

Room E1

	Paper No	Paper Title	Authors
June 10 08:30-10:00	455	New Type Of Parallel Deaerations Water Level And Pressure Control	Zhao Jianwen, Zhu Yao and Lei Sun
	457	The Effects of Distributed Generator Accessed to Distribution Network	Baoji Yun, Zhou Fu, Yingli Wang, Yuwei Duan and Zhu Yao
	458	Lightning Protection and Calculation Methods of Transmission Line	Zhouxing Fu, Lingling Huang, Lei Sun, Ruoya Zhang and Nan Wang
	459	Study on Neutral Point Grounding Modes in Medium-voltage Distribution Network	Nan Wang, Zhouxing Fu, Ruoya Zhang and Lingling Huang
	140	Time Series Classification for EEG Eye State Identification based on Incremental Attribute Learning	Ting Wang, Steven Guan, Ka Lok Man and T. O. Ting
	242	Estimation and Revision: A Framework for Maximum Power Point Tracking on Partially Shaded Photovoltaic Arrays	Jieming Ma, Ka Lok Man, T. O. Ting, Nan Zhang, Sheng-Uei Guan and Prudence W. H. Wong
	361	Determine the Permittivity of the Plastic Materials	Eng Gee Lim, Zhao Wang, Mark Paul Leach, Derek Gray, Ka Lok Man, and Nan Zhang

June 10
08:30-10:00

467	A Case study of Kansei Image Survey System Based on Generational Differences	Chen-I Huang and Shing-Sheng Guan
244	Accelerating Parameter Estimation for Photovoltaic Models via Parallel Particle Swarm Optimization	Jieming Ma, Ka Lok Man, T. O. Ting, Nan Zhang, Sheng-Uei Guan and Prudence W. H. Wong
262	Transferability of Generational Theory in a Cross Cultural Context	Yan Sun and Woon Kian Chong
362	A Dynamic Resource Supply Model towards Cyber Physical System (CPS)	Yuji Dong, Kaiyu Wan, and Yong Yue
273	A Single-Stage Grid-Connected PV Micro-Inverter Based on Interleaved Flyback Converter Topology	Ching-Ming Lai
284	A Novel Bidirectional Switched-Capacitor Converter with Selectable Output Voltages	Hsin-Wei Huang, Kuo-Kai Shyu, Kuen-Hu Lai, Ching-Ming Lai, and Tsung-Wu Yeh
256	Analytical and Numerical Investigation on the Magnetic Field of Novel PM Spherical Actuator with Outer Rotor	Liang Yan, Fengqi Liang, Hongjie Hu, Zongxia Jiao, Chin-Yin Chen, and I-Ming Chen
271	TLP Characterization and Leakage-Biasing-Voltage (VLB) Correlations in MOSFET Measurements	Shen-Li Chen and Min-Hua Lee

June 10
08:30-10:00

275	Annealing Treatment Influence on Photoluminescence of the n-GaN Blue LED After a Dry Etching Process	Shen-Li Chen and Chin-Chai Chen
429	Deformation Monitoring of the Underwater Pressure Vessels Using Fiber Bragg Grating Sensor	King-Leung Wong, Chia-Chin Chiang and Shing-Hai Wang
328	Applying Kansei Engineering to Design an Affective Briefing Presentation for the Elders	Pai-Hsun Chen and Shiang-Ru Huang
330	Intelligent Seniors Assisted Briefing Authoring and Presentation System	Pai-Hsun Chen, Ying-Hsin Liang, Tsung-Chi Lin, Yung-Wang Lin, and Yeong-Chin Chen
354	E-tag Plate Application for Dietary Management	Pai-Hsun Chen, Ying-Hsin Liang and Wen-Chih Chou
310	Research on Recognizing Power Cable Fault Based on the ACCLN	Xuebin Qin, Wang Mei, Jzau-Sheng Lin and Xiaowei Li
311	An Novel Image Reconstruction Algorithm for Electrical Capacitance Tomography	Pai Wang, Mei Wang and Jzau-Sheng Lin
246	Monitoring System of Coal Electrical Haulage Shearer Based on Data Fusion Theory	Xianmin Ma and Lan Liang
473	RP Conversion and Air Quality Evaluation	Mei Wang, Liang Wang, Ningbo Xu, Zhouxing Fu

Room E2

	Paper No	Paper Title	Authors
June 10 10:30-12:00	359	Research of Rotating Machinery Fault Diagnosis Based on Fuzzy Neural Network And Information Fusion	Chun-Yu Mao, Guang- Wen Zhou and Yu-Kun Xu
	327	Follower study adaptive fuzzy PID controller	Tian Jia
	332	Four Degrees of Freedom SCARA Robot Modeling and Simulation	Junyi Liu, Fang Jian, and Junling Liu
	334	Heat Station Wireless Remote Monitoring System Design	Li Wei and Fang Jian
	338	Linear quadratic optimal controller design an inverted pendulum	Liu Shuang and Fang Jian
	340	The Path Recognition System Design of the Mobile Robot Based on the Vision Navigation	Rui Zhao and Jian Fang
	366	Multi-Sensors Data Fusion Based on Arduino Board and XBee Module Technology	Wen-Tsai Sung, Jui-Ho Chen, Ching-Li Hsiao and Jia-Syun Lin

June 10
10:30-12:00

367	LED Lighting Control System Design and Research	Wen-Tsai Sung, Jui-Ho Chen, Jia-Syun Lin and Ching-Li Hsiao
368	A Motor Rotary Fault Diagnosis System Using Dynamic Structural Neural Network	Chwan-Lu Tseng, Shun-Yuan Wang, Shou-Chuang Lin, Jen-Hsiang Chou, Ke-Fan Chen and Wen-Tsai Sung
369	Heart Rate Variability Signal Processing for Safety Driving Using Hilbert-Huang Transform	Chih-Ming Hsu, Feng-Li Lian, Cheng-Ming Huang, and Jen-Hsiang Chou
412	A Method of Evaluation for Insider Threat	Yi-Lu Wang and Sang-Chin Yang
162	LDO Linear Regulator with Super-Source Follower	Yi-Tsung Chang, Fu-Lian Hung, Ren-Hao Xue, Yu-Da Shiau and Po-Yu Cheng
245	Low Voltage and Low Power 64-bit Hybrid Adder Design Based on Radix-4 Prefix Tree Structure	Shao-Hui Shieh, Der-Chen Huang and Ying-Yi Chu
364	Design of high efficient freeform secondary lens for uniform LED spot lighting	Nguyen Doan Quoc Anh, Min-Feng Lai, Hsin-Yi Ma and Hsiao-Yi Lee
391	The Study of Low- Glare LED Table Lamp with Asymmetric Secondary Optical Element	Min-Feng Lai, Nguyen Doan Quoc Anh, Hsin-Yi Ma and Hsiao-Yi Lee

June 10
10:30-12:00

24	Thermal Annealing for Improving Gold Nano-particles Charge Trapping Layer Nonvolatile Memory Reliability Applications	Hsin-Chiang You and Yu-Hsien Lin
25	Stability and Reliability for Zinc-Oxide Thin-Film Transistors by O ₂ Plasma Treatment	Hsin-Chiang You, Chao-Yuan Huang, and Ya-Ling Wu
152	HfO ₂ Trap Layer Nonvolatile Flash Memory on SiGe Channel	Yu-Hsein Lin, Hsin-Chiang You, Jyun-Han Li, Wan-Ting Tsai and Jin-Shi Hong
154	Ultra-Low Temperature Flexible Dye-Sensitized Solar Cell	Yu-Hsein Lin, Yung-Chun Wu, Hsin-Chiang You, Yi-He Tsai, Ping-Hua Chen and Bo-Yu Lai
349	Forming-Free ZrO _x -based Electrochemical Metallization ReRAM by Sol-gel Technique	Fun-Tat Chin, Yu-Hsien Lin, Yu-Ping Hsiao, and Wen-Luh Yang
452	An automotive electronic throttle testing equipment Based on STM32	Zheng Chen, Xinfu Liu, Runli Zhang and Hailong Liu
462	An Effective Index for Uncertain Data	Chihwu Chung, Ching-Hung Pan and Chuan-Ming Liu
464	K Nearest Neighbors Queries in Multi-channel Broadcast Environments	Ching-Hung Pan, Yen-Lin Chen and Chuan-Ming Liu
122	Modified Contrast Enhancement Algorithm and Its Hardware Design for Real-time Applications	Jui-Cheng Yen, Hun-Chen Chen, Ray-Shine Run and Chong-Wei Li

Room E3

June 10 13:30-15:00	Paper No	Paper Title	Authors
	209	The Research of Grounding Grid Corrosion Factors Based on Vector Similarity and Fuzzy Techniques	Jingyi Du, Juan Han and Wenhui Liu
	308	Nonlinear Inertia Convergence Classification Model of Online Power	Mei Wang, Yanan Guo, Xiaowei Li, Wei Mo, and Liang Wang
	317	The Application and Control Research of the Intelligent Emulsion Pump Station	Jianwen Zhao, Heng Li, Yingzi Zhang, Wei Tian and Lingling Huang
	324	Fractional-order Differentiate Adaptive Algorithm for Identifying Coal Dust Image Denoising	Wang Zheng and Ma Xianmin
	325	The Simulation of SVPWM Rectifier	Zhaoming Hao, Lei Sun, Zhu Yao, Lingling Huang and Peiqi Fu
	339	The Implementation Scheme of Distance Protection Based on Parameter Identification	Qiutao Cheng and Baoji Yun
	123	Heartbeat Classification Using Normalized RR Intervals and Wavelet Features	Chun-Cheng Lin and Chun-Min Yang

June 10
13:30-15:00

160	Interharmonics Modelling Using DFT and Grouping Methods	Hsiung-Chehg Lin
280	Real-Time Dynamic Hand Gesture Recognition	Hsiang-Yueh Lai and Han-Jheng Lai
446	Mass Detection in Digital Mammograms System Based on PSO Algorithm	Ying-Che Kuo, Wei-Chen Lin, Shih-Chang Hsu and An-Chun Cheng
86	Proposing an E-Learning System for Personalized EFL Vocabulary Learning	Yen-Hui Wang
36	The Selection of Strategic Alliance Partner in Vietnam Garment Industry Using Grey Theory and DEA	Thi-Nham Le, Ying-Fang Huang, and Chia-Nan Wang
81	According to the national cultural differences between foreign labor management system explore establishment In the industry to the Vietnamese labor as an example	Chung Yi-Tzu Chung and Cheng-Ter Ho
90	Developing an Interactive Decision Support System for Sustainable Coastal Tourism of Cijin, Taiwan	Meng-Tsung Lee and Tsung-Fu Lin
155	Carbon Reduction of the Taiwan and China	Chia-Nan Wang, Wen-Chang Lin and Zai-Pu Tao

June 10
13:30-15:00

156	A New Control System of Water Quality for Aquarium Exhibition Tank	Chia-Nan Wang and Wen-Ching Lin
179	Investigating the Academic Trend of Balanced Scorecard from Bibliometric Approach	Ming-Chien Chiu and Eldon Y. Li
83	Application of Webpage Optimization for Clustering System on Search Engine V Google Study	Tsung-Fu Lin and Yan-Ping Chi
85	Using System Dynamics to Integrate Spatial-Temporal Model in Taiwan Coastal Zone	Tsung-Fu Lin and Yan-Ping Chi
30	A Trustworthy Key Generation Prototype based on DDR3 PUF for Wireless Sensor Networks	Wenchao Liu, Zhenhua Zhang, Miaoxin Li and Zhenglin Liu
32	Active Millimeter Wave Imaging for Contraband Detection Indoors	X Shi and M. H. Yang
92	Research on Information Support Technology of Ship Inspection Based on the Case-based Reasoning	Jiyin Cao, Shidong Fan and Wen Lu
472	New Digital Text Watermarking Algorithm Based on New-defined Characters	New Digital Text Watermarking Algorithm Based on New-defined Characters
39	A Design of Control System for Energy Saving and Carbon Reduction	Chia-Nan Wang and Wen-Chang Lin

Room E4

	Paper No	Paper Title	Authors
June 10 15:30-17:00	133	The Influence of Introduction Strategies for Product Upgrades on Consumer Involvement and Purchasing Decisions	Ming-Te Liu and Pi-Chu Wu
	146	Risk Assessment of Building Fire Safety Based on the Extension Theory	Pi-Chu Wu, Meng-Hui Wang and Tze-Chun Lin
	183	An Evaluation Model for Improving the Green Building by Integrating DEMATEL based ANP and VIKOR	Ah-Taur Yan, Mei-Jung Lai and Chiu-Yue Lin
	303	Evaluation of Fire Risk Based on Generalized Regression	Qian Ding, Zhenghong Peng and Qiaohui Tong
	291	A Communication Method for the Remote Real-time Multiple Biological Parameters Monitoring and Analysing System	Wei Chen and Yue Zhang
	27	Sensorless Vector Controlled Induction Motor Drive with Optimization Algorithm Speed Controller Design Strategy	Yung-Chang Luo, Zhi-Sheng Ke, and Ying-Piao Kuo
	28	An Inductor Current Observer Based on Improved EKF for DC/DC Converter	Qiao Zhang, Qiaoling Tong and Huangpeng Zhang

June 10
15:30-17:00

46	Optimal Current Observer for Predictive Current Controlled Buck DC-DC Converter	Min Run, Chen Chen, Zhang Xiao-Dong, and Zou Xue-Cheng
55	AGV System Based on Multi-sensor Information Fusion	Peijiang Yuan, Dongdong Chen, Tianmiao Wang, Fucun Ma, Hengfei Ren, Yuanwei Liu and Huajian Tan
217	Building Fire Alarm System with Multi-sensor and Information Fusion Technology Based on D-S Evidence Theory	Qian Ding, Zhenghong Peng and Qiaohui Tong
288	Design and Implementation of Portable ECG and Body Temperature Monitor	Xudong Sun and Yue Zhang
345	Stabilization Analysis of Sensorless IM Driver Control at Low Speed With Rr Estimator	Wen-Cheng Pu, Yung-Chang Luo and Po-Yan Chu
432	Movement Planning and Simulation for Attitude Adjustment of a Drilling Robot	Chengkun wang, Peijiang Yuan, Tianmiao Wang, Qishen Wang, Dongdong Chen, Ting Lai and Huajian Tan
448	A Sliding Mode Motion Controller Design with Internal Two Degree of Freedom Scheme Compensation	Chiu-Keng Lai
393	Diffuser-aided time-domain diffuse optical imaging	Ching-Cheng Chuang and Chia-Yen Lee

June 10
15:30-17:00

428	Visible Light Absorption Spectroscopy for Rapid Screening of Synovial Fluid	Chao Yuan Yu, Hsing Wen Wang, Chia-Yen Lee, and Chia-Wei Sun
406	A Microsoft Kinect Based Virtual Rehabilitation System	Chien-Ming Tseng, Chung-Liang Lai, D. Erdenetsogt, and Yung-Fu Chen
453	A Study of Patients with Higher Medical Expenses in DRG 124: A Regional Hospital as Case	Chun-Lieh Chen, Chin-Shu Tsuan and Yaw-Jen Lin
465	Survey of Satisfaction and Usefulness for RFID-based Clinical Information System after System Introduction	Hsuan-Hung Lin, Yung-Fu Chen, Ker-Cheng Lin and Chia-Chi Yang
358	Optical single sideband modulation based on Injection-locked Fabry-Perot Laser	W.S. Tsai, Y.L. Chen, H.Y. Shao, W.C. Liou, and H.H. Lu
401	Hybrid Differential Evolution for Static Economic Dispatch	Ji-Pyng Chiou, Chung-Fu Chang and Chao-Ching Wang
402	Research for A New Novel Evolutionary Algorithm	Ji-Pyng Chiou, Chung-Fu Chang and Jyun-Siang Jhang
421	A Drill Signal Detection Technology for Handheld Medical Drilling Device	Michael Mayer, Hsin-Hung Lin, Ying-Hua Peng, Pei-Yuan Lee, and Min-Liang Wang
434	DRAM System Simulation Speed-up by Effective-cycle Prediction	Han-Chien Chiang, Mao-Ying Wang and Cheng-Weng Wu