



iCAST 2017 Conference Program

Day One (Wednesday, November 8, 2017)	
Time	Event
08:45 – 16:00	Registration Hall, 13F
09:10 – 10:25	Welcome Session Keynote Speech I: Big data, non-big data, and algorithms for recognizing the real world data Prof. Ryuichi Oka The Grand Ballroom II, 13F
10:25 – 10:40	Tea/Coffee Break
10:40 – 11:40	Panel Discussion The Grand Ballroom II, 13F
10:40 – 12:10	Regular Session-01 (Session Chair: Prof. Goutam Chakraborty) Room A, 14F
	Regular Session-02 (Session Chair: Prof. Isti Surjandari) Room B, 14F
	Special Session-01 (Session Chair: Prof. Rung-Ching Chen) Room C, 14F
12:10 – 13:45	Lunch
13:45 – 15:00	Keynote Speech II: Facial analysis on wild data Dr. Hui Yu The Grand Ballroom II, 13F
15:00 – 15:15	Tea/Coffee Break
15:15 – 16:45	Regular Session-03 (Session Chair: Prof. Basabi Chakraborty) Room A, 14F
	Special Session-02 (Session Chair: Prof. Bin Dai) Room B, 14F
	Special Session-03 (Session Chair: Prof. Chung-Huang Huang) Room C, 14F



Day Two (Thursday, November 9, 2017)	
Time	Event
08:45 – 16:00	Registration Hall, 13F
09:10 – 10:25	Keynote Speech III: Generative and Discriminative Learnings: A Fuzzy Restricted Boltzmann Machine and a Novel Broad Learning System Prof. C. L. Philip Chen The Grand Ballroom II, 13F
10:25 – 10:40	Tea/Coffee Break
10:40 – 11:55	Keynote Speech IV: Multimedia Signal Processing and Its Applications to Vintage Film Repair and Surveillance Distinguished Research Fellow H. Y. Mark Liao The Grand Ballroom II, 13F
10:40 – 12:10	Regular Session-04 (Session Chair: Prof. Fu-Shiung Hsieh) Room A, 14F
	Regular Session-05 (Session Chair: Prof. Isti Surjandari) Room B, 14F
	Special Session-04 (Session Chair: Prof. Ying Chieh Liu) Room C, 14F
12:10 – 13:45	Lunch
13:45 – 15:15	Regular Session-06 (Session Chair: Prof. Yung-Fa Huang) Room A, 14F
	Regular Session-07 (Session Chair: Prof. Shih-Hung Wu) Room B, 14F
	Special Session-05 (Session Chair: Prof. Ching-Chuan Wei) Room C, 14F
15:15 – 15:30	Tea/Coffee Break
15:30 – 17:00	Regular Session-08 (Session Chair: Prof. Hung-Yu Chien) Room A, 14F
	Special Session-06 (Session Chair: Prof. Yoshitaka Shibata) Room B, 14F
	Special Session-08 (Session Chair: Prof. Ja-Hwung Su) Room C, 14F
18:00 – 20:00	Banquet The Grand Ballroom III, 13F



Day Three (Friday, November 10, 2017)	
Time	Event
08:45 – 10:00	Registration Aisle, 14F
08:45 – 10:15	Regular Session-09 (Session Chair: Prof. Jiun-Jian Liaw) Room A, 14F
	Regular Session-10 (Session Chair: Prof. Long-Sheng Chen) Room B, 14F
	Special Session-07 (Session Chair: Prof. Chiun-Li Chin) Room C, 14F
10:15 – 10:30	Tea/Coffee Break
10:30 – 12:00	Regular Session-11 (Session Chair: Prof. Shih-Cheng Horng) Room A, 14F
	Regular Session-12 (Session Chair: Atthapol Ngaopitakkul) Room B, 14F
	Special Session-09 (Session Chair: Prof. Jiashen Teh) Room C, 14F
12:00 –	The End of the Conference



Day One (Wednesday, November 8, 2017) (10:40 – 12:10)

Regular Session-01 Room A (Awareness Science)

Session Chair: Prof. Goutam Chakraborty

Paper ID	Title	Authors
1007	EEG-based Emotion Recognition Using Nonlinear Feature	Jingjing Tong, Shuang Liu, Yufeng Ke, Bin Gu, Feng He, Baikun Wan, Dong Ming
1027	Comparison Between Illumination Normalization Method Wavelet Transform and Homomorphic Filtering for Face Recognition	Shih-Jui Yang, Hsuan-Yu Tseng
1060	Probes Minimization Still Maintaining High Accuracy to Classify Target Stimuli P300	Weilun Wang, Goutam Chakraborty
1063	An Approach to Mental Image Based Understanding of Natural Language	Rojanee Khummongkol, Masao Yokota
1089	Design of a Method to Support Twitter based Event Detection with Heterogeneous Data Resources	Koichi Sato, Junbo Wang, Zixue Cheng
1158	A Hybrid approach for Optimal Feature Subset Selection with Evolutionary Algorithms	Atsushi Kawamura, Basabi Chakraborty

Regular Session-02 Room B (Awareness Related Applications)

Session Chair: Prof. Isti Surjandari

Paper ID	Title	Authors
1022	Reconfiguring Oil Distribution Route Using Graph Partitioning and Graph Optimization	Enrico Laoh, Isti Surjandari, Zulkarnain
1023	Fixed Broadband Customer Area Mapping Using Spatial Analysis	Isti Surjandari, Asma Rosyidah
1087	An Source-based Common Spatial Filter Selection for Improving Mis-triggering Problem in Brain-computer Interface Based on Motor Imagery	Lichao Xu, Jiapeng Xu, Kun Wang, Zhongpeng Wang, Minpeng Xu, Feng He, Dong Ming, Hongzhi Qi
1130	Improving the Performance of Lossless Reversible Steganography via Data Sharing	Jia-Wei Liu, Tzu-Chuen Lu, Qiangfu Zhao
1052	Improve the Problem of Insufficient Bandwidth and Path Congestion in the Cloud Computing Environment by Using Self-Adjustment Scheduler	Rong-Chung Chen, Wei-Xiu Hong
1059	Comparison of Camera Configuration for Real-time Drone Route Planning in 3D Building Maze	Yuichi Yaguchi, Keisuke Moriuchi, Keigo Anna

Special Session-01 Room C (Pattern Analysis for Context Awareness, PACA)

Session Chair: Prof. Rung-Ching Chen

Paper ID	Title	Authors
1042	Fast and Robust K-means Clustering via Feature Learning on High-dimensional Data	Xiao-dong Wang, Rung-Ching Chen, Fei Yan
1129	Wearable Device-Based Heart Rate Classification via Cluster Analysis	Ming-Chia Chen, Qiangfu Zhao, Rung-Ching Chen
1157	Effect of Dynamic Feature for Human Activity Recognition using Smartphone Sensors	Kotaro Nakano, Basabi Chakraborty
1159	Single Image Super-Resolution via Multi-Scale Fusion Convolutional Neural Network	Xiaofeng Du, Yifan He, Jianmi Li, Xiaozhu Xie



Day One (Wednesday, November 8, 2017) (15:15 – 16:45)

Regular Session-03 Room A (Awareness Related Applications & The others)

Session Chair: Prof. Basabi Chakraborty

Paper ID	Title	Authors
1018	A Multi-layer System for Smart-Buildings' Functional and Energy-Efficiency Awareness	Roozbeh Sadeghian Broujeny, Kurosh Madani, Abdennasser Chebira, Laurent Hurtard
1044	Embedding of MRC in TM to Increase the Security for IoT Technologies	Joy Iong-Zong Chen, Den Ji Chuang
1116	Medical Image Denoising using Sparse Representations	Fatma S. Abousaleh, Neng-Hao Yu, Kai-Lung Hua, Wen-Huang Cheng
1118	The Effects of Cognitive Parallel Task with varying Memory Load on Motor Imagery BCI	Bin Gu ,Long Chen, Yufeng Ke, Shuang Liu, Jiabei Tang, Zhongpeng Wang, Yijie Zhou, Haiqing Yu, Dong Ming
1080	Stock Market Analysis from Twitter and News Based on Streaming Big Data Infrastructure	Chungho Lee, Incheon Paik
1083	Survey of EEG-Based Biometric Authentication	Isuru Jayarathne, Michael Cohen, Senaka Amarakeerthi

Special Session-02 Room B (The Intelligent Applications of Data Analysis for Context Awareness, IADACA)

Session Chair: Prof. Bin Dai

Paper ID	Title	Authors
1110	Priority-based Application Level Multicast for Distributed Interactive Applications based on Distance	Ren Chen, Gui Sen Li, Bin Dai, Shun-Zhi Zhu
1112	A Safety Driving Assistance System by Integrating In-Vehicle Dynamics and Real-Time Traffic Information	Yi-Cheng Tsai, Wei-Hsun Lee, Chien-Ming Chou
1124	Predicting Passenger Flow using Different Influence Factors for Taipei MRT System	Yi Chen Shiao, Lijuan Liu, Qiangfu Zhao, Rung Ching Chen
1125	Temperature Control with Fuzzy Neural Network	Bin Dai, Ren Chen, Rung-Ching Chen

Special Session-03 Room C (Awareness Technology and Application, Decision Making in Business Management and Industry, ATADMBMI)

Session Chair: Prof. Chung-Huang Huang

Paper ID	Title	Authors
1046	Application of Simultaneous Importance-Performance Analysis to Evaluate Customer Loyalty towards Corporation: A Case Study of Direct Selling Company S	Kuo-Ching Chiou, Hsiu-Hui Su, Yu-Ying Hsieh, Chung-Han Tien
1076	The Application of Evolutionary Approach for Stock Trend Awareness	Yi-Chi Tsai, Cheng-Yih Hong
1092	A Dynamic Industry-related Analysis on Investment, Energy Consumption and CO ₂ Emissions	Chung-Huang Huang, Cheng-Yih Hong, Jian-Fa Li
1095	Perception of Patterns and Trends in Financial Markets Using Polar Graph and Contour Mapping	Tsung-Nan Chou
1149	The Minimizing Prediction Error on Corporate Financial Distress Forecasting Model: An Application of Dynamic Distress Threshold Value	Kuo-Ching Chiou, Ming-Min Lo, Guo-Wei Wu



Day Two (Thursday, November 9, 2017) (10:40 – 12:10)

Regular Session-04 Room A (Awareness Science)

Session Chair: Prof. Fu-Shiung Hsieh

Paper ID	Title	Authors
1096	An Automated Early Ischemic Stroke Detection System using CNN Deep Learning Algorithm	Chiun-Li Chin, Bing-Jhang Lin, Guei-Ru Wu, Tzu-Chieh Weng, Cheng-Shiun Yang, Rui-Cih Su, Yu-Jen Pan
1097	Implement Human-Robot Interaction via Robot's Emotion Model	Wen-Feng Shih, Keitaro Naruse, Shih-Hung Wu
1102	Context-Generation for Workflows in IoT-Enabled Cyber-Physical Systems	Fu-Shiung Hsieh
1088	Facial Wrinkle Detection with Texture Feature	Chiun-Li Chin, Ho-Feng Chen, Bing-Jhang Lin, Ming-Chieh Chi, Wei-En Chen, Zih-Yi Yang
1005	Maximizing the Payload of the Octagon-Shaped Shell-based Data Hiding Scheme	Hui-Shih Leng, Hsien-Wen Tseng

Regular Session-05 Room B (Awareness Related Applications)

Session Chair: Prof. Isti Surjandari

Paper ID	Title	Authors
1020	Managing Self-Congruity across Gender in Organic Food Contexts	Tsai-Fa Yen
1126	Hidden Content Quality Aware Stego-Image Hiding Method using Re-Encoding Strategy	Yu-Ching Lu, Goutam Chakraborty, Tzu-Chuen Lu
1085	Automatic Polyp Recognition from Colonoscopy Images Based on Bag of Visual Words	Zhe Guo, Yu Wang, Yanghua Shen, Xin Zhu, Daiki Nemoto, Daisuke Takayanagi, Masoto Aizawa, Noriyuki Isohata, Kenichi Utano, Kensuke Kumamoto, Shungo Endo, Kazutomo Togashi
1024	Spatio-Temporal Analysis of Fixed Broadband Customer Acquisition	Asma Rosyidah, Isti Surjandari
1025	Mining Online Reviews in Indonesia's Priority Tourist Destinations Using Sentiment Analysis and Text Summarization Approach	Puteri Prameswari, Zulkarnain, Isti Surjandari, Enrico Laoh
1026	Extending Depth of Field in Noisy Light Field Photography	Shih-Shuo Tung, Hao-Chiang Shao, Wen-Liang Hwang

Special Session-04 Room C (Internet Life, IF)

Session Chair: Prof. Ying Chieh Liu

Paper ID	Title	Authors
1006	Analysis of User Feedback in The Mobile App Store Using Text Mining: A Case Study of Google Fit	Yi-Horng Lai, Fen-Fen Huang, Piao-Yi Chiou
1031	Developing Volunteer Management System with Java EE Technology	Hung-Yi Chen, Yueh-Chin Chen, Hwei-Ling Li, Hsiao-Chun Wu
1032	Online Apparel shopping Behavior: Effects of Consumer Information Search on Purchase Decision Making in the Digital Age	Yueh-Chin Chen, Yen-His Lee, Hsiao-Chun Wu, Yu-Chin Sung, Hung-Yi Chen
1035	Measuring Student Mental Readiness for Flipped Blended Learning: Scale Development and Validation	Xiaodan Zhou, Ling-Hsiu Chen, Rung-Ching Chen
1104	Exploring the Motivations of Social Commerce: A Perspective of Consumer Shopping Value	Hsiu-Chia Ko, Jia-Hui Chang



Day Two (Thursday, November 9, 2017) (13:45 – 15:15)

Regular Session-06 Room A (Awareness Related Applications)

Session Chair: Prof. Yung-Fa Huang

Paper ID	Title	Authors
1033	Neural Network Based System for Detecting and Diagnosing Faults in Steam Turbine of Thermal Power Plant	Arian Dhini, Benyamin Kusumoputro, Isti Surjandari
1034	Consumer Behaviour Analysis Using Speaker-Listener Label Propagation Algorithm (SLPA)	Anggita Larasati, Isti Surjandari
1041	An Efficient Algorithm For Web Service Selection Based On Local Selection in Large Scale	Sheng Zhang, Incheon Paik
1113	Using Conceptual Framework for Target Tracking Based on Wireless Sensor Networks	Ho-Lung Hung, Yung-Fa Huang
1133	Performance Evaluation of The Universal Filtered Multi-Carrier Communications Under Various Multipath Fading Propagation Conditions	Hsuan-Fu Wang, Yung-Fa Huang

Regular Session-07 Room B (The others)

Session Chair: Prof. Shih-Hung Wu

Paper ID	Title	Authors
1082	A Simplified Method for Improving the Performance of Product Recommendation with Sparse Data	Li-Hua Li, Fu-Ming Lee, Bo-Liang Chen, Shin-Fu Chen
1144	Based on ARM Wireless Intelligent Control System for Vital-Sign Monitoring	Zhang Lin, Lin Xu, Fuquan Zhang
1145	Hardware Implementation of Double Basis Multiplier Using TMVP Approach over $GF(2^m)$	Shu-Xia Dong, Jeng-Shyang Pan, Chun-Sheng Yang, Chiou-Yng Lee
1146	An Efficient FPGA-Based Accelerator Design for Convolution	Peng-Fei Song, Jeng-Shyang Pan, Chun-Sheng Yang, Chiou-Yng Lee
1147	Research on Face Recognition Method Based on Deep Learning in Natural Environment	JiaLi Yan, Longfei Zhang, YuFeng Wu, Penghui Guo, Fuquan Zhang, Shuo Tang, Gangyi Ding, Lin Xu
1148	Transitioning Conditional Probability to Discriminative Classifier over Inductive Reasoning	Peng Mei, Fuquan Zhang, Lin Xu, Hongyong Leng, Lei Chen, Guo Liu

Special Session-05 Room C (Advanced Communication Technologies and their Applications to Intelligent Information Systems and Sensor Networks, ACTAIS)

Session Chair: Prof. Ching-Chuan Wei

Paper ID	Title	Authors
1021	Implementation on Back Propagation Neural Network to Area Positioning Systems in Wireless Sensor Networks	Chia-Hsin Cheng, Yeong-Long Shiue, Hsiang-Chih Hsu, Kuan-Hsien Lu, Tao-Ping Wang
1039	A Survey of the Distribution of Tea in Taiwan by the Well-Known Social Network	Chi-Yueh Hsu, Jong-Shin Chen, Kuan-Chuan Tao, Bo-Jun He, Han Guo Ciang
1073	An Improved Task Scheduling and Load Balancing Algorithm under the Heterogeneous Cloud Computing Network	Mao-Lun Chiang, Hui-Ching Hsieh, Wen-Chung Tsai, Ming-Ching Ke
1084	The Implementation of Multi-Path Delivery for Data Flows Using Raspberry Pi Boards in Software-Defined Networks	Chuan-Bi Lin, Te-Chu Hu, Hsiang-Yu Chan



Day Two (Thursday, November 9, 2017) (15:30 – 17:00)

Regular Session-08 Room A (Awareness Related Applications)

Session Chair: Prof. Hung-Yu Chien

Paper ID	Title	Authors
1066	IoT-based Green House System with Splunk Data Analysis	Yi-Jui Chen, Hung-Yu Chien
1067	Establishing the Application of Personal Healthcare Service System for Cancer Patients	Yueh-Hsun Shih, Chia-Hung Hsiao, Woei-Chyn Chu
1070	Objective Haze Removal Assessment Based on Two-Objective Optimization	Cheng-Hsiung Hsieh, Shih-Cheng Horng, Zen-Jun Huang, Qiangfu Zhao
1098	Exemplar-Based Video Inpainting Approach Using Temporal Relationship of Consecutive Frames	Kuo-Lung Hung, Shih-che Lai
1100	Deep Learning based Personality Recognition from Facebook Status Updates	Jianguo Yu, Konstantin Markov
1109	A User Aware Interface for Seclusion Rooms	Cédric Bornand, Alexia Stantzos, Angelika Güsewell, Emilie Bovet, Gilles Bangerter, Goutam Chakraborty

Special Session-06 Room B (Disaster Awareness Communication Networks, Systems, and Applications, DiANA)

Session Chair: Prof. Yoshitaka Shibata

Paper ID	Title	Authors
1045	Implementations of Data Triage Methods for DTN based Disaster Information Networks	Noriki Uchida, Takahiro Shingai, Takato Shigetome, Yoshitaka Shibata
1069	Disaster State Information Management GIS System based on Tiled Display Environment	Akira Sakuraba, Yoshitaka Shibata
1074	Analysis of Information Registration Behavior to Safety Confirmation System in University	Hiroaki YUZE, Shinichi NABETA, Muneomi SAGARA
1139	Mobile Cloud Computing Usage for Onboard Vehicle Servers in Collecting Disaster Data Information	Masaki Otomo, Koji Hashimoto, Noriki Uchida, Yoshitaka Shibata
1156	V2X Communication System for Sharing Road Alert Information Using Cognitive Network	Kenta Ito, Koji Hashimoto, Yoshitaka Shibata

Special Session-08 Room C (Data Engineering for Knowledge Awareness, DEKA)

Session Chair: Prof. Ja-Hwung Su

Paper ID	Title	Authors
1012	To Explore Mortality of Posterior Fossa Hemorrhage with Artificial Intelligence Approach	Hui-Chu Chiu, Yao-Hsien Lee, Chih-Wei Wang, Deng-Yiv Chiu, Chun-Jung Juan, Wei-Jun Chang
1040	Efficient Big Image Data Retrieval Using Clustering Index and Parallel Computation	Ja-Hwung Su, Chu-Yu Chin, Jyun-Yu Li, Vincent S. Tseng
1111	Exploring the Influencing Factors of Consumer Use the NFC Mobile Payment	Yi-Wen Liao, Yeong-chyi Lee, Jia-Qi Zhang
1117	Integrating Motion Estimation and Convolutional Neural Network for Video Super-resolution	Tsung-Hsin Wei, Ju-Chin Chen
1119	Applying Machine Learning to Head Gesture Recognition using Wearables	Cheng-Wei Wu, Hua-Zhi Yang, Yan-Ann Chen, Bajo Ensa, Yi Ren, Yu-Chee Tseng
1154	Exploring Cross-Event Relations on Twitter Datasets via Topic Recommendation and Word Embedding	Chung-Hong Lee, Hsin-Chang Yang, Bo-Chun Xu



Day Three (Friday, November 10, 2017) (08:45 – 10:15)

Regular Session-09 Room A (Awareness Technology & Awareness Related Applications)

Session Chair: Prof. Jiun-Jian Liaw

Paper ID	Title	Authors
1137	A Novel Real-time Monitoring System for Illegal Logging Events Based on Vibration and Audio	Yu-Yan Chen, Jiun-Jian Liaw
1151	The Implementation of the Multimedia Content Subscription and Push Notification Mechanism Based on the IP Multimedia Subsystem	Yi-Chun Chang, Jian-Wei Li, Fu-Syuan Yang
1002	A User's Intention Detection Method for Smart Walker	Wen-Chang Cheng, Yan-Zhi Wu
1121	Using K-means Algorithm for the Road Junction Time Period Analysis	Hung-Chi Chu, Chi-Kun Wang
1127	SATR: Socially-Aware Trajectory-based Routing in Vehicular Social Networks	Ing-Chau Chang, Ching-Ru Chang
1037	A Data Mining Method for Facebook Social Network: Take "New Row Mian (Beef Noodle)" in Taiwan for Example	Jong-Shin Chen, Chi-Yueh Hsu, Cheng-Ying Yang, Ching-Chuan Wei, Han Guo Ciang

Regular Session-10 Room B (The others)

Session Chair: Prof. Long-Sheng Chen

Paper ID	Title	Authors
1086	Find Crucial Factors of In-game Purchase Using Neural Networks	Long-Sheng Chen, Meng-Ru Lin, Yi-Ting Pan
1090	Making Machine-Learning Tools Accessible to Language Teachers and Other Non-Techies: t-sne-lab and Rocanr as First Examples	Chao-Kuei Hung
1068	Application of Back Propagation Neuron Network on Data Linkage Transmission of Semiconductor Hydrogen Detection Device	Yi-Chi Tsai, Kun-Wei Lin
1131	The Large-Signal SFG Model of DC-DC Buck-Boost Converters	Li-Chun Liao, Kuo-Wei Chien
1140	An Economic Production Quantity Model with Imperfect Production Processes and Corrective Maintenance under Allowable Shortages	Yung-Fu Huang, Ming-Wei Weng, Ching-Chang Lee, Hung-Fu Huang
1038	Data Conversion from RDB to HBase	Jeang-Kuo Chen, Wei-Zhe Lee

Special Session-07 Room C (Applications of Biomedical Engineering and Healthcare Information, ABEHI)

Session Chair: Prof. Chiun-Li Chin

Paper ID	Title	Authors
1017	Exploring the Performance of Dyslexic Children in Reciting and Writing Chinese Characters Through the Use of Electroencephalogram	Chih-Yu Wang, Jia-Jung Wang, Jeng-Yiiang Li, Shing-Hong Liu
1019	Neurofeedback Based Attention Training for Children with ADHD	Chin-Ling Chen, Yung-Wen Tang, Nian-Qiao Zhang, Jungpil SHIN
1028	Deep Convolutional Neural Network Classifier for Travel Patterns Using Binary Sensors	Munkhjargal Gochoo, Shing-Hong Liu, Damdinsuren Bayanduuren, Tan-Hsu Tan, Vijayalakshmi Velusamy, Tsung-Yu Liu
1062	Comparison of Arterial Stiffness between the Dominant and Non-Dominant Hands	Jia-Jung Wang, June-Der Li, Jhen-Yang Syu, Jia-Hao Li, Yu-An Shih, Wei-Kung Tseng
1079	Noninvasive Monitoring of Cerebral Blood Flow Using Diffuse Correlation Spectroscopy	I-Tseng Huang, Kuan-Chen Wu, Jia-Jin Chen
1099	Skin Condition Detection of Smartphone Face Image using Multi-feature Decision Method	Chiun-Li Chin, Guei-Ru Wu, Tzu-Chieh Weng, Yun-Yun Kang, Bing-Jhang Lin, Ho-Feng Chen



Day Three (Friday, November 10, 2017) (10:30 – 12:00)

Regular Session-11 Room A (Awareness Related Applications & The others)

Session Chair: Prof. Shih-Cheng Horng

Paper ID	Title	Authors
1001	The Hamiltonian Connectivity of Some Alphabet Supergrid Graphs	Ruo-Wei Hung, Jun-Lin Li, Chih-Han Lin
1004	Apply Ordinal Optimization to Solve the Quadratic Programming Problems	Shih-Cheng Horng, Shieh-Shing Lin
1009	The Influence of Experience Satisfaction and Sports Attitude on Somatosensory Experience of Information Technology Products: A Case Study of Wii Sports	Chih-Wei Lin, Wei Peng Tan, Su-Shiang Lee, Shin-I Tseng, Yu-Sheng Lin, Wei-Hsun Hsu
1013	A Study of Physiological Responses to Different Forms of Exercise	Yu-Che Huang, Tai-Shen Huang
1016	An EPQ Model for Deteriorating Items with Allowable Shortage and Price Difference-dependent Demand	Yung-Fu Huang, Ming-Wei Weng, Rung-Hung Su, Kuei Kuei Lai

Regular Session-12 Room B (The others)

Session Chair: Prof. Atthapol Ngaopitakkul

Paper ID	Title	Authors
1014	The Approach to Classifying Multi-Output Datasets based on Cluster Validity Index Method	Kuang Yu Huang, Shann-Bin Chang, Lieh-Dai Yang
1047	A Modified SLM Scheme with Two-Stage Scrambling for PAPR Reduction in OFDM Systems	Hsin-Ying Liang, Kuan-Chung Chou, Hung-Chi Chu
1057	Using Pictorial Story Based English to Improve English Words Underachievers Learning in Remedial Teaching	Shyi-Ching Liang, Yu-Chien Chen, Tzu-Chuen Lu
1071	Design Jigsaw Puzzle and App for Nostalgia-based Support on Elderly with Dementia	Fang-Lin Chao, Chung-Shun Feng, Boxiu Fanjiang, Chang-Liang Sun
1075	An Image Hiding Scheme Based on Magic Square	Chin-Feng Lee, Ying-Xiang Wang
1155	Comparison of Mother Wavelet for Classification Fault On Hybrid Transmission Line Systems	Jittiphong Klomjit, Atthapol Ngaopitakkul, Bancha Sreewirote

Special Session-09 Room C (Advanced Technologies for Green Energy and Electric Vehicles, ATGEEV)

Session Chair: Prof. Jiashen Teh

Paper ID	Title	Authors
1049	Memetic Algorithm for Fuel Economy and Low Emissions Parallel Hybrid Electric Vehicles	Yu-Huei Cheng, Ching-Ming Lai, Jiashen Teh
1050	A Framework for Transmission Network Planning	Jiashen Teh, Yu-Huei Cheng, Ching-Ming Lai
1055	An Efficient Active Ripple Filter for Use in Single-Phase DC-AC Conversion System	Ching-Ming Lai, Jiashen Teh, Yu-Huei Cheng
1106	An Implementation of IoT Gateway for Home Appliances Control over Cellular Network	Wen-Chung Tsai, Shi-Xiang Zhu, Ming-Hong Lu, Julien Merzoug, Chiang Yu, Ian Huang

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