi
	173	A Fan Control System Base on Steady-state Visual Evoked Potential	Mei Wang, Yuanjie Lv, Miaoli Wen, Sailong He, Gang Wang
	185	Study of Fault Location in Transmission Line Using S Transform	Liqun Shang, Wensong Zhai, Pei Liu
	218	Solution of Home security based on ARM and ZigBee	GONG Shang-fu, YIN Xiao-qing
	225	An Improved Detection Algorithm of Sequence Current	Qingliang Wang, Yao Shangguan, Lei Shao, Yunpeng Kang

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July 5 08:30-10:00	442	strategy for Shunt Active Power Filter under Nonlinear and Unbalanced Three Phase	Shuai Hao, Zhouxing Fu, Qingliang Wang, Jie Zheng, Minglu Zhang
	65	no DAQ Development and Implementation on an Android App for Power Frequency	Yeong-Chin Chen, Hui-Yu Shen, Hao-Yuan Chen, Chao-Hsing Hsu
	64	Kalman Filter Identification and Digital Redesign of Observer-based Tracker for S	Tseng-Hsu Chien , Yeng-Chin Chen
	322	New Control Strategy for VSIG Grid-side Converter	Zhang Yufeng
	414	A Design Energy System using Hydrogen Energy and PEMFC for Sensing Robot	P.S. Pa; S.Y. HUANG
	102	Integrated Current Detector for High Voltage Power Switches using LDMOS Transistors	Chin Hsia

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July 5 10:30-11:30	107	Kalman Filter for Stripe Non-uniformity Correction in Infrared Focal Plane Arrays	ShuPeng Wang, ShiRu Zhang, NiZhuang Liu
	197	Partial Diagnosability Analysis of Discrete Event Systems	ZHANG Long-mei, LU Wei, WANG Jing
	266	A better range-free localization algorithm in wireless sensor networks	Yan Liu, Yaming Zhang
	329	A Rake-MMSE Receiver based on RLS Algorithm for UWB Systems	Kang Xiao-fei, Li Bai-ping, Sun Qi-chang

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July 5 13:30 - 15:00	114	An enhancement method for non-uniform illumination in coal mine	CHAI Yu , LIU Xiao-long , DENG Li-jie
	169	Double ground wire transmission line parameters theory calculation	Zhouxing Fu, Jiameng Guo and Yunge Li
	229	Research on Intelligent Recognition for Weak Single-phase-earth Signal	Qingliang Wang, Xiaoru Li, Yuanyi Chen, Yifan Yu
	256	Travelling Wave Fault Location for Distribution Line Based on Improved Morphological Gradient Algorithm	Jian-Wen ZHAO, Tao HE, Cheng-Ming LIU, Ke LI
	257	The Calculation of 750kv Line Parameters Based on ATP-EMTP Simulation	Zhou-Xing Fu, Di Ju and Yun-Ge Li
	300	Power Cable Fault Recognition and Location Using Phase-mode and Wavelet	Changfeng Xu, Mei Wang, PaiWang, Xuebin Qin, Liang Wang

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July 5 15:30 - 17:00	61	Controllable Ink-Jet Printing Technique on Various Channel Width Designs Toward Zinc Oxide-based Thin Film Transistor	CHENG-JYUN WANG, FU-HSIANG KO, HSIN-CHIANG YOU, BO-WEI DU
	328	Landing Cooperative Target Robust Detection via Low Rank and Sparse Matrix Decomposition	Shuai Hao, Xu Ma, Zhouxing Fu, Qingliang Wang, Hongan Li
	349	Study on Measurement and Fault Diagnosis of Rotor Radial Vibration Displaceme	Xin-xia WANG
	364	Analysis the Output voltage ripple of Intrinsically Safe Buck Converter with Output low pass Filter	Yan Li, Shulin Liu
	432	Evaluation of FED-CASE - A Tool to Convert Class Diagram into Structural Coding	Sadia Sadaf, Ali Athar and Farooque Azam

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July 4 08:30-10:00	82	Application of Multi-Agent Systems to Microgrid Fault Protection Coordination	Jyh-Cherng Gu, Ming-Ta Yang, Jun-Da Chen, Hsin-Yung Chung, Chun-Yi Wang, Yung-Ruei Chang, Yih-Der Lee, Chen-Min Chan, Chia-Hao Hsu
	258	Identification of Congestion in Taiwan's Transmission Networks with Large Scale Integration of Wind Power	Yuan Kang Wu, Chung Yu Lai
	422	High-precision Σ - Δ Modulator Design for Electrocardiogram Signal Acquisition	Liang-Hung Wang
	477	Balancing Strategies for an Unbalanced LiFePO ₄ Battery Pack	Zi-Yuan Chiou, Chih-Hao Lee and Chi-Yao Wu
	478	Battery Modelling and SOC Estimation of a LiFePO ₄ Battery	Ming-Yang Ke, Yu-Hsiang Chiu, Chi-Yao Wu
	69	Life Cycle Design through Modularity and Disassembly	Hwai-En Tseng, Shu-Hsuan Chang

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July 4 10:30-11:30	11	Comparison of biased and unbiased sampling algorithms using graph metrics	Bo Jiao, Yuan-ping Nie, Rong-hua Guo, Yi-can Jin, Xun-long Pang, Zhe Han, Ying Zhou
	32	Demonstration of Low-Complexity LED-to-LED Two-way Visible Light Communication System	Le The Dung, Seungwan Jo, Beongku An
	146	Decision-Directed Beamforming and Channel Equalization Algorithm for IEEE 802.11n OFDM	Chih-Feng Wu, Chun-Hung Chen, Muh-Tian Shiue
	226	Compact Dual-Broadband Antenna and Its Array for 2G/3G/LTE Application	Jian Liu
	411	How Does Beamforming Influence the Connectivity of Cognitive Radio Ad-hoc Networks?	Le The Dung, Tran Dinh Hieu, Beongku An, Byung-Seo Kim
	90	Road Surface Condition Distinction Method using Reflection Intensities Obtained by Ultrasonic Sensor	Shota Nakashima, Shingo Aramaki, Yuhki Kitazono, Shenglin Mu, Kanya Tanaka, Seiichi Serikawa
	392	Neural Network Based On-line Stabilization for Humanoid Robots	Shenglin Mu, Chengxu Zhou, Huimin Lu

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July 4 13:30 - 15:00	112	Remarks on Quaternion Neural Network-based Self-tuning PID Controller	Kazuhiko Takahashi, Yusuke Hasegawa, Masafumi Hashimoto
	151	Inhering Reliability in 'Signature' Architecture - developing remote control with effective order and efficient rules	Li-Yen Hsu
	198	Design on Sliding Mode Controller with Adaptive Fuzzy Compensation for Switched Reluctance Motor Drive Systems	Shun-Yuan Wang, Foun-Yuan Liu, Jen-Hsiang Chou
	288	Real-time Driver Drowsiness Detection System Based on PERCLOS and Grayscale Image Processing	Jun-Juh Yan, Hang-Hong Kuo, Ying-Fan Lin, Teh-Lu Liao
	413	The Performance Comparison of Two Kinds of Decoders in Brain-machine Interface	Hong-guang Pan ¹ , Mei Wang, Zai-ying Wang, Pai Wang
	373	Using Arduino to Develop a Bluetooth Electronic Scale for Water Intake	Bin Dai, Rung-Ching Chen, Wei-Bin Yang

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July 4 15:30 - 17:00	86	Tetrahedron-constraint Least Square Localization Algorithm in Mixed LOS/NLOS Scenario Based on TDOA Measurements	Zhengguo Cai, Xuguang Yang, Xukang Wu
	88	400bps High-Quality Speech Coding Algorithm	Xiaofeng Ma, Ye Li, Jingsai Jiang, Peng Zhang, Yanhong Fan, Qiuyun Hao
	437	Employing Cross-Platform Smart Home Control System with IOT Technology Based	Sung-Jung Hsiao, Kuang-Yow Lian, Wen-Tsai Sung
	514	The Fault Detection and Diagnosis for Fractionating Tower Based on Correlation Coefficient	Wang Zaiying, Wang Guoxin
	519	Third-Order Switched-Current Delta-Sigma Modulator with ADC and IDWA	Guo-Ming Sung, Wen-Sheng Lin, Chih-Ping Yu

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July 5 08:30-10:00	29	A Super-Resolution Algorithm Using Linear Regression Based on Image Self-Similarity	Shen-Chuan Tai, Jiun-Jie Huang, Peng-Yu Chen
	33	A Vision-Based Infant Monitoring System Using PT IP Camera	Chiung-Yao Fang, Chiao-Shan Lo, Su-Han Ho, Shih-Hsien Chuang,, Sei-Wang Chen
	124	A Study of Effects of Perceptual Cues on Presence for the Elderly in 3D Virtual Store	Cheng-Li Liu, Shiaw-Tsyur Uang
	128	An Error-detecting Code Based Fragile Watermarking scheme in Spherical Coordinate System	Yi-Ching Chang, Jen-Tse Wang, Yung-Tsang Chang, Shyr-Shen Yu
	131	An OFB-Based Fragile Watermarking scheme for 3D polygonal meshes	Jen-Tse Wang, Yi-Ching Chang, Chih-Wei Lu, Shyr-Shen Yu
	142	PMV-based Genetic Algorithms for Indoor Temperature Control System	Yi Ping Lin and Yi-Ying Chang

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July 5 10:30-11:30	149	Research of Vehicle-Mounted Detection and Collision Avoidance System based on Dedicated Short Range Communications	Yi - Ying Chang, Cheng - Yi Yu, Lung-Tsai Lee
	287	PSO ICA with BRM for Image Enhancement	Shih-Hsiung Lee, Chu-Sing Yang
	462	A Novel Part-Saliency-Based Approach to Fast Iterative 3D Mesh Segmentation	Hung-Kuang Chen, Yu-Dai He
	517	An improved evidence combination method of D-S theory	Haobin Shi, Shuyun Yang, Zhenliang Cao, Wei Pan, Weihua Li

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July 5 13:30 - 15:00	73	Evaluating the Performance of Cloud Services: A Fuzzy Multicriteria Group Decision Making Approach	Santoso Wibowo, Hepu Deng
	80	DGA Botnet Detection Utilizing Social Network Analysis	Tzy-Shiah Wang, Chih-Sheng Lin, Hui-Tang Lin
	132	Fuzzy C-means with Spatiotemporal Constraints	Xu Gao, Fusheng Yu
	323	The Single-phase Inverter Design for Photovoltaic System	Jun Xu, Kailing Han
	529	Assessing the impact of the variables certification, evaluation and time to represent trust by making use of the social semantic web as the main generator of information	Gustavo Lopez, Claudia Leon

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July 5 15:30 - 17:00	205	An Application of Fuzzy Theory to The Power Monitoring System in Cloud Environments	Te-Jen Su, Shih-Ming Wang, Hong-Quan Vu, Da-Yun Ku, Jing-Lue Huang
	214	Based on binocular identification technology of automobile active braking safety distance model research	Guan Rongqiang, Fang Jian, Liu Junyi
	344	Ontology and Learning Path Driven Social e-Learning Platform	Yin-An Chen, Chuan-Jun Su
	463	An Intelligent Tennis Ball Collecting Vehicle Using Smart Phone Touch-Based Interface	Hung-Kuang Chen, Jyun-Min Dai
	476	Human Pulse Recognition based on Convolutional Neural Networks	Shi-Ru Zhang, Qing-Fu Sun
	501	Design and Simulation of a Delta type Robot	Chi-Sheng Tsai, Aaron Yao, Nikola Radakovic, Hong-Yu Wei, Cheng-Yuan Zhong, Zhong-Jun Zhou

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	150	Efficient RDF Representation and Parallel Join Processing Algorithm on General Purpose Many-core	Minho Bae , Gibeom Lee, Junho Eum, Donghoon Kim, Sangyoon Oh
	302	Design and Implementation of Ceph Block Device in Userspace for Container Scenarios	Li Wang, Yunchuan Wen
	339	Improved Chameleon: A Lightweight Method for Identity Verification in Near Field Communication	Yafei Ji, Luning Xia
	345	Social Media Analytics based Product Improvement Framework	Chuan-Jun Su, Yin-An Chen
	353	Transitioning Native Application into Virtual Machine by Using Hardware Virtualization Extensions	Muhammad Shams Ul Haq, Liao Lejian, Malerong
	518	Electrochemical deposition of ZnO buffer layer for CIGS solar cell	Zue-Chin. Chang, Chien Cheng Lin

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	387	HM-Mesh: Energy Efficient Hybrid Multiple Network-on-Chip	Ji Wu, Dezun Dong, Li Wang
	390	Impact of IPsec on MANET	Fatin Hamadah Muhd Abdul Rahman, Thien Wan Au
	440	Effective Request Distributing in Distributed SSL Reverse Proxies	Haitao Dong, Jinlin Wang, Jun Yang
	460	Extension-based Recommendation System about Classification Algorithm and Its Application	Jie Yang, Hong Gao, Wei Liu
	465	Forensic Analysis of Distributed Computing Network Based on Decision Values	Na Huang, Jingsha He, Bin Zhao, Gongzheng Liu
	467	WiFi Fingerprinting for Indoor Room Localization Based on CRF Prediction	You-Hsuan Lee, Chow-Sing Lin

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24	Announcement Based Stock Prediction	Zhihua Jiang,Pei Chen,Xixi Pan
25	Semantic Model for an Interesting Domain	Dongning Rao,Zhihua Jiang,Xinyan Liu
30	Comparison of Transmission-Type and Reflection-Type Surface Plasmon Resonance Based Fiber-Optic Sensor	Yu-Cheng LIn
111	Design and Implementation of Network Download Traffic Identification and Control Scheme based on P2SP	baiping li,jie li
133	2.5D X-Clock Tree Construction Based on Stacked-Layer Combination of Multivoltage Islands	Chia-Chun Tsai
137	An Improved Incremental Queue Association Rules for Mining Mass Text	Wenchuan Yang , Lei Hui , Dong Zhang , Yimin Fu
143	An Improved Parallel Algorithm for Text Categorization	WenChuan Yang,YiMin Fu,Dong Zhang
148	The design of secure group communication with contributory group key agreement based on mobile ad hoc network	Yu-Yi Chen, Chuan-Chiang Huang, Jinn-Ke Jan

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208	Design of test case for OpenFlow protocol conformance test based on OFTest	Pai Zheng
276	A New Method to Solve the Bottleneck Assignment Problem	Xuewei Cai, Haobin Shi, Kao-Shing Hwang, Shixiong Wang, Huahui Chen, Xuesi Li, Hongwei Cui
283	Predictive-Reactive Scheduling for Space Missions in Small Satellite Clusters	Jin Wu, Lixiang Liu, Xiaohui Hu
348	Switched reluctance motor braking strategies under different rotational speed	Xiangdong Huang, Peng Gao, Jiang Gao
367	An Improved Clustering Algorithm Based on Multi-swarm Intelligence	Rongzhi Zhang, Chenchen Liu, Shining Liang, Xueni Zhang, Wenyu Dong, Wanli Zuo
381	Analysis on Information Leakage of Computer Displays via Conducted Emission on Power Line	Weiqing Huang, Shanjing Yang, Jianlin Hu
426	Background Subtraction Based on Codebook Model and Texture Feature	Geng-Cheng Lin, Sheng-Chih Yang, Chuin-Mu Wang, Che-Fu Lin
427	MRI Brain Tissue Classification Using Unsupervised Optimized Extensics-based Methods	Ruey-Maw Chen, Chuin-Mu Wang
466	An End-to-End Energy Saving Algorithm Based on Cooperative Game Theory under Time Delay Constraint	Yuan Zhang, Jin-he Zhou, Lei Zhang

469	Detection Method of WEB Malicious Code based on Link Analysis	Lu Zhiyong, Sui Sai, Huang Chengdong, Wang Xueyu
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84	Fraction Characterization in BV Space Applied to Coal Particle Image Optimization	Wang Zheng, Ma Xianmin
172	EEG signal recognition based on wavelet transform and neural network	Xue-Bin Qin, Yi-Zhe Zhang, Meng-Tao Huang, Mei Wang
191	Application of Automatic statistic Passenger Flow system based on Depth Data	Xuebin Qin, Yizhe Zhang, Lin Guo, MeiWang, PaiWan
201	Fault detection and diagnosis of mine hoist machine based on RS and SVM	xianmin ma, xing zhang, zhan she yang
231	The compensation algorithm based on Bayes theory of multi point measurement fusion for methane concentration	Yuanbin Hou, Rong Fan, Xizi Chen, Tiantian Dong
243	Temperature prediction based on double feedback of three-dimensional forming machine control system	Yuanbin Hou 卍 MeiE Gao 卍 Chen Li 卍 Hongyan Li
245	The new synthetic loop method of Ultra high voltage based on simulation research and physical experiment	Huigao Zhou ¹ , Dong Li ² , Liu He, Wenjie Xu

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251	Steel cord conveyor belt defect recognition based on PSO-SVM considering shrinkage factor	Hong-wei Ma, Jun-ying Jiang, Hong-wei Fan, Qing-hua Mao
252	Steel Cord Conveyor Belt Defect signal Noise Reduction Method Based on A Combination of Wavelet Packet and RLS Adaptive Filtering	Qing Hua Mao, Hong Wei Ma, Xu Hui Zhang
270	The current measuring circuit of automatic conversion range	Mengtao Huang, Ni Xu
316	Design of Induction Motor Speed-sensorless Vector Control System	Hucheng He,Junfeng Xing
340	Switched Reluctance Motor Loss Optimization Based on Finite Element Method	Xianghui Huang,Xing Wang
343	A Blurred Image Quality Assessment Method Based on Content-partitioned	Yan Fu, Mengdan Yin
360	A MPC method based on the oval invariant set for PMSM Speed Control System	WANG Yong-bin, HU Xiao-dong, CHEN Yi, XU Xin-qi
374	Lexical Analysis for the Webshell Attacks	Dong Liang Lee, Yung-Hui Chen, Lim Xiang Yann
378	Optimal Design of RCD Parameters in Flyback Converter	Shu-lin LIU,Fa-wang ZHANG, Qiong ZHANG
431	Study of Boost Converter Based on the ZVS	Gaili Yue 刁 Na Zhao

486	Research of the User-oriented Discrete Analysis and Decision Algorithm	Wenchuan Yang,Pengfei Li
487	Study of an Improved Text Filter Algorithm Based on Trie Tree	Wenchuan Yang,Zeyang Fang,Lei Hui

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12	Temperature Effects on Resistance of Power Devices	Hsin-Chiang You; Cheng-Yen Wu; Wen-Luh Yang
28	Design of a Potentiostat with Standalone Signal Generator for Vanillylmandelic Acid Biosensors	Chun-Yueh Huang, Ming-Feng Sun, Hung-Yin Lin
49	Improved Microcantilever Weight Distribution for Sensing Applications	Yan Liu, Hai Wang, Hongbo Qin, Wei Zhao, Peng Wang
54	A Smart LED Lighting with Multiple Dimming and Temperature Automatic Protection Capabilities	Kai-Lun Chen, Hao-Ping Chan, Yu-Cherng Hung, Shao-Hui Shieh
74	Fabrication of SAW devices with dual mode frequency response using AlN and ZnO thin films	Wei-Che Shih, Ying-Chung Chen, Guan-Ting Peng, Kuo-Sheng Kao, Chien-Chuan Cheng, Wei-Tsai Chang
122	A Real-time Evaluation Method on Internet Data Centre's Equipment Corrosion by Wireless Sensor Networks	Xiangzhi Liu, Yifan Hu, Fuqiang Wang, Yong Pang, Hong Liu
136	Analysis of a Quadrotor With a Two-Degree-of-Freedom Robotic Arm	Chung-Wei Shiu, Chih-Ming Hsu, Jen-Hsiang Chou

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139	Influences of Substrate Pickup Integrated with the Source-end Engineering on ESD/Latch-up Reliabilities in a 0.35-um 3.3-V Process	Shen-Li Chen, Min-Hua Lee, Tzung-Shian Wu
152	Design and Implementation of Vehicle-mounted Burglary-resisting System Based on ARM and 3G Networks	Li Baiping, Sun Qichang
190	Design of Micro Methane Concentration Sensor Based On FBG	Bo Zhang
312	Character of Channel Polarization in Symmetric Binary-Input Discrete Memoryless Channel	ZHANG Chen-yun,ZHANG Hong
324	Design of Humidity and Temperature Sensor Based on FBG	ShouHua Wang, Bo Zhang
338	Design of a chip destructible hardware Trojan	Jun Li ,Qiang Sui, Ming Chi, Jihua Chen
404	Low Complexity Approach of Material and Relative Appearance Detection for Beverage Cup	Lawrence Y. Deng, Yu-Jia Chang
424	Performance of Virtual Stimulus Motion based on the SSVEP-BCI	Nannan Zhang, Yang Yu, Erwei Yin, Zongtan Zhou
428	Hyperspectral Image Compressed Sensing based On Effective Spectral Reconstruction	Ying Hou, Jian Liu
502	Recording Characteristics and Crystallization Behavior of Ge/GeCu Bilayer Applied for Write-Once Blu-Ray Media	Sin-Liang Ou, Feng-Min Lai, Wei-Kai Wang, Shih-Yung Huang, Ching-Ho Tien, Chin-Yen Yeh, Kuo-Sheng Kao

	313	ing Data Mining and RFM Model to Analyze Customers' Values of A Veterinary H	Jo Ting Wei, Shih-Yen Lin, You-Zhen Yang, Hsin-Hung Wu
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43	The Optimization of Energy Saving in Illumination Management via Integer Program Method	Yuan-Chieh Chin
53	Optimization of the Retardance in Citric Acid Coated Ferrofluids	Jing-Fung Lin, Jer-Jia Sheu
57	Signal Reconstruction Based on Newton's Forward Divided Difference for SCADA of Wide-Area Intelligent Energy System	Cheng-I Chen, Yeong-Chin Chen
62	Local Binary Pattern Special Investigation based on Search image face texture recognition	Hsien-Chih Hu, Hsin-Ching Chou , Yeong-Chin Chen,Chang-Pei Yi
70	ECG Measurement System Based On Arduino and Android Devices	Menq-Jion Wu, Sheau-Fang Shieh, Yi-Lin Liao
204	Research on image algorithm of edge detection based on Fuzzy Technology	Fang Jian,Guan Rongqiang, Liu Junyi
206	Based on PLC fuzzy control algorithm in the application of level control	Bu Bo , Li Chuang ,Chen Meng

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217	The design of Intelligent electric geothermal remote control system	Li Wei,Fang Jian,Li Chuang
220	Based on DSPACE vehicle diesel engine transient operating conditions	Qiang Liu,ZhongChang Liu,Jing Tian,Jun Wang,Jian Fang
235	Design of wireless wearable multi parameter monitoring system based on GSM communication	Zhao Rui,Li Qi, Li Chuang
267	Inverted pendulum controller design based on swarm algorithm	Qiao Liang, Li Qi,Li Chuang
278	A New Method of Image Denoising for Furnace Flame	An JingYu, Ma XianMin
295	Automobile exhaust purification system research based on ARM	HUANG Mengtao,FENG Zunxiang
423	A Plane Angle Measurement System Using MARG Sensors	Chun-Cheng Lin, Kai-Jie Jhong, Ying-Che Kuo, Yu-Xian Zeng
433	An Efficient Foreground Object Detection Method Using a Color Cluster-Based Background Modeling Algorithm	Ming Hwa Sheu
434	Pedestrian Collision Warning of Advanced Driver Assistance Systems	Ying-Che Kuo, Ci-Ming Fu, Cheng-Tao Tsai, Chun-Cheng Lin, Ghih-Hao Chang

480	Diagnosis System Design Using CMAC-based Scheme for Automobile Automatic Transmission	Ying-Che Kuo, Chin-Pao Hung, Jia-Wei Wu, Wei-Jia Liou
527	Underwater Observing System for Taiping Floodgate in Taiping River of Yangzhou	Huiliang Xu, Yujie Li, Yun Li, Huimin Lu

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	430	Unexpected Contours Removing Method for Projector	Wen-Pinn Fang
	474	Enabling Cooperative Computing for Android-Based Mobile Platforms	Tin-Yen Lin, Jing Chen, Jian-Hong Liu
	475	A Threshold Controlled TCP for Data Center Networks	Yi-Cheng Chan, Tzu-Hsuan Chiou

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July 5 15:30-17:00	321	ID-based signcryption scheme using extended chaotic maps	Wang Caifen,Kang Burong
	346	Teachers' Pro-Industry Professional Cognitive to Adjust Industry 4.0	Chun-Mei Chou, Chien-Hua Shen, Hsi-Chi Hsiao, Su-Chang Chen, Hui-Tzu Chang, Jia- Ming Chen
	473	Time dependence based scheduling strategy for multiple workflows on IaaS cloud platform	Shaowei Liu, Kaijun Ren, Kefeng Deng,, Junqiang Song

Session C9

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4	A Novel Retinal Image Color Texture Enhancement Method Based on Multi-Regression Analysis	Chen-Chung Liu,Ming-Jen Chang,Ya-Jing Chaung,Shyr-Shen Yu
144	Computation Reduction in Transform Unit of High Efficiency Video Coding based on Zero-coefficients	Yu-Chen Tsai, Jia-Xun Lee,, Pei-Shan Yu
174	Improving the Contrast Enhancement of Oceanic Images Using Modified Dark Channel Prior	Shi-Jinn Horng, Ping Juei Liu,, Jzau-Sheng Lin
184	Modified ABC algorithm in Virus Evolution	Yong cheng
186	Improved Prediction of Markov Chain Algorithm for Indoor Temperature	Lei Yang, Liquan Shang, Lin Yang
187	Application of Computer Simulation Technology in Teaching Power System Protective Relaying	Yang Wenhui
273	Image Sharing and Recovering Based on Chinese Remainder Theorem	;Ting-Wei Chuang, Chaur-Chin Chen, Betty Chien
309	Modeling of Arc Resistance and Glow Discharge for Inductor-Disconnected-Discharge Circuit Based on Explosive Test	Yong-xiu ZHAO,Yan LI,Yao FU

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314	Streaming System with Multiple Rates in Hybrid Networks	Shuai Zeng, Xi-Yan Fan, Guo-Feng Zhao
325	A Blind Estimation for Speckle Noise based on Gaussian-Hermite Moments	Ma Miao, Zheng Xue, Pei Zhao
375	Equivalent Simple-Inductive-Circuit and Its Applications of Inner intrinsically Safe Buck Converter	Shu-lin LIU, Yue-yun HAN, Li-li QI
382	Research on Driving Technology of GaN HEMT and Application	Xiao-hu YIN, Ya-ya SONG, Hui-san XU
385	3D Face Reconstruction from a Single Frontal Face Image by Robust Cascaded Regression	Lihua Han, Quan Xiao, Shoujue Wang
386	Region-based Moving Shadow Detection Using Watershed Algorithm	Jin Gao, Jiangyan Dai, Peng Zhang
394	A Laser-Based Vision System for Tire Tread Depth Inspection	Chi-Wen Lung, Yen-Chang Chiu, Chang-Wei Hsieh
454	Performance of PTS-Based Firefly Algorithm Scheme for PAPR Reduction in SFBC MIMO-OFDM Communication Systems	Ho-Lung Hung, Yung-Fa Huang, Ching-Chuan Wei, Rung-Ching Chen
457	Research on Relieving Voltage Sag of Sensitive Load Node Based on Fault Current Limiter	Li MA, Qian ZHOU
468	Salience Feature Detection for Polygonal Meshes Based on Maximum Normal Variation	Hung-Kuang Chen, Ying-Chuan Chen

507	The Research of SVG Based on the Unbalanced Power System	Gaili Yue, Xun Li, Xiaona Sui
515	Leakage Current Prediction for High Voltage Insulators Flashover based on Extreme Value Theory	Hui Ali

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67	A Novel Ultrasonic Motor Driven by Circumferential Ridge Waves	Tai-Ho Yu
117	Application of Hybrid Mixing CDMA/IDMA/OCDMA/OIDMA for Smart Grid Integration of Renewable-Energy Resources	Ching-Chuan Tseng, Li Wang , Chih-Hung Kuo
123	Using GPU to Shorten the Match Time of Rule Reasoning Based on Rete Algorithm	Jin-Yu Guo, Chipan Hwang, Mu-Song Chen
134	A Study about Estimator Relation analysis based on Sensorless Rotor-filed Oriented Vector Control	Wen-Cheng Pu, Bo-Ru Huang, Yung-Chang Luo, Ying-Piao Kuo
160	Assistive Technology in Capstone Engineering Design	Hanqi Zhuang, Zvi S Roth, Oren Masory, Nurgun Erdol
163	A New Approach for North Atlantic Right Whale Upcall Detection	Ali K Ibrahim, Hanqi Zhuang, Nurgun Erdol, Ali Muhamed Ali
164	Additional low frequency signal measurement method of insulation resistance about mine cable	Li Lei, Li Zhong
175	Using Genetic Algorithms to Approximate Weighted Geometric Dilution of Precision	Chien-Sheng, Chen, Kai-Sheng Chen, Jen-Fa, Huang, Yi-Ruie, Li

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272	Full-order stator flux observer Based Sensorless Vector Controlled Induction Motor Drives Applying Particle Swarm Optimization Algorithm	Yung-Chang Luo, Chen-Lung Tsai, Wen-Cheng Pu, Cheng-Tao Tsai
275	The Study of Repeat Purchase Behaviours in Information Technology Industry	xuchen,huafang
290	The Analysis of Intellectual Property issues and countermeasures	Hua Cai
311	The Vehicle Positioning Algorithm of The ZigBee Technology	HENG FAN
317	The research of MCU ultrasonic range finder	Shu Qing Ma
327	Implementation Patterns Building of Online Travel Agency Entrepreneurial Management from the Perspective of System Dynamics	Yue Wang
341	Design and Simulation of ZVZCS Phase-shifted Full Bridge PWM Converter	Yun Gao, Min Yang
402	Female Career Planning Development and Management in Computer Science Era	Qinglan Luo
405	High-level Talents Development Strategy in Information Era	Jisheng Yang, Qinglan Luo
406	The Influence of Electronic Word-of-Mouth on the Decision-making of Online Travel Booking	Chunyan Wang

408	A Comparison of Error Performance for Iterative Calculation in MSA Decoder for LDPC Nonregular Parity Check Matrix in 16QAM System	Yi Hua Chen, Mei Lin Su, Hua Ting Syu, Zong Yi Saio
449	Application of Improved Genetic Algorithm in the Channel Allocation of OFDMA System	Zhongli Wang, Xin Ma, Chaodong Zhang, Tianhao Fu
479	Reliability Evaluation for Wireless Sensor Network Based on Hierarchical Weighted Voting System	Qiang Liu, Hailin Zhang, Yanbo Ma
513	Coreless DC Motor Drive System Design by Variable Structure Scheme	Chiu-Keng Lai, Shien-Cheng Chang

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16	Design of An Efficient Battery Charging System Based on Ideal Multi-state Strategy	Hsiung-Cheng Lin, Yue-Jing He, Chi-Wei Liu
20	The effect of perceived support from using instance message intelligence on customer outcomes in e-commerce	Liping Yan, Xiucun Wang
22	Massive Face Recognition Algorithm Based on the Hadoop Technique	Wen-Yuan Chen, Ming-Ming Li, Jian-Shie Lin, Sheng-Chung Ni
26	Management Strategies for New Generation of Employees and Optimization Method for Such Strategies during Organizational Changes	Li Wenli, Duan Wanchun, Du Yuanwei
79	A novel image transmission scheme based on parameter-tuned Stochastic Resonance at low SNR	Jun Bai,Zan Li,Jing Liu
91	Selection of Process Parameters for the Precision of Screw-shaped Objects on Reprap 3-D Printers	Chieh Kung, Tai-Ho Lee
96	Design on the Integrated Transportation Management System for Coal Company	Wen-Feng Li, Yong-Ming Feng , Hai-Peng Lei
113	A SWT Verified Method of Natural Scene Text Location	HUANG JIAN , LIU XIAOPEI,ZHAO QIAN

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155	A pilot pattern based algorithm for MIMO-OFDM channel estimation	Li Guo-min,Liao Gui-sheng
170	Measurement of Tire Tread Depth with Image Triangulation	Shih-Yen Huang ¹ , Yen - Cheng Chen, Jih-Kai Wang
196	Main Trend Extraction of the Storage Volume for Internet Data Center	Bei-bei Miao, Chao Dou, Xue-bo Jin
335	Sheet Resistance Mapping Technique Method Based on Polar Coordinates	Wu Pengfei, Liu Baodong, Liu Xinfu
336	Micro-area Sheet Resistance Measurement System of Four-Point Probe Technique Based on LabVIEW	Liu Baodong ¹ , Wu Pengfei ² , Liu Xinfu ²
342	Reasearch of Realtime Dynamic Face Recognition System Based on Flow Compute Model Storm	Li Wei and Li Mingming
415	Research for Solar Power Charger of Stable Feedback Control	Guo-Shing Huang, Shing-Lih Wu, Pei- Siou Ding
425	Study on user's satisfaction of enterprise resource planning system - An Example of manufacturing	Kune-Yao Chen, Hong-Yu Lee, Steve Tu
497	A Real-Time FPGA Based Human Detector	Pei-Yung Hsiao, Shih-Yu Lin, Chuen- Yau Chen
521	A Geometric Localization Method With Monocular Vision For Robots	Xuesi Li, Haobin Shi, Haili Li, Kao- Shing Hwang, Huahui Chen

528	A Dual-core FPGA-based Embedded System Development Platform	Chun-Ming Huang, Chih-Chyau Yang, Chien-Ming Wu, Chun-Yu Chen, Chun-Wen Cheng, Yi-Jun Liu
530	Design of flow control system based on expert PID	Qi Xing Liu
531	Based on GSM geothermal electricity control system design	Jian Ping Xu, Jian Fang, Hao Zhou, Meng Chen, Qi Li

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27	Migrating Web Applications to Clouds with Cloud-based MVC Framework	Jyhjong Lin, Lendy Chaoyu Lin, Shiche Huang
44	Analyzing Guided-Modes for Novel and High Performance FBG-OADM Using Improved FEM	Yue-Jing He
51	The Minimum Cost Current Predictive Control Strategy for Three-phase Inverter	Jiao Wenliang, Wang Xudong, Zhou Kai, Li Lihua
165	Finite Geometry Codes Based on Geometry Permutation Decoding	Jyun-Jie Wang, Chi-Yuan Lin
167	Study of Using Fourier Transform to Capture the ECG Signals between Awakeness and Dozing	Po-Ying Chen, Ming-Jen Chang, Keng-Chang Tu, Shyr-Shen Yu, Chen-Chung Liu
244	Designated Target Enhancement and Segmentation in Multi-spectral MR Images	Sheng-Chih Yang, Yue-Jing He, Yi-Jyun Wun
277	Breast MRIs Reporting Aided System	Yue-Jing He, Sheng-Chih Yang, Yu-Ben Jhao
291	Study of Impact on High PV-penetrated Feeder Voltage Due to Moving Cloud Shadows	Yu-Hsee Chen, Li-Yuan Hsu, Yi-Ying Chen, Yung-Ruey Chang, Yee-Der Lee

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292	Research on Reduction the Torque Ripple in Switched Reluctance Motor	Min Dong
297	Mine Gallery Rig Performance Test Based on BP Neural Network and Multi-sensor Data Fusion	Hongyang Zan, Kaiming He, Yangyang Zhu, Fenlei Dai, Mei Wang
303	Study of Power Factor Angle Closed-loop Control Technology in Soft-starter	Jun Tong , Bin Liu, Hong Zhang, Wenquan Li
334	Grid-Connected Digital Controller of Diesel-Engined Generator for a Hybrid Power System	Tong-Chou Lin ¹ , Yong-Hao Huang ² , Min-Yu Jhan ³ , Liang-Ruei Chen ⁴
351	A Steganography Scheme Based on Cyclic Codes With Iterative Toggle Search Set	Hsi-Yuan Chang, Jyun-Jie Wang, Chi-Yuan Lin*, Chin-Hsing Chen
379	No-Reference Image Quality Assessment Based on HVS	Yan Fu, Shengchun Wang
384	Direct Torque Control for Surface Permanent Magnet Synchronous Motor Drives based on Feedback Linearization	Qiongyi Mao, Risha Na, Hong Wang
399	A Fault Diagnosis Method Used for the Three-phase Full-bridge Rectifier Circuit	Chi Cai#, Jingyi Du##, Rui Gao#, Wenhui Liu#
412	Analysis of Sensitivity Field of Electrical Resistance Tomography System	Pai Wang
461	Optimization Control of Large-Capacity High-Speed Flywheel Energy Storage Systems	Huawei Yuan, Xinjian Jiang, Qiunan Wang, Junxian Li

464	Implementation of Permanent-Magnet Synchronous Generator for Applying to a MCT System	Zwe-Lee Gaing, Bang-Fuh Chen, Yao-Yang Hsien
532	Synthesis and characterization of Au/Zirconium phosphate nanoplatelets for catalytic reduction of 4-nitrophenol	Ying-Hao Paia, Tsao-Cheng Huang, Yi-Hsiu Chungb, Mei-Hui Tsaia