

- 1 **A PCI AER Co-Processor Evaluation Based on CPUs Performance Counters**
Manuel Domínguez-Morales ; Alejandro Linares-Barranco ; Pablo Iñigo-Blasco ; Juan Luis Font ; Daniel Cascado-Caballero ; Gabriel Jimenez-Moreno ; Fernando Díaz-del-Río ; José Luis Sevillano
Spiking neurons ; Address-Event ; PCI ; FPGA ; Synthetic AER generation
- 2 **Design of a JPEG Encoder with the Web-Based HW/SW Codesign Automation**
Ching-Shun Chen ; Hsing-Chi Fong ; Chih-Jen Hsiao ; Chi-Yang Liao ; Hsi-Ju Chen
EDA ; Hardware-Software codesign ; Processor ; Web application
- 3 **Secure Address Configuration in IPv6 Networks**
Su-Kit Tang ; Kai-Hau Yeung ; Kin-Yeung Wong
IPv6 ; Address configuration ; Network infrastructure
- 4 **Reforming the Billiards Scoring Process with RFID, Ethernet and IR Technologies**
Jenn Tang
Billiard ; Sport score ; RFID ; Ethernet ; IR sensor
- 5 **Reversible Watermarking Algorithm Based on Embedding Pixel Dependence**
Te-Cheng Hsu ; Alan Dahgwo Yein ; Wen-Shyong Hsieh ; Nan-Tung Chen ; John Y. Chiang ; Tung-Shih Su
Reversible watermarking ; Prediction error ; Difference expansion ; Histogram shifting
- 6 **High Discovery Proportion and Fault Tolerance of Grid Information Service**
Ming-Jeng Yang ; Chin-Lin Kuo ; Yao-Ming Yeh
Grid ; Information service ; Fault-Tolerant ; Quorum ; Legion
- 7 **An Unconnected Clustering Negotiation Policy for a Distribution Cognitive Network**
Lian-Fen Huang ; Zi-long Gao ; Yi-fei Zhao ; Jing Wang ; Chi-Hsiang Lo
Multi-channel MAC protocol ; Cognitive radio ; An unconnected clustering negotiation policy ; Probability statistics theory
- 8 **An Efficient Blind Verifying for Firewall Using Online/Offline Signcryption**
Dai-Rui Lin ; Chih-I Wang ; D. J. Guan
Signcryption ; Firewalls ; Online/offline ; Blind verify ; Chameleon hash function
- 9 **Design of Circuit Emulation over Ethernet**
Tain-Lieng Kao ; Kou-Tan Wu
Circuit emulation ; Clock recovery ; TDMoE
- 10 **Semantic Representation of Motion for Tracing Object in Surveillance System**
Chang Choi ; Junho Choi ; Juhyun Shin ; Sung-Ryul Kim ; Pankoo Kim
Spatio-temporal relation ; Motion recognition ; Motion predicates ; Intelligent surveillance system