

# Room A1

	Paper No	Paper Title	Authors
June 10 08:30-10:00	16	A Web services-based and Ontology-supported Case-Based Reasoning Information Agent	Sheng-Yuan Yang
	17	An Architecture for Cloud-based Consumer Support Software-as-a-Service	Jenperng Yu and Jyhjong Lin
	20	A Tool-Supported Method for Effective Software Development Process Management	Jyhjong Lin, Chaoyu Lin and Wei-Pang Yang
	23	The Verification and Validation of a Large-Scale System: Equipment TaaS as an Example	Jhen-Jia Hu
	48	Design and Application of ZigBee Wireless Techniques for an Intelligent House Lighting Control System	Cong-Hui Huang, Yih-Feng Su, Yu-Tang Su, Wei-Hao Su, Jun-Jie Chen and Wei-Jie Zhou
	51	A Distributed Air Index based on MaxBR over Grid-Cells for Wirelelss Non-flat Spatial Data Broadcast	Seokjin Im and Jintak Choi

## Room A2

	Paper No	Paper Title	Authors
<b>June 10</b> <b>10:30-12:00</b>	73	An Ontology based Recommendation Mechanism for Lighting System Design	Chih-Jian Hu, Chung-Chih Cheng, Hsiao-Yuan Wu and Nien-Tzu Chao
	91	Computation of Control Related States of Middle k-th Order System (with a nonsharing resource place) of Petri Nets	Daniel Yuh Chao, Tsung Hsien Yu and Ta Yu Chen
	125	Scanning Files for Signatures with a MapReduce System on Cloud Computing	Tzu-Chi Huang, Kuo-Chih Chu, Ce-Kuen Shieh, Chui-Ming Chiu and Sheng-Wei Huang
	141	An Optimal Buffer Control Algorithm to Maximize Profit in Cloud Computing	Yen-Chieh Ouyang and Chiang Yiju
	186	Valuating Interest Sensitive Annuities and Life Insurances Under the FinancialCloud Architecture	William Hsu, Yi-Wen Wu and Jan-Ming Ho
	200	Oil Price Forecasting with Hierarchical Multiple Kernel Machines	Shian-Chang Huang and Lung-Fu Chang

## Room A3

	Paper No	Paper Title	Authors
June 10 13:30-15:00	211	Active Disaster Response System for Smart Buildings	Edward Chu, Chun-Yen Lin, Lun-Wei Ku and Jane W. S. Liu
	218	A Big Data Framework for u-Healthcare Systems Utilizing Vital Signs	Tae-Woong Kim, Kwang-Ho Park, Sang-Hoon Yi and Hee-Cheol Kim
	124	An Automatic Indirect Immunofluorescence Cell Segmentation System	Der-Chen Huang, Rong-Tai Chen, Kuo-Ching Liu, Yung-Kuan Chan and Xiaoyi Jiang
	260	An Adaptive Color Image Watermarking Using Wavelet-tree Structure	Yu-Tang Chen, Chung-Yen Su and Yen-Lin Chen
	272	A Novel Multi-Link Failure Isolation with Adjustable Fault Diagnostic Capability on All Optical Networks	Szu-Pei Lu and Chi-Shih Chao

## Room A4

	Paper No	Paper Title	Authors
June 10 15:30-17:00	299	Winning Prediction in WoW Strategy Game Using Evolutionary Learning	Tain-Lain Chuang, Shao-Shin Hung, Chiu-Jung Hsu, Derchian Tsaih, and Jyh-Jong Tsay
	301	Parallelizing Fully Homomorphic Encryption	Ryan Hayward and Chia-Chu Chiang
	413	Designing and Implementing a Real-Time Speech Summarizer System	Ding-Yuan Cheng, Chi-Hua Chen, Yu-Rou Wu, Chi-Chun Lo, and Hui-Fei Lin
	167	A Study on the Values of Design Industry from the Perspectives of Consumers' Perceived Quality, Perceived Risks and Willingness to Pay by Citing Examples from Accessory Design	Pi-Chuan Sun, Huei-Shan Lee and Tzong-Shyuan Chen
	438	A New Replacement Strategy for Genetic Algorithm and Computational Experiments	Yongzhong Wu, Jiangwen Liu, and Cui Peng

## Room A5

	Paper No	Paper Title	Authors
June 11 08:30-10:00	232	Design Trend of Graphical User Interface	Eva Chang, Ming-Tang Wang, Rain Chen, Su-Ping Tan and Sung-Yun Shen
	392	Processing KNN Queries in Grid-based Sensor Networks	Yuan-Ko Huang and Chun-Hsing Su
	451	Incremental Neural Network Construction for Text Classification	Jenq-Haur Wang and Hsin-Yang Wang
	329	Implementing quality monitoring and management platform for a long-term care facility using wireless technology for the weight measurement module	Pai-Hsun Chen, Ying-Hsin Liang, and Tsung-Chi Lin
	355	Using e-Plate to Implement a Custom Dietary Management System	Pai-Hsun Chen, Ying-Hsin Liang, and Tsung-Chi Lin
	356	Internet Browser Interface Design Suitable for the Elderly to Use	Pai-Hsun Chen, Tsung-Chi Lin, and Ying-Hsin Liang

# Room A6

	Paper No	Paper Title	Authors
June 11 10:30-12:00	63	Retailoring for Fast, On-the-Fly Trace Generation for NoC Design Space Exploitation	Yu-Chi Chang, Yoshi Shih-Chieh Huang, Tsung-Chan Tsai, Yuan-Ying Chang, Chung-Ta King and Juin-Ming Lu
	129	A 10-GHz Low Power CMOS Voltage Controlled Oscillator Chip Design for Wireless Application	Wen-Cheng Lai, Jhin-Fang Huang, Chien-Ming Hsu and Wang-Tyng Lay
	298	Ionizing Radiation Sensor by Using N2 Implanted MONOS Device	Wen Ching Hsieh and Shich-Chuan Wu
	398	A Scaled Up Dot Product Processor for Searching	Amitava Biswas
	427	High-availability Tele-homecare System Design Approached with SoC Platform	Shih-Kao Tai, Kuang-Hao Lin and Jan-Dong Tseng
	436	Implementation of a Low-Power Folded-Cascode RF Front-End for LTE Receivers	Kuang-Hao Lin, Tai-Hsuan Yang and Chen-Wei Hsu

## Room A7

	Paper No	Paper Title	Authors
June 11 13:30-15:00	66	Contrast Enhancement in Palm Bone Image Using Quad-Histogram Equalization	Yung-Tseng Chang, Jen-Tse Wang, Wang-Hsai Yang, and Xiang-Wei Chen
	67	Hamming Code Based Watermarking Scheme for 3D Model Verification	Jen-Tse Wang, Yi-Ching Chang, Shyr-Shen Yu, and Chun-Yuan Yu
	76	Error Detecting Code Based Fragile Watermarking Scheme for 3D Models	Jen-Tse Wang, Chen-Ming Fan, Cheng-Chih Huang, and Chu-Chuan Li
	441	A GPU-based parallel computing framework for accelerating the reconstruction of q-ball imaging	Hong-Che Lai, Chun-Hung Yeh, Kuan-Hung Cho, Ching-Po Lin, Chia-Yen Lee and Yi-Ping Chao

## Room A8

	Paper No	Paper Title	Authors
June 11 15:30-17:00	228	Real-Time Strategy Generation System using Case-based Reasoning	Wonil Kim, Changhee Han, Chuleui Hong, Hunkee Kim and Junghyun Kim
	278	The Tracking Framework for Lobe Fissure based on the Modified Ant Colony Optimization Algorithm	Chii-Jen Chen, You-Wei Wang, Wei-Chih Shen, Chih-Yi Chen and Wen-Pinn Fang
	347	Reagents and Consumables Management and Demand Decision Support System	Tzu-Chuen Lu, Shih-Chieh Lai and Chun-Ya Tseng
	178	A Novel Offspring Selection Strategy in GAs for Protein Structure Prediction	Shih-Chieh Su and Jyh-Jong Tsay
	304	An App for promoting health and local tourism	Chien-Lei Chao, Ker-Cheng Lin, Chien-Ming Tseng, Tungalag Erdene and Yung-Fu Chen
	461	Design of a Clinical Decision Support Model for Predicting Pneumonia Readmission	Jhih-Siou Huang, Yung-Fu Chen, and Jiin-Chyr Hsu



## Room A9

	Paper No	Paper Title	Authors
June 12 08:30-10:00	116	A Systematic Method for Selecting Critical Product Form Features Regarding Consumers' Image Perceptions	Hung-Yuan Chen, Yu-Ming Chang, and Chih-Chieh Yang
	131	A Steganographic Method for Binary Embedding Using Time-Varying Convolutional Codes	Chi-Yuan Lin, Kai-Ren Chen, and Jyun-Jie Wang
	136	Effective Motor's Quality Types Determination on Motor's Current Waveforms Using the Euclidean Distance Measurement Method	Lih-Chii Lin, Yun-Chi Yeh and You-Wei Song
	158	Comparison of Delta-type Discrete Singular Convolution Kernels for Anti-noise Edge Detection	Ssu-Han Chen
	170	IIR All-Pass Filter Design Based on Neural Learning Algorithm	Li-Woei Chen, Jian-Kai Huang, Yue-Dar Jou and Shu-Sheng Hao

# Room A10

	Paper No	Paper Title	Authors
June 12 10:30-12:00	60	A Disciplinary Framework to Study User Acceptance of Innovative Technologies	Hee-Cheol Kim
	149	Novel Light-Emitting-Diode Dimming Approach Based on Cloud Computing for Protected Cultivation	Chung-Liang Chang, Kuang-Pi Chang and Gong-Bo Song
	174	Design of a Counter-Based DPWM Using RC Charge	Hsin-Chuan Chen
	189	Programming of the Fire Escaping Paths Using Bayesian Estimated Algorithm	J.H. Guo, K.L. Su, and B.Y. Li
	204	Development of a High-Pressure Injector Driving Circuit for Controlling the Air-Fuel Ratio of GDI Engines	Wen-Chang Tsai