

# Room C1

	Paper No	Paper Title	Authors
<b>June 10</b> <b>08:30-10:00</b>	233	Fast Estimation of State of Charge for Lithium-ion Battery	Hung-Cheng Chen, Shuo-Rong Chou, Hong-Chou Chen, Shing-Lih Wu and Liang-Rui Chen
	247	A 200W MPPT Boost Converter for BIPV Applications with Integrated Controller	Yi-Hsiang Wang, Wen-Chuen Liu and Tai-Haur Kuo
	253	An Approach to Calculating Rainfall for Each Transmission Tower in Geographic Information System	Teng-Shih Tsai and Leehter Yao
	293	Multi-Objective Optimal Design of Single-Phase Grid Connected System Based on Multiple Performance Characteristics Index Method	Jian-Long Kuo and Jhih-Sheng Fang
	426	Hierarchical Communication Network Architectures for Offshore Wind Power Farms	Mohamed A. Ahmed and Young-Chon Kim
	205	Switching-Mode Battery Test System	Yang Chao-Hua, Lo Hsiang-Sheng and Chui Hsiang-Pin

## Room C2

	Paper No	Paper Title	Authors
June 10 10:30-12:00	49	Application of Intelligent Sun Tracking System with Fuzzy Chip Controller	Cong-Hui Huang, Ming-Rong Lee, Bo-Ren Shi, Feng-Zheng Cai, Ren Kang and Ming-Han Hsieh
	175	Self-Power Digital Pipe Flow Metering	Wang Hao and Ronald Garcia
	176	Energy Efficient Lathe Turret Design Using Load Sensing Control Scheme	Jyh-Chyang Renn, Wen-Jen Hsu and Wei-Cheng Liao
	216	Energy Conversion for Food manufacturing Extrusion Process of Micropolar Fluid Flow with Physical Multimedia Features	Kai-Long Hsiao, I-Hua Lin and Borming Lee
	220	Design and Evaluation of Photovoltaic/Thermal-Assisted Heat Pump Water Heating System	Huan-Liang Tsai, Chieh-Yen Hsu and Bo-Zhi Lin

## Room C3

	Paper No	Paper Title	Authors
June 10 13:30-15:00	99	A Novel Deep-sea Image Enhancement Method	Yujie Li, Huimin Lu, and Seiichi Serikawa
	265	Robust Sensing of Approaching Vehicles Relying on Acoustic Cue	Mitsunori Mizumachi, Atsunobu Kaminuma, Nobutaka Ono and Shigeru Ando
	119	An Insight into Campus Network User Behavior Analysis Decision System	Xiaobing Xian, Feng Chen, and Jiania Wang
	101	Proposal a Vehicle Speed Measuring System Using Image Processing	Yuji Goda, Lifeng Zhang Seiichi Serikawa
	100	An Implementation of Document Image Reconstruction System on Smart Device	Lifeng Zhang, Qian Fan, Yujie Li, Yousuke Uchimura and Seiichi Serikawa

# Room C4

	Paper No	Paper Title	Authors
June 10 15:30-17:00	264	A RFID-enabled Wireless Sensor Network (WSN) Monitoring System for Biological and Pharmaceutical Products	C.K. Ng, C.H. Wu, Lixing Wang, W.H. Ip, and J. Zhang
	104	Slit type One-dimensional Brightness Distribution Sensor	Shota Nakashima, Shenglin Mu, Shintaro Okabe, Tatsuya Ichikawa, Kanya Tanaka, Yuhki Kitazono, and Seiichi Serikawa
	105	Intelligent PID Control for USM Using PSO in Real-time Environment	Shenglin Mu, Kanya Tanaka, and Shota Nakashima
	213	Restoration of Highly Impulses Corrupted Color Image by Local Entropy Measure	Bing You
	374	A Novel Underwater Scene Reconstruction Method	Huimin Lu and Seiichi Serikawa

## Room C5

	Paper No	Paper Title	Authors
June 11 08:30-10:00	35	Dynamic Channel Selection and Reassignment for Cellular Mobile System	Shih-Cheng Horng and Shieh-Shing Lin
	150	Cooperative Spectrum Sensing Schemes with the Interference Constraint in Cognitive Radio Networks	Tri-Nhu Do and Beongku An
	157	A Stability-based Spectrum-aware Routing Protocol in Mobile Cognitive Radio Ad-hoc Networks	Le The Dung and Beongku An
	173	Material Selection of LTCC based Microstrip Patch Antenna Substrate using Ashby's Approach	Navneet Gupta
	185	Novel Nonlinear Companding Transform for Reduced Peak-to-Average Power Ratio in OFDM	Kasun Bandara, Samrat Tiwari, and Yeon-Ho Chung
	188	Design of Low Power UWB CMOS LNA Based on Common Source Inductor	Meng-Ting Hsu, Yu-Chang Hsieh and Wei-Lun Huang

## Room C6

	Paper No	Paper Title	Authors
June 11 10:30-12:00	231	A Lattice-Reduction Aided Max-Log List Demapper for Iterative Coded MIMO Receiver	Tung-Jung Hsieh, Wern-Ho Sheen, Sin-Horng Chen and Jen-Yuan Hsu
	268	IKEv2 authentication exchange model in NS-2	Mohamed Kasraoui, Adnane Cabani, and Houcine Chafouk
	341	Integrated Cross-correlation and Genetic Algorithm to Improve TDOA-based Locating System in Preventing Radio Interference	Yao Tang Chang, Chi Lin Wu, Hsu Chih Cheng and Chung Wei Tsai Lin
	399	A Layer-Ring Formation Algorithm for Bluetooth Multi-Hop Networks	Chih-Min Yu, Yih-Bin Yu and Wei-Shin Chen
	405	On the Analysis of Network Connectivity in Cognitive Radio Ad-hoc Networks	Le The Dung and Beongku An

## Room C7

	Paper No	Paper Title	Authors
June 11 13:30-15:00	38	Enhancing the Accurate of Grey Prediction for GDP Growth Rate in Vietnam	Chia- Nan Wang and Van- Thanh Phan
	79	Modeling and Simulation of Autonomous Control PMSG Wind Turbine	Chia-Nan Wang, Xuan-Khoa Le and Wen-Chang Lin
	82	A Research Growth of Tourism Innovation from Bibliometric Perspective	Sou-Chein Wu and Eldon Y. Li
	34	Exploring the Effects of Servicescape, Brand Image, and Experiential Marketing on Customer Satisfaction.	Hao-Te Lu and Man-Chun Lien
	270	Web Base Android Application Development System	Wen-Pinn Fang, Sheng-Hsuan Lu, Ming-Hao Liu, Ting-Hung Lai, Shan-Chun Hung, Yin-Feng Huang and Chii-Jen Chen

## Room C8

	Paper No	Paper Title	Authors
June 11 15:30-17:00	203	RFID-Based Thermal Convection Inclinator Made Directly on Flexible Substrate	Jium-Ming Lin and Cheng-Hung Lin
	277	Equivalent Energized Coil Model for Magnetic Field of PM Spherical Actuator	Liang Yan, Zewu Wu and Zongxia Jiao
	375	Photo-Current Improvement of Dye Sensitized Solar Cells Using Taguchi Method	Yeong-Lin Lai and Yu-Ren Chen
	386	A Novel RFID Sensing System for Battery Exchange Stations	Yeong-Lin Lai, Li-Chih Chang, Tai-Hwa Liu, Yi-Chun Sung and Cheng-Lun Yin
	390	An RFID Near-Field Sensor	Yeong-Lin Lai, Li-Chih Chang, Tai-Hwa Liu and Yi-Chun Sung