

Session B1

	Paper No	Paper Title	Authors
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

Session B2

	Paper No	Paper Title	Authors
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

Session B3

	Paper No	Paper Title	Authors
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

Session B4

	Paper No	Paper Title	Authors
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

Session B5

July 5 08:30-10:00	Paper No	Paper Title	Authors
	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

Session B6

	Paper No	Paper Title	Authors
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

Session B7

	Paper No	Paper Title	Authors
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

Session B8

	Paper No	Paper Title	Authors
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