

CONTENTS

Dual-circle self-localization for soccer robots with omnidirectional vision <i>Chen-Chien Hsu, Ching-Chang Wong, Hung-Chih Teng and Cheng-Yao Ho</i>	619
Fault-distribution-dependent reliable fuzzy control for T-S fuzzy systems with interval time-varying delay <i>Zhou Gu, Jinliang Liu, Chen Peng and Engang Tian</i>	633
Temperature and humidity control inside an automobile during heating period <i>Chung-Lun Li, Xu Zhang and Sheng-Luen Chung</i>	641
Design and implementation of sensorless DC inverter-fed compressor drive system <i>Faa-Jeng Lin, Shih-Yang Lee, Hu-Chi Chang and Zi-Yin Kao</i>	655
Fault section estimation for distribution substations using on-chip design <i>Wen-Hui Chen and Chao-Tang Li</i>	675
Reduction of test data volume and test application time by scan chain disabling technique <i>Lung-Jen Lee, Wang-Dauh Tseng and Rung-Bin Lin</i>	687
Efficient grouping and ordering processing on XML data <i>Ya-Hui Chang, Chih-Chung Huang and Po-Hsien Chien</i>	697
Fast MAP-based super-resolution algorithm using multilevel interpolation and reconstruction <i>Jiunn-Lin Wu and Meng-Han Hung</i>	711
A hybrid supervised learning nasal tumor discrimination system for DMRI <i>Wen-Chen Huang and Chun-Liang Liu</i>	723
A low-cost, high-availability P2P storage scheme with regenerating code that combines caching methods <i>Yu-Liang Chen and Shyan-Ming Yuan</i>	735
Determination of stress state in chip formation zone when orthogonal machining nickel-based superalloy Inconel 718 <i>Shao-Hsien Chen, Sen-Chieh Su, Chun-Pao Kuo and Po-Chun Chang</i>	747
Hydrodynamic stability of a layer of viscous gravity-driven power-law fluid flow under rotating centrifugal force <i>Po-Jen Cheng and Kuo-Chi Liu</i>	755
Performance evaluation of drift-free integration for navigation and velocity feedback applications <i>W.-C. Lin, C.-X. Dai, D.-L. Deng, K.-S. Ou and K.-S. Chen</i>	767
Comparison analysis of emergency evacuation between computer simulations and real exercises for large-space buildings <i>Hui Ping Tserng, Jia-Yi You, Chih-Yuan Chang and Kuang-Hua Hsiung</i>	779
Highly efficient partial nitrification by polyvinyl alcohol-alginate immobilized cells <i>Wen-Po Chou, Szu-Kung Tseng, Chun-Ming Ho, Zuo-Zhang Wu, Yu-Jou Feng and Tsung-Hui Hsia</i>	793

