

Session A1

	Paper No	Paper Title	Authors
<p style="text-align: center;">July 4 08:30-10:00</p>	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

Session A2

	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

	Paper No	Paper Title	Authors
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

Session A4

	Paper No	Paper Title	Authors
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

Session A5

	Paper No	Paper Title	Authors
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

Session A6

	Paper No	Paper Title	Authors
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

Session A7

	Paper No	Paper Title	Authors
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

Session A8

	Paper No	Paper Title	Authors
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