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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

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	Paper No	Paper Title	Authors
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	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

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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

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	Paper No	Paper Title	Authors
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	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

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	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

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	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

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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

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	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

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	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	Liuh-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

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	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

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	75	Flood Tracking in Severe Weather	Shi-Wei Lo, Jyh-Horng Wu, Lun-Chi Chen, Chien-Hao Tseng and Fang-Pang Lin
	138	Detection of Bus Route Number via Motion and YCbCr Features	Ching-Ching Cheng, Chun-Ming Tsai and Zong-Mu Yeh
	139	Image Acquisition and Processing for Beam Profile Diagnostic Applications at Taiwan Photon Source	Chih-Yu Liao, Chun-Yi Wu, Yung-Sen Cheng, Chang-Hor Kuo, Kuo-Hwa Hu and Kuo-Tung Hsu
	222	Edge Density Early Termination Algorithm for HEVC Coding Tree Block	Yih-Chuan Lin and Jian-Cheng Lai

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	Paper No	Paper Title	Authors
June 10 10:30-12:00	120	A Skeleton-Occluded Repair Method from Kinect	Hui-Yu Huang and Shu-Hao Chang
	243	Color Image Authentication and Recovery via Adaptive Encoding	Chun-Hung Chen, Yuan-Liang Tang and Wen-Shyong Hsieh
	255	Iterative Image Encryption Based on the Dyadic Displacement and Linear Feedback Shift Register in Discrete Wavelet Transform	Meng-Ta Lee and Chien-Ming Su
	296	Directional Connected Components Algorithm Based on Gradient Information	Wan-Yu Chang and Chung-Cheng Chiu

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	286	A Stream-based Mapping Mechanism for MPEG-4 Video Transmission Over IEEE 802.11e	C.-H. Ke, Chong-Yi Yang and Jiann-Liang Chen
	403	Moment-Preserving Techniques for 3D Shape Registration and Recognition	Shang-Hung Hsu, Shyi-Chyi Cheng and Chin-Chun Chang
	433	Face Description with Local Binary Patterns and Local Ternary Patterns: Improving Face Recognition Performance Using Similarity Feature-Based Selection and Classification Algorithm	Chi-Kien Tran, Tsair-Fwu Lee, Liyun Chang and Pei-Ju Chao
	409	A H.264/AVC Based Distributed Video Coding Paradigm with Mode Decision at Decoder	Ted Lei and Fan-Shuo Tseng

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June 10 15:30-17:00	54	On Estimations of Stochastic Slip Rates by Using Kalman Filter	Feng-Rung Hu and Jia-Sheng Hu
	64	An Online Trained Adaptive Neural Network Controller for an Active Magnetic Bearing System	Seng-Chi Chen, Van-Sum Nguyen, Dinh-Kha Le and Thi Hoai Nam Nguyen
	88	A novel Chaos sequence based 3D Fragile Watermarking scheme	Jen-Tse Wang, Wang-Hsai Yang, Peng-Cheng Wang and Yung-Tseng Chang
	210	Twin Current-Tunable Chaotic Jerk Equations in Two Differently Swapped-Pair Circuits	Banlue Srisuchinwong and Prachum Sukjarernchaikul
	212	An Observer Controller for an Active Magnetic Bearing System Exhibiting Unbalanced Mass	Seng-Chi Chen, Dinh-Kha Le and Van-Sum Nguyen

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June 11 08:30-10:00	258	The Vacuum Oven Control System for Aviation Instrument Dehumidification	Ming-Sen Hu and Mei-Chih Chen
	261	Adaptive Output Feedback Control for Mismatched Uncertain Systems: Single Phase Sliding Mode Approach	Wen Tsai and Van Huynh
	365	Design of Fuzzy Controllers for Direct Torque Control Systems	Shun-Yuan Wang, Chwan-Lu Tseng, Shou-Chuang Lin, and Jen-Hsiang Chou
	411	A Pragmatic Approach to Diagnose on Transformer's Insulating Oil with Gas Pattern	Ming-Jong Lin and Chao-Tang Yu

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June 11 10:30-12:00	Paper No	Paper Title	Authors
	431	The Extended Krasovskii Method to Find a Lyapunov Candidate	Jerome Chang
	439	The Adoption of Enterprise Innovation Diagnosis System to the Community with the use of Systems Engineering	T.J. Wang and L.K. Chang
	445	A Tool for Automatic Index Selection in Database Management Systems	Wendel Goes Pedrozo, Marcelo Teixeira and Maria Salete Marcon Gomes Vaz
	449	A Speech Enhancement System using Binary Mask Approach and Spectral Subtraction Method	Tsung-Han Tsai and Pei-Yun Liu

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	Paper No	Paper Title	Authors
June 11 13:30-15:00	373	Development of Digital Control for High Power Permanent-Magnet Synchronous Motor Drives	Ming-Hung Chen and Hao-Ting Tseng
	414	Using Precision Time Synchronization Protocol for Time-Varying Encryption System	Te-Kwei Wang and Po-Huang Su
	430	Dynamic Allocation with Bandwidth Guaranteed over Ethernet PON	Fu-Hsiang Tsai, Fong-Ke Shen and Hao-Dong Zheng
	381	A New Approach to Determine the Critical Path in Stochastic Activity Network	Weng-Ming Chu, Koan-Yuh Chang, Chien-Yu Lu, Chang-Hung Hsu, Chien-Hung Liu and Yung-Chia Hsiao
	382	Capture-Replay Testing for Android Applications	Chien-Hung Liu, Chien-Yu Lu, Shan-Jen Cheng, Koan-Yuh Chang, Yung-Chia Hsiao and Weng-Ming Chu
	384	Control of a Small Windmill Coupled a Generator Having Two Windings	Yung-Chia Hsiao, Shan-Jen Cheng, Koan-Yuh Chang, Chang-Hung Hsu, Chien-Yu Lu and Chien-Hung Liu

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	Paper No	Paper Title	Authors
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	395	Realization of an Image-Based XXY Positioning Platform Control	Hong-Ming Chen, Ting-En Lee, Juhng-Perng Su and Chyun-Luen Lin
	397	Logistical Remote Association Repair Framework Using Smartphones Based on the Android Platform	Shao-Fan Lien, Chun-Chieh Wang, Juhng-Perng Su and Chein-Hsing Wu
	266	An Effective TU Size Decision Method for Fast HEVC Encoders	Chou-Chen Wang, Chi-Wei Tung, Jing-Wein Wang and Ping-Han Su
	267	A Fast H.264 Video Encoder Based on a Digital Signal Processor	Chou-Chen Wang, Jung-Yang Kao, Hsiang-Chun Wang and Shih-Hsin Wu
	276	Dual or Multi-Band Microstrip Antennas by Using Disturbing Patches	Tung-Hung Hsieh, Chin-Chia Chen, Chih-Cheng Lin and Ke-Nung Huang

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June 12 08:30-10:00	Paper No	Paper Title	Authors
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	223	Induction Motor Bearing Fault Detection using Wavelet-based Envelope Analysis	D.-M. Yang
	417	Applying Time-Frequency Analysis on Earthquake Inputs and Structure Responses	Chiung-Shiann Huang, Liane-Jye Chen, Wei-Chih Su and Shing-Di Wang
	442	A Music Emotion Recognition Algorithm with Hierarchical SVM Based Classifiers	Wei-Chun Chiang, Jeen-Shing Wang and Yu-Liang Hsu
	450	Adaptive Threshold and Principal Component Analysis for Features Extraction of Electrocardiogram Signals	Ricardo Rodriguez, Adriana Mexicano, Jiri Bila, Rafael Ponce and Salvador Cervantes

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	285	Micro-satellite Attitude Determination and Control Subsystem Design and Implementation: Software-in-the-loop Approach	Ho-Nien Shou
	294	A Novel High-Power-Factor LED-Lamp Driver Based on a Single-Stage Power Conversion	Chun-An Cheng, En-Chih Chang, Ching-Shien Tseng and Tsung-Yuan Chung
	351	The QTT1-based TOPSIS Decision Support Model to Fragrance Form Design	Yang-Cheng Lin and Chun-Chun Wei
	456	Design an Interactive User Interface with Integration of Dynamic Gesture and Handwritten Numeral Recognition	Jia-Shing Sheu, Guo-Shing Huang and Ya-Ling Huang

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	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

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	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

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	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

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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

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	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

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	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

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	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

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	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

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	142	Design and Implementation of Motion Control System for Insertion Devices at Taiwan Photo Source	Chun-Yi Wu, Chih-Yu Liao, Jenny Chen, Yung-Sen Cheng and Kuo-Tung Hsu
	191	Control System Based on PLC for Winding Machine	Wei Mo, Mei Wang, Jzau-Sheng Lin, Hongyang Zan, and Guangqing Sun
	241	The Research of Photovoltaic MPPT Controller Based on DSPF2812	Gai-Li Yue and Hongwei He
	309	A Kind of Hybrid Method for Fault Recognition	Fu Zhouxing, Jingyi Du, Mei Wang, Qin Xuebin, Ningbo Xu and Hsiung-Cheng Lin
	319	Key Techniques in Smart Substation	Peiqi Fu, Baoji Yun, Zhouxing Fu, Lei Sun, Chunyue Wang, and Ruoya Zhang
	115	Classification Using an Efficient Neuro-Fuzzy Classifier Based on Adaptive Fuzzy Reasoning Method	Cheng-Jian Lin and Chun-Cheng Peng

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127	Using Adaboost Method for Face Detection and Pedestrian-flow Evaluation of Digital Signage	Shye-Chorng Kuo, Cheng-Jian Lin and Chun-Cheng Peng
169	Three-dimensional Breast-tumor Model Reconstruction using Multispectral Contour Detection Method	Sheng-Chih Yang and Cheng-Yan Wang
177	A Study of Digital Image Enlargement and Enhancement	Hsueh-Yi Lin and Rong-Nan Lin
180	Eight-Scale Image Contrast Enhancement Based On Adaptive Inverse Hyperbolic Tangent Algorithm	Cheng-Yi Yu, Hsueh-Yi Lin, and Rong-Nan Lin
187	Combining Event-related Energy with Competitive Clustering Nets to Classify EEG Signals	Chi-Yuan Lin and Wei-Fan Chiang
197	A Particle Swarm Optimization for Special Cutting Plan Scheduling Problem	Shih-Tang Lo, Der-Fang Shiau and Tung-Ju Wu
424	An Image Clustering Technology for Preserving the Consistent Color of Contour	Sheng-Chih Yang, Xi-Ru Liu and Shih-Yen Huang
469	VQ Image Compression Steganography Based on Section-based Informed Embedding	Chi-Yuan Lin, Shu-Cing Wu and Jyun-Jie Wang

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470	Remove Strong Light and Atomized Algorithms for Digital Image	Cheng-Yi Yu, Hsueh-Yi Lin and Shih-Yun Chen
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363	A Novel Approach by Applying Image Authentication Technique on a Digital Document	Jau-Ji Shen and Ken-Tzu Liu
371	Leading Medicine With Barcode	Yu-Bin Su, Wen-Yuan Chen, and Hsueh-Yun Huang
388	An Iris Segmentation Scheme Using Delogne-Kåsa Circle Fitting Based on Orientation Matching Transform	Chen-Chung Liu, Pei-Chung Chung, Chia-Ming Lyu, Jui Liu and Shyr-Shen Yu
420	Sub-pixel Edge Detection of LED Probes Based on Canny Edge Detection and Iterative Curve Fitting	Nai-Quei Chen, Jheng-Jyun Wang, Li-An Yu and Chung-Yen Su
471	Ammonia Detection Scheme in Breeding Pond	Wen-Yuan Chen, Rong-Hung Sun, and Yuan-Shan Chen
135	Research and Application of Bird Species Identification Algorithm Based on Image Features	Li Jian, Zhang Lei, and Yan Baoping
396	Synchronization of Uncertain Perturbed Chaotic Neural Network Using Tracking Differential Observer	Chao Zhang, Jing Wang, Qiang Guo, Li Zhao, and Lele Fan

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	348	Brainwaves Analysis of Relaxation Emotion	Fu-Chien Kao, Yun-Kai Lin, Chih-Chia Chen, and Chih-Hsun Huang
	108	Rotation-invariant Texture Image Retrieval Based on Complementary Features	Xuelong Hu, Gang Wang, Huining Wu, and Huimin Lu
	107	The cyclodipeptides compounds from <i>Pinellia ternate</i> (Thunb.) Breit	Ying Xu, Yubin Ji, Zheng Xiang, Jian Wu, and Ning Chen
	161	Super-resolution reconstruction base on A new image registration	Xie Qi and Chen Wei-Yi
	126	An Improved Algorithm of Photonic Crystal Fibers' Defect Mode Based on the Plane-wave Expansion and Supercell Method	Zhu Yuguang, Fang Yuntuan and Zhuang Yanbin
	96	An Improved Vector-Control System of PMSM Based on Fuzzy Logic Controller	Risha Na and Xudong Wang

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112	Research on the Integration of Deep Web Query Interfaces	Yongjun Liu
132	An Ontology Evolution Method Based on Folksonomy	Shufeng Wang, Yanbin Zhuang, Zhixi Hu, and Xianju Fei
198	An Improved Max-Min Task-Scheduling Algorithm for Elastic Cloud	Xiaofang Li, Yingchi Mao, Xianjian Xiao, and Yanbin Zhuang
199	A Enhanced Protocol for LEACH Based Wireless Sensor Networks	Yanhong Sun and Ming Tang
10	The Importance of the Analysis of Leisure-Related SSCI Journals	Luo She-Juang, Mao Ko-Min, Yen Chang-Hua, and Lee De-Chih
78	Real Time Non-rigid Surface Detection Based on Binary Robust Independent Elementary Features	Chio-Tan Kuo, Ling-Yu Tsai, Geng-Cheng Lin, Yu-Ren Dian and Chuin-Mu Wang
80	A Study on the Application of Fuzzy Information Seeded Region Growing in Brain MRI Tissue segmentation	Chuin-Mu Wang, Pei-Chi Kuo, Geng-Cheng Lin and Da-Peng Yang
137	Heuristics Based Particle Swarm Optimization for Solving Vehicle Routing Problems	Ruey-Maw Chen and You-An Chen
159	An Efficient Particle Swarm Optimizer with Application to Man-Day Project Scheduling Problems	Frode Eika Sandnes and Ruey-Maw Chen

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202	Implementation and Performance Analysis of the Archive System for the Taiwan Photon Source Project	Yung-Sen Cheng, Chih-Yu Liao, Jenny Chen and Kuo-Tung Hsu
225	Implementation of Mobile DICOM Image Retrieval Application with QR-Code Authentication	Yi-Ying Chang, Huai-Bin Zhong and Min-Liang Wang
352	Using Neural Networks with Differential Evolution Learning for Face Recognition	Shih Yen Huang and Cheng-Jian Lin
410	Study for Distributed Video Coding Architectures	Ted Chih-Wei Lei and Fan-Shuo Tseng
182	A USB Dongle Antenna for Multiband Applications	Wen-Shan Chen, Wei-Jyun Chen, Chin-Kai Yang and Li-Yu Yeh
269	Formal Verification of Wireless Sensor Key Exchange Protocol using AVISPA	Mohamed Kasraoui, Adnane Cabani and Houcine Chafouk
372	Attitude Balancing and Tracking Control of Electric Unicycles	Pang-Chia Chen, Hung-Wei Lin, Chih-Huang Chiang and Kuan-Yu Hou
383	Robust stability for discrete-time uncertain genetic regulatory networks with infinite-distributed delays	Chien-Yu Lu, Yung-Chia Hsiao, Chien-Hung Liu, Chang-Hung Hsu, Koan-Yuh Chang and Shan-Jen Cheng
385	High Frequency Characteristics of Magnetostriction on Vibration and Noise for Single-Phase Transformer dependence of Magnetic Circuit Method	Chang-Hung Hsu, Chien-Hung Liu, Yung-Chia Hsiao, Weng-Ming Chu, Chien-Yu Lu and Shan-Jen Cheng

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	320	Research on Micro-area Sheet Resistance by Mapping Technique Method with Inclined Square Four Point Probe	Xinfu Liu, Zhihui Zhu, Runli Zhang, Nan Jiang and Huan Guo
	333	Harmful gases Wireless Network Monitoring System Design	Jian Fang and Wei Li
	335	Walking robot gait planning and system design	Shunting Su, Shunting Su and Jian Fang
	343	An inverted pendulum fuzzy controller design and simulation	Luo Hongyu and Fang Jian
	344	Inverted pendulum RBF neural network PID controller design	Yu Jing and Fang Jian
	353	The Testing System of Microarea Sheet Resistance Based on Labview with Inclined Square Four Point Probes	Zhihui Zhu
	466	Tracking of mobile robot expert PID controller design and simulation	Zhongbao Luo and Wei Li

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21	Influence of working pressure on structural and optoelectronic properties of Al-doped ZnO thin films	Chien-Hsun Chu, Hung-Wei Wu and Jow-Lay Huang
121	InP Schottky Barrier MOSFET with TiO ₂ /Al ₂ O ₃ as Gate Oxides	Ming-Kwei Lee and Chih-Feng Yen
281	Effects of Excimer Laser Annealing on Low-Temperature Solution Based Indium-Zinc-Oxide Thin Film Transistor Fabrication	Chao-Nan Chen and Jung-Jie Huang
418	Annealing Effect of Sol-gel TiO ₂ Thin Film on pH-EGFET Sensor	Pin-Chuan Yao, Ming-Chih Lee and Jung-Lung Chiang
425	The Growth and Analyses of CuInSe ₂ Absorption Layer for a CIS Thin Film Solar Cell	King-Leung Wong, Hung-En Chen and Wen-Lih Chen
22	Comments on Time-Varying Harmonic and Interharmonic Estimation Methods	Cheng-I Chen and Yeong-Chin Chen
47	Discussions on Covariance Matrix of Kalman Filter for Power System Harmonic Analysis	Cheng-I Chen and Yeong-Chin Chen
50	Development of Educational Platform for Experiments of Electric Machines	Yuan-Chieh Chin

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52	Estimation of Voltage Variation Events with Adaptive Linear Filtering	Cheng-I Chen, Chieh-Yin Cheng and Yeong-Chin Chen
58	Implementation of Power Measurement System with Fourier Series and Zero-Crossing Algorithm	Yeong-Chin Chen and Jian-Kai Lan
33	A Novel Scheme for the Fovea Localization on Retinal Images	Chun-Yuan Yu, Chen-Chung Liu and Shyr-Shen Yu
196	Automatic Localization of the Optic Disc Based on Iterative Brightest Pixels Extraction	Chun-Yuan Yu and Shyr-Shen Yu
350	PE-based Watermarking Scheme for Color Images	Te-Jen Chang, Ping-Sheng Huang and I-Hui Pan
378	Employing RFID for an Equipment Management System via Wireless Sensor Network	Wen-Tsai Sung, Jui-Ho Chen and Hsi-Chun Wang
443	Iterative Morphology-based Segmentation of Breast Tumors in Ultrasound Images	Guan Lin Chen and Chia Yen Lee

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	Paper No	Paper Title	Authors
June 10 15:30-17:00	313	The Fusion Method of Improvement Bayes for Soccer Robot Vision System	Yuanbin Hou, Yibin Zhang, Fei Xue, Maoquan Zheng, and Rong Fan
	314	The Data Processing System of Coal Slurry Pipeline Pressure Based On AMFL	Yuanbin Hou, Jiao Dang, Lu Wang, Xuecun Yang, and Xinzhao Wang
	316	Early Fire Detection for High Space Based on Video-image Processing	Wang Yuanbin and Ma Xianmin
	318	Research on DC Line Protection	Zhouxing Fu, Ruoya Zhang, Lingling Huang, Peiqi Fu and Nan Wang
	337	Doubly-fed Wind Turbine Mathematical Model and Simulation	Chunyue Wang, Fu Zhouxing, Wei Huang, Yifan Liu and Shihe Zhang
	404	The Characteristic of Organic Hole-Only Devices Based on Crosslinked Hole-Transport Layer	P.S. Rudati, D.C. Mueller, and K. Meerholz
	415	A Sub-1 V CMOS LDO Regulator with Multiple Protections Capabilities	Yu-Cherng Hung and Ding-Jyun Ceng

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416	Integration of High Efficiency PFM-Based Buck Converter for LEDs driving	Yu-Cherng Hung and Bo-Sheng Lian
147	Positioning and Navigation of Meal Delivery Robot Using Magnetic Sensors and RFID	Yan-An Lu and Guo-Shing Huang
18	Design of a Piezoelectric Speaker Driver Based on Fuzzy Theory and Taguchi Method	Po-Jen Cheng, Chin-Hsing Cheng and Sheng-Chie Lin
148	Modular Arithmetic Analyses for RSA Cryptosystem	Chia-Long Wu and Chen-Hao Hu
251	Power Remote Monitoring and Control Platform Development Using MiWi Wireless Networking Protocol	Chin-Pao Hung, Kai-Chih Chang, You-Cheng Lai, and Fu-Tsai Shieh
400	Design and Preliminary Test of A Palm Bio-Impedance Spectroscopy Measurement System for Biometric Authentication	Wen Zhang, Yuxiang Yang and Qiang Sun
454	Design and Implementation of a Three-dimensional Pedometer Accumulating Walking or Jogging Motions	Jia-Shing Sheu, Guo-Shing Huang, Wei-Cian Jheng and Chih-Hung Hsiao
110	Adaptive Network-Based Fuzzy Inference System for Arteriovenous Shunt Stenosis Screening in Long-Term Hemodialysis Treatment of Patients	Wei-Ling Chen, Yi-Chun Du, Chia-Hung Lin, Chung-Dann Kan, and Ming-Jui Wu

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214	Context-Aware Prompting System for Improving Physical Activity	Chung-Tse Liu, Steen J. Hsu and Chia-Tai Chan
248	Mobile Robot Localization by Tracking Built-in Encoders	Chih-Liang Chen, Song-Huei Huang and Jia-Hong Zhou
249	Motors Synchronization for Mobile Robots Using PID Control	Chih-Liang Chen, Yi-De Guo and Jun-Hao Zhang
254	Machine Protection System Design for the Taiwan Photon Source	Chih-Yu Liao, Chun-Yi Wu, Yung-Sen Cheng, Demi Lee, Kuo-Hwa Hu and Kuo-Tung Hsu
279	The Analysis of Z-shape Microstrip Antenna for Dual-band Operation	Tung-Hung Hsieh, Yi-Ming Cheng, Guan-Chi Wang and Pi-Wei Chen
289	A Compression Algorithm for ECG data using variable-length classified template sets	Xinchao Qu and Yue Zhang
387	Implementation of 3-D Optical CDMA Networks with Double Balanced Detection	Chih-Ta Yen and Chih-Ming Chen
192	The design of motor drive with speed control for an electric bicycle	Tze-Yee Ho, Wei-Chieh Chen, Chih-Hao Chiang, Wei-Chang Hung, and Mu-Song Chen
376	Feature Detection in Breast IR Image: An Adaptive non-maximal suppression model	Hao-Jen Wang and Chia-Yen Lee

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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

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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

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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

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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

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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

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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

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	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

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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

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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

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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

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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

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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