

Room B1

	Paper No	Paper Title	Authors
June 10 08:30-10:00	53	Proximity Comparison Modes for Logo Design	Chen-I Huang, Shing-Sheng Guan, Wenhsiung Wang, Ming-Hong Wang, and Rain Chen
	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

Room B2

	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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	Paper No	Paper Title	Authors
June 10 13:30-15:00	59	Fast Intra Mode Decision based on Block Orientation in High Efficiency Video Codec (HEVC)	Vinith Kumar, Govindaraju H, Mohammed Quaid and Jacob Eapen
	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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	Paper No	Paper Title	Authors
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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	Paper No	Paper Title	Authors
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
June 11 15:30-17:00	181	Modelling of Logistic Resources Allocating by Markov Process	Shao-Fan Lien, Chein-Hsing Wu, Juhng-Perng Su and Pai-Ming Tseng
	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
	215	Nighttime vehicle detection at close range using vehicle lamps information	Jun-Ting Wu, Jiann-Der Lee, Jong-Chih Chien and Chung-Hung Hsieh
	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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	Paper No	Paper Title	Authors
June 12 10:30-12:00	263	Motion Planning of Multi-docking System for Intelligent Mobile Robots	K.L. Su, B.Y. Li, J.H. Guo, and Y.L. Liao
	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