

CICT 2009 - Papers Accepted

FULL papers

Effect of Hard RTOS on DPDC SCADA System Performance	Azad, AKM Abdul Malek; Hussain, C. M.; Alam, Marzia
Design of Compact Annular-Ring Patch Antennas for circular polarization	BAO, Xiulong; ammann, Max
Investigation of Dispersive Fading in UWB Over Fiber Systems.	Castillo Leon, Antonio; Perry, Philip; Anandarajah, Prince; Barry, Liam
Generating Initial Codebook of Vector Quantization Based on the Maximum Repulsion Distance	Chen, Gang; Zhong, Sheng
Demonstrator Platform for Antenna Array Calibration	Corley, Gerald P.; McCormack, Justine M.; Farrell, Ronan J.
Cognitive Ultra-Wideband Radio Based on Adaptive Spectrum Allocation and Rake Receiver	Cui, Wentao
Extracting Localised Mobile Activity Patterns from	Doyle, John; Farrell, Ronan; McLoone, Sean; McCarthy, Tim; Hung, Peter
A Numerical Model to Estimate PIFA (Planar Invert F Antenna) Performance with Rotation Effect in Proximity to the Human Body	Duan, Zhiyuan
RF SDR for Wideband PMR	Gao, Ling; Farrell, Ronan J
Wavelength modulated off-axis integrated cavity system for trace H2S measurements	Gu, Haitao; Yu, Dahai; Li, Xia; Gao, Xiumin; Huang, Wei; Wang, Jian
A High Speed Preamplifier Latch Comparator for 8bit 1GSPS Folding and Interpolation ADC	Guo, Yongheng; Lu, Tiejun; Wang, Zongmin
Q-Learning in Cognitive Radios	Hosey, Neil James
Hybrid Decoding Schemes for Turbo-Codes	Huang, Shujun; Zhan, Yinwei; Abhayaratne, Charith
ISIS – Urban Radio plan and time-variant characteristics of mobile vehicular network	Jeyakumar, Serenus Dayal; Linton, David
Wireless Billboard Channels established over T-DMB	Ji, Zhanlin; Ganchev, Ivan; O'Droma, Máirtín
Quality of Service in IMS based Content networking	Li, Dalton; Lv, Jonathan
A Content-based Dynamic Load-Balancing Algorithm for Heterogeneous Web Server Cluster	Lin, Zhang; Yuan, Su
Spatial - temporal Simulation and Prediction of Sandy Desertification Evolution in Typical Area of Xinjiang	Liu, Dunli; Zheng, Jianghua; Wang, Fei; Liu, Zhihui
Equivalent Circuit Modeling for On-Wafer Interconnects on SiO2-Si Substrate	Liu, Jun; McCorkell, Charles; Lou, Liheng; Sun, Lingling; Wen, Jincal
Angle Estimation based on Image Pyramid and Gray Projection	MAI, Ying; ZHAO, Hong-ying; Yan, Lei
Assessing Power Saving Techniques and Their Impact on E-learning Users	Moldovan, Arghir Nicolae; Muntean, Cristina Hava
Billing Issues when Accessing Personalized Educational Content	Molnar, Andreea Maria; Hava Muntean, Cristina
Segmentation and 3-D visualization of digital in-line holographic microscopy data.	Molony, Karen. M; Naughton, Thomas. J
The Enhanced Dv-Hop Algorithm in Ad Hoc Network	Pin, Zhang; Zhifu, Xu
A Blind Detection Method of Non-Periodic DSSS Signals at Lower SNR	Pu, Junjie; Zhao, Zhijin
A new algorithm of edge detection based on soft morphology	Shang, Junna; Jiang, feng
An Efficient Consolidated Authentication Scheme for the Handover Process in Heterogeneous Networks	Song, Mei; Wang, xiaojun
Lightweight Signal Processing Algorithms for Human Activity Monitoring using Dual PIR-sensor Nodes	Tahir, Muhammad; Hung, Peter; Farrell, Ronan; McLoone, Se'an; McCarthy, Tim
Digital Audio Watermarking by Magnitude Modification of Frequency Components Using the CSPE Algorithm	Wang, Jian; Healy, Ron; Timoney, Joseph
Using Apodization to improve the performance of the Complex Spectral Phase Estimation (CSPE) Algorithm	Wang, Jian; Timoney, Joe; Hodgkinson, Matthew
An Improved Decoding Algorithm for Distributed Video Coding	Wang, Zunliang; Li, Xueming; Xu, Yan
Bluetooth Power Consumption Analysis in Sniff Mode	Wen, Jiangchuan; Nelson, John
Influence of Interleaving and Channel Prediction on Adaptive Modulation	xin, Fang; rong, Zen
Necessity for an Intelligent Bandwidth Estimation Technique over Wireless Networks	Yuan, Zhenhui; Venkataraman, Hrishikesh; Muntean, Gabriel-Miro
Image interpolation using multiresolutional critical point filters with unconstrained boundary extension	Zhang, Yixiong; Wang, Weidong; Yao, Qingdong
Design of Integrated Stacked Spiral Thin-Film Transformer Based on Silicon Substrate	Zheng, Liang; Qin, Huibin; Daniels, Stephen
USING CONVOLUTIVE NON-NEGATIVE MATRIX FACTORIZATION ALGORITHM TO PERFORM ACOUSTIC ECHO CANCELLATION	Zhou, Xin; Liang, Ye; Cahill, Niall; Lawlor, Robert
Research on the Gain flatness of Fiber-Optic Parametric Amplifier with Periodic Dispersion Compensation	金, 晶; 李, 齐良

SHORT papers

Investigating the Influence of Population and Generation Size on GeneRepair Templates	Fitzgerald, Amy; O'Donoghue, Diarmuid P
Dirt and Sparkle Detection for Film Sequences	Gaughran, Peter; Bergin, Susan; Reilly, Ronan
Integrated air quality monitoring: applications of geosensor networks	Hayes, Jer Patrick; Lau, King-Tong; McCarthy, Robert J.; Diamond, Dermot
Review of Twin Reduction and Twin Removal Techniques in Holography	Hennelly, Bryan M.; Kelly, Damien P.; Pandey, Nitesh; Monaghan, David
Program Dependence Graph Generation and Its Use in Network Application Analysis	Huang, Jing; Wang, Xiaojun
Wimote as a Navigation tool for Pedestrians	Jacob, Ricky; Winstanley, Adam; Mac Aoidh, Eoin
Corpus Design Techniques for Irish Speech Synthesis	Kelly, Amelia; Ní Chasaide, Ailbhe; Berthelsen, Harald; Campbell, Nick; Gobl, Christer
Automatic Recognition of Head Movement Gestures in Sign Language Sentences	Kely, Daniel; Reilly Dellanoy, Jane; Mc Donald, John; Markham, Charles
Interpretation of Spatial Movement and Perception in Location Based Services	Mac Aoidh, Eoin; Winstanley, Adam
Intelligent Learning Systems Where are They Now?	Mitchell, George; Howlin, Colm
Twin removal in digital holography by means of speckle reduction	Monaghan, David Samuel; Kelly, Damien; Pandey, Nitesh; Hennelly, Bryan
Evaluating Twitter for use in Climate Change awareness campaigns	Mooney, Peter; Winstanley, Adam; Corcoran, Padraig
Speed up of Fresnel transforms for Digital holography using pre-computed chirp and GPU processing.	Pandey, Nitesh; Hennelly, Bryan; Kelly, Damien; Naughton, Thomas
Tram and Bus Tracker: A Dynamic Web Application for Public Transit	Shalaik, Bashir; Winstanley, Adam
An Improved Haptic Algorithm for Virtual Bone Surgery	Stack, Denis Gerard; Connell, Joseph
Approximate Analysis of Fibre Delay Lines and Wavelength Converters in an Optical Burst Switch	Tafari, Daniele; McArdle, Conor
Computing Modified Bessel functions with large Modulation Index for Sound Synthesis Applications	Timoney, Joseph; Lysaght, Thomas; Lazzarini, Victor; gao, ruiyao
Feedback Control Models and Their Application in Pedestrian Navigation Systems	Yan, Lei; Pan, Zheng; Winstanley, Adam C.; Fotheringham, A. Stewart; Zheng, Jianghua
3D tooth reconstruction with multiple B-Spline surfaces through linear least-squares fitting	Zhao, Nailiang; Ma, Weiyin
Location Based Services of University Town Based on OpenStreetMap:NUI Maynooth as an example	Zheng, Jianghua; Ciepluch, Błażej; Mooney, Peter; Winstanley, Adam
JavaScript code Fragment Analyzing for Cache Proxy	Zhou, Yachao; Wang, Xiaofei; Tang, Yi; Yang, Jieyan; Wang, Xiaojun