

2008 Regional Student Conference on Research and Development (SCOReD 2008), 26-27 Nov, UTM Skudai, MALAYSIA

LIST OF ACCEPTED PAPERS (Emailed on 5 Nov.) – CONGRATULATIONS!

NOTE TO CONTACT AUTHORS:

1. Please check your SPAM mailboxes if acceptance emails have not been received. Please email General Chair at mazlina@fke.utm.my if you did not receive the acceptance email.
2. Instructions on Final Paper Submission are emailed from 11 Nov. Please email General Chair at mazlina@fke.utm.my if you did not receive the email by 12 Nov.
3. Full Paper submission is extended to 15 Nov.

Paper ID	Title
2	Design of an Automated Assembly Process for Flexible Manufacturing System (FMS)
6	Evaluation of Students Generic Skills Involved in Microwave Engineering Final Year Projects
7	Generic Skills Performances of Electrical Engineering Students undertaking Industrial Training
8	Centralized Failure Detection for Faulty Fiber in FTTH Access Network
9	Fiber Fault Detection and System Monitoring in Tree-Structured Optical Access Network
18	Faster PCA for 2D and 3D dimension reduction
19	Circular Planar Antenna with T-Shaped Defected Ground Slot Pairs for Reduced Size and Cross-Polarisation
20	Compact Microstrip Koch Fractal Filter with Improved Stopband
21	Modelling of Broadband Microstrip Taper Impedance Transformer using MathCAD
24	MZI-MMI Switch Based on Thermo-Optic
28	Improved Livestock Management System Implemented using RFID Technology
30	Microstrip Multiband EquiRipple Broadband Impedance Transformer
33	Secure Routing using Frequency Hopping in Wireless Sensor Network
36	Electronic Device Thermal Optimization Using Genetic Algorithm
37	A New Approach for Passive Optical Network Remote Monitor and Control Based on PIC Microcontroller Integrated Ethernet
38	Performance Evaluation of Genetic Algorithm for System Identification of a Flexible Structure
39	Modified Cosine S-Bend Power Splitter
40	Microstrip bandpass filter with enhanced stopband performance
41	RF Resistor Characteristics
42	Sidelobe Reduction on Unequal Linear Array Antenna

43	RF Filter Based on RF LC Components
44	Numerical Simulation Analysis of Nanoscale Planar and Vertical Field Effect Transistor
45	Development of a smart method via Cumulative Probability Distribution Table to Enhance Students ability in Solving Discrete Distributions
46	A Software for Monitoring the Search Performance of a Hybrid Ant Colony Optimization Algorithm
47	Using XML to Monitor the Search Performance of a Hybrid Metaheuristic
48	Hybrid Intelligent Web Browser Caching Scheme based on Neuro-Fuzzy System
49	Dual Band Microstrip Power Splitter
50	Investigation of RF Capacitor Characteristics
51	Design and Fabrication of True Time Delay Phase Shifter on Gallium Arsenide Substrate
52	Development of 2.4GHz Multi Input Multi Output Quadrature Direct Conversion Transceiver Architecture
53	An Effective Real Time Schedule Detection
54	Enhancement of Available Transfer Capability in Deregulated Power System Using TCSC
55	An Investigation to Upgrade the Global System for Mobile (GSM) Industry
56	Optimization of a Fuzzy Controller in Mobile Robot Obstacle Avoidance
57	Numerical Approach to the Drift Velocity Limits in P-type Silicon Nanowires
58	A High-Gain and High-Speed OTA for 10-bit 50Ms/s Pipeline ADC
59	Chirality Dependence Drift Velocity of (5,3) Carbon nanotube
60	AUTOMATIC SPEAKER IDENTIFICATION USING REUSABLE AND RETRAINABLE BINARY-PAIR PARTITIONED NEURAL NETWORKS
61	Application of Polyvinylidene Fluoride for Temperature Dependent Ultrasound Intensity Measurement
62	Optical Front-End Receiver Structures for Free Space Optics
63	Supply Chain Performance Measurement Using Fuzzy Logic; Current Research and Future Directions
64	Simulation of Linear Array for Beam Reconfigurability
65	Reconfigurability Characteristics of a Microwave Fractal Dipole Antenna
66	UWB Microstrip Filter for Radiowave Applications
67	Optimising the beam radiation of a wireless sensor network
68	Reconfigurability Performance of a Printed Antenna
69	Numerical Study of Carbon Nanotube Fermi energy near parabolic band structure
70	Fabrication and Characterization of Optical 1x12 Fused-Taper-Twisted Polymer Optical Fiber Splitters

71	Analysis of Two Training-based Channel Estimations for MIMO System
72	FPGA based Alamouti encoder for MIMO system
73	Neutron total cross-sections and resonance parameters of Palladium and Tantalum
74	An Approach of Web-Based FTP System Using Open Source (WeBFOS)
75	Analysis of Wavelet Threshold De-noising for GPS/INS System
76	Speed Control of Buck-converter Driven DC Motor
77	A Fast Algorithm for Vertical Edge Detection
79	Securing MANETs through intelligent agents
80	A Review of Authentication Techniques in MANET
81	Multilane-Multiple Traffic Intersection Using Fuzzy Inference
82	Comparison between Star (Wye) - Delta and Autotransformer Induction Motor Starting in terms of Power Quality
83	Effect of Underfill Properties to Solder Bump Reliability Under Accelerated Temperature Cycling in HiCTE Ceramic Flip Chip Ball Grid Array
84	Design of a Lorentz Force Actuated Micromachined U-Shaped cantilever Device for Magnetic Field Detection
85	Sensitivity of Different Types of Personal Computers To Voltage Sags
86	Assessing Wireless Security Implementation in Government and Private Sector Companies in Malacca – A Case Study
87	Performance Analysis of UWB Systems in the Presence of Narrowband Interference
88	A Capacitive Device for the Detection of Air Bubbles in Fluids
89	Modeling and Control of Active Suspension Hydraulically Actuated System
90	Early Detection Of Breast Cancer Using Wave Elliptic Equation With High Performance Computing
91	Changing Topology Analysis for Ad Hoc Routing Protocol Environment
92	Lightning Detector Sensor for Mobile Ad Hoc Network (MANET)
93	Determination of Pressure to Free-field Correction Factor For Measuring Microphones of Sound Level Meters
94	Characterisation of Capacitances –Voltage in CMOS Floating Gate Defect (FGD)
95	Analysis of Buried Optical Waveguide Channel Using Finite Difference Method
96	The Application of FPGA to generate PWM for Resonant Power Converter
97	A Review of White Blood Cell Segmentation and Classification
98	IMAGE RECONSTRUCTION ALGORITHM BASED ON LEAST SQUARE WITH REGULARIZATION FOR PROCESS TOMOGRAPHY SYSTEM USING ELECTRICAL CHARGE CARRIED BY PARTICLES

99	An Overview of Mobile Ad-Hoc Network Testbeds
100	Hands-on Experiences on Controlling Cartesian Robot using CX-Programmer
101	Development of overcurrent relay block using basic simulink blocks
102	Simulation of NMOS Gate Width Variations
103	ANFIS Approach for Locating Faults in a Distribution System
104	An efficient Method to construct Code Family for Spectral Amplitude Coding OCDMA
105	Performance Analysis: Vectors Combinatorial Codes (VCC) Families for SAC-OCDMA
106	Application of Electric Charge Tomography for Imaging Industrial Process
107	Determining the Best Polishing Method for Polymer SU-8 Waveguide
108	Comparison of Feature Extractors for Face Recognition
110	Integrating Mobile Ad-Hoc Network (MANET) over IPv6 network
111	Service Discovery in 6loWPAN Wireless Sensor Network using P2P Technology
112	Implementation of RFID System for UTM Secured Entrance
114	Medical Image Classification and Symptoms Detection Using Neuro Fuzzy
115	Parameter Extraction for Control of a One Dimensional Movement by Brain Signal
116	Lead Free Solder Wrinkle Surface Improvement on FCPBGA
117	Intermetallic Compound Microstructure and Solder Joint Strength Characterization of SnAgCu and SnAg Lead-Free Solder Sphere on FCPBGA
118	PAPR Analysis for OFDM Based on DT-CWT
119	Parallel Fuzzy and PID Controller to Improve Accurate Positioning of DC Motor Positioning Control System in Noisy Environment
120	Polarization- Insensitivity for 2x2 Multimode Interference (MMI) Polymer-Silica Cross Coupler
121	NEURAL-GENETIC CONTROLLER FOR GANTRY CRANE MODEL SYSTEM
122	SMART CARD SPECIFICATION
123	Compact Microstrip Bandpass Filter Using Dissimilar Coupled Resonators with Elliptic Function Passband
124	A new transmitter-receiver structure based on fiber Bragg gratings (FBGs) for VCC code
125	Pico Hydro Electric Power Generation
126	A Standard Framework for Evaluating Ant Colony Optimization Algorithms that Solve Quadratic Assignment Problems
127	The Synergy Effect Between Max-Min Ant System and Genetic Algorithm when Solving Quadratic Assignment Problems

128	Robust QFT Controller Design for Positioning a Pneumatic Servo Actuator
129	SMART ANTENNA SYSTEM USING CASCADED BUTLER MATRICES
131	A Constant Torque Controller for Direct Torque Control of Permanent Magnet Synchronous Motor
133	Handover Mechanisms for Real-time Application in Mobile WiMAX
135	Automatic White Blood Cell Segmentation using Color-Intensity Histogram Thresholding Technique
136	Measuring Impact of DoS attacks on DNS traffic
137	Viscosity Effect on Low Reynolds Number Mixing in Y-Micromixer
138	A Study on Wavelet-DCT Based Image Coder for Video Coding Applications
139	Miniaturization of cascade dual-mode microstrip bandpass filter
140	REDUCED SIZE BRANCH-LINE COUPLER
141	MAHIS-Security Specification Language
142	A Generate-and-Test Approach for DNA Sequence Design of the Direct-Proportional Length-Based DNA Computing
143	K-Means Clustering for DNA Computing Readout Method Implemented on DNA Engine Opticon II System
144	Performance of Sugeno-type Fuzzy Logic Controller (SFLC) for a Modular Structured Multilevel Inverter (MSMI)
145	Studies on Control Electronics Implementation for Bridge Rectifier Circuit with Active Power Filter Function
146	Mapping TEC Using Regional Model and Comparison with IGS and IRI2007
147	Small-Scale Steam Distillation Plant for Cymbopogon Nardus Essential Oil Extraction
148	The SAFs and TFs Functional Testing of SRAMs Memories
149	POWER SYSTEM STATIC SECURITY ASSESSMENT UNDER CONTINGENCIES AND LOAD INCREASES USING ARTIFICIAL NEURAL NETWORK
150	Development of Logic Analyzer using Spartan 3E FPGA
151	Emerging Non-CMOS Nanoelectronic Devices Based on Electrical Properties
152	An Approach to Modeling and Control of Coupled-Tank Liquid Level Control System
153	THE POWERLINE COMMUNICATION-BASED COMPUTER NETWORKING IS THE SOLUTION FOR COMPUTER NETWORK INSTALLATION
154	Malware Control : Issues and Challenges
155	PI Controller Design Using Model Reference Adaptive Control Approach for a Chemical Process

156 UWB Microwave Filter Utilising Half-Wavelength Open-Circuited Stubs

157 Development of Microstrip Patch Antenna for MIMO System

158 End-to-end Implementation of WiMAX Testbed in Simulink and its Performance Evaluation

159 A Preliminary Study on Waveguide Based Variable Optical Attenuator

160 Customer-Made 1x3 Fused-Taper-Twisted Polymer Optical Fiber Splitters for Home Network Application

161 Dynamic Modelling and Sway Control of a Three Dimensional Gantry Crane

162 Ultra-wideband Printed Monopole Circular Antenna

163 A Slotted Fork Ultra-Wide Band (UWB) Antenna

164 Design and Analysis of an Active Thermal Control System for IC Package

165 Shorted Microstrip Patch Antenna with Parasitic Elements

166 Development of Telephone Line Security Device

167 A Broadband Reflectarray Antenna Concentric Ring Square Element for Dual Frequency Operation

168 Radio Frequency Identification Based E – Vehicle Plate Tracking System

169 A Technique for Dynamic Modelling of a Two-link Flexible Manipulator

170 Student Centered Learning: First Year Students' Perceptions in The Dept of Computer and Communication
System Engineering, UPM

171 Parameter Estimation for a System Operating In Closed-Loop

172 Overview of Passive In-line Monitoring Device for FTTH-PON network

173 Simulation Study of Induced Voltages on Segamat Gas Pipelines Due to Lightning Strikes

174 Angle adjustment in MATLAB controlled mobile robot

175 Reconfigurable Dual-Band Antenna Using MEMS for Wireless Application

176 Wireless Sensor Networks Energy and Latency Efficient MAC Protocols

177 Design of Multilayer Coupled Lines Microstrip Bandpass Filter For Wideband Application

178 New Approach to Hybrid Biological Intrusion Prevention and Self-healing System for Network Security

180 Two Node Camera Network Aboard A Vehicle and Its Application To Building Traffic Topology

181 Low-pass Filter Integration for Out-of-Band Improvement of the Quarter Wavelength Side-Coupled Ring
Resonator

182 Iris Image Localization using Binning Approach

183 Dynamic Self-regenerative Network Software using biologically Inspired Model

184 Simulation of Single-Phase Parallel Active Power Filter Using Single-switch

185 Simulation of Single Phase Matrix Converter Operating as a Four Quadrant DC-DC Chopper

186 Simulation of Single-Phase Inverter Operation using Single Phase Matrix Converter Topology

188 Characteristic Power on Dynamic Grid Connected Photovoltaic System Modeling Using Matlab

189 Delta-encoding for Document Revision Control System of Wikipedia

190 MALAYSIAN AUTOMATIC LICENSE PLATE RECOGNITION (M-ALPR)

191 1D Photonic Crystal Band Diagram Using Plane Wave Expansion Method (PWEM)

192 Trapezoidal U-slot Patch Antenna for Wireless LAN Applications

193 Single-Phase Matrix Converter Operating as Buck and Boost Rectifier Using Simulation

194 Wood Species Recognition based on Gabor Filter Image Processing Technique

195 PRBS Characteristic Studies and Perturbation Analysis using Correlation Function

196 DEVELOPMENT OF ANTENNA FOR LOW-FREQUENCY RADIO TELESCOPE

197 A Small Mobile Robot for Teaching Embedded Real-Time Programming

198 A Ternary Replication Strategy for Improving Availability and Maintaining Consistency of Data in Large Scale Mobile Distributed Environments

199 Effect of Silica Filler in Reducing Mold Void in PBGA Package

200 Performance analysis of efficient (3, k) regular LDPC codes

201 Fuzzy-PID Compensator To Improve Yaw Angle Control System Response In Twin Rotor MIMO System (TRMS) In A Noisy Aerodynamic Environment

202 Ionosphere Maps during Geomagnetic Disturbances Obtained from GPS Observations

203 LQR Control of a Two Wheels Inverted Pendulum Mobile Robot

204 Development and Analysis of Gage R&R for High Volume Manufacturing Testing

205 Tackling University Course Timetable Constraints using the Combination of Swarm Intelligence and Local Search

206 A Chaos Based Random Interleaver and Its Analysis

207 Effect of Underfill Properties on Solder Bump Reliability under Accelerated Temperature Cycling in HiCTE Ceramic Flip Chip Ball Grid Array

208 Integrated Circuit Test Fixture Limitation Analysis from Experimental and Simulation Approach

209	Effect of Thickness and Operating Temperature on Copper-Indium-Selenium (CIS) Solar Cells with Various Buffer Layers from Numerical Analysis
210	Effects of Absorber and Window Layer Thickness on CdS/CdTe Thin Film Solar Cells from Numerical Analysis by SCAPS 1D
211	Parallel Genetic Algorithm Method for Unit Commitment Problem
212	A Novel Clustering of the SOM using Rough set
213	Throughput and Delay Performance Improvement of Multihop-RTS MAC Protocol using Adaptive Antenna Arrays for Mobile Ad-Hoc Network
214	Antenna Design for RFID Systems Using Planer Inductor
215	Implantation Impact on Silicon Solar Cells with Two-dimensional Texturing
216	Effect of Plasma Cleaning Process in the Wettability of Flip Chip PBGA Substrate
217	Lead Free Solder Wrinkle Surface Improvement on FCPBGA
218	Development of The Propagation Paths and Selection of Modes for Active Noise Control by Using State-Space Formulation
219	Non-Linearity Compensation in Laser diode by instigating the Feed-Forward Linearization System in Free Space Optical Link (FSO).
220	Towards an Automatic Malaysian Plate Detection and Recognition using a New Vertical edge Detection Algorithm (VEDA) and Hybrid Fuzzy
221	MODELLING IN DEVELOPMENT MANAGEMENT INFORMATION SYSTEM FOR CUSTOMER SERVICE IN KABUPATEN KENDAL BASED ON GIS
222	The Research Proposal for Survivability PON based on ACS
223	Impact of Rain Attenuation on High Altitude Platform Station Backhaul Link in Malaysia
224	Real time onset failure detection and diagnosis in rotating machinery using AE techniques
225	Application of Acoustic Emission Method for Incipient Detection of Bearing Faults
226	Feed-foreword artificial neural network model to predict net power of gas turbine
227	Investigation of using Neuro Fuzzy and Self Tuning Fuzzy Controller on Improving Pitch angle respose of Twin Rotor MIMO System
228	A Comparative Study on Amorphous Silicon based Thin Film Solar Cells by AMPS-1D
229	Optimization PSO Fuzzy for Truck Backer-Upper Problem
230	Reconstruct 3D Facial Model from Single Photograph by using User-guided Shape from Shading
232	A Multi-Agent Algorithm for Latest Updates and Decision Making on Stock Value
233	Identification of Test Rig for A Quarter Car Active Suspension Systems

234 eL-MAC: An Enhanced Energy Efficient TDMA-based MAC Protocol for Wireless Sensor Network

235 On-line Signature Verification: A Prototype using Pressure and Position

236 Assessment of Pruned NNARX Network for Steam Distillation Essential Oil Extraction System

237 Interference Study and Challenges in MIMO Multiband OFDM for Cognitive UWB Systems

238 The Key Representation Auditing Scheme for Securing Statistical Databases

239 Reliability Modeling of Microelectronics Assembly

240 Internet Call Delay on Peer to Peer and Phone to Phone VoIP Network.

241 Comparison of illumination invariant methods for face recognition system

242 Intelligent Cricket Decision Making System Using Snicko Analysis

243 Traffic Adaptive Backoff Schemes for Medium Access Control Protocol in Wireless Sensor Networks and
Wireless Local Area Networks

244 Instantaneous System Modeling over Lossy Network

245 DISCRETE WAVELET BASED OFDM SYSTEM

246 CMMI ISSUES AT INITIAL LEVELS IN PAKISTANI IT INDUSTRY

247 The Development of Watermelon Ripeness Tester Using Infrared (IR) System

248 OFDM Radio over Fiber for Wireless Communication Systems

249 Real-time Communication Routing Protocol for Home Automation via Power Line

250 Shape-Based Sorting of Agricultural Produce using Artificial Intelligence in a MATLAB / SIMULINK
Environment

251 Detecting Cholesterol Presence using Iris recognition algorithm

252 Clustered Directed Diffusion with Virtual Backbone for Wireless Sensor Networks

253 Effect of Pre-sonication on the Size-distribution of Griseofulvin Nanoparticulates During Wet Nano-milling

254 A Comparative among Recent & Proposed Hybrid Pattern Classification Modelling for Speaker Recognition

255 Characterization of Si₃N₄ MIM Capacitors Fabricated on GaAs Substrate

256 WRAN Cognitive Radio and Cyclostationary Features of Analog TV and Wireless Microphone

257 WEB MARKETING FOR ONLINE TRADING

258 Mobility Study In Position Based Routing Protocol For Mobile Ad Hoc Network

259 A Bio-Inspired Secure Routing Protocol for WSNs

260	Binary Particle Swarm Optimization for Single Objective DNA Sequence Design
261	Design of Portable Sensors for PIC Based Datalogger
262	A Simulation Model of Photovoltaic Array with MPPT Control Algorithm in MATLAB
265	Changes in Brain Activity During Isometric Contraction of Hand's Muscle Using Time-Frequency Analysis
266	Generating Signal Using Semantic Mining Algorithm
267	Effects of variations in line width on the equivalent circuit model of Microstrip Spiral Inductors implemented using GaAs technology
268	EFFECTS OF SUBSTRATE COUPLING IN MIXED SIGNAL ICS
269	Study of Variation in Process Parameters and Supply Voltage in Various CMOS Technologies
270	Iterative RLC Delay Models for Simultaneous Routing and Buffer Insertion in VLSI Routing
271	NON-CONTACT PARTIAL DISCHARGE ULTRASONIC DETECTION ANALYZED IN FAST FOURIER TRANSFORM
272	Modeling of Stimulated Brillouin Scattering for the Generation of Millimeter Waves for Radio over Fiber System
273	A Comparative Study of CMOL Technology and FPNI Technology
274	High Speed and High Responsivity CMOS Image Sensors
275	RLS Based on Observations Continuity for Instantaneous Wireless System Modeling
277	Transmission of Image Transfer in wireless Multimedia Sensor networks
278	TRG Wireless ECG Sensor for Medical Healthcare Application
279	Data delivery Optimization through Reduced Energy holes in Sink's Vicinity of Wireless Sensor Network
280	CLASSIFICATION ALGORITHM FOR SIX DIFFERENT DEFECTS ON BARE PRINTED CIRCUIT BOARD
281	Plagiarism Detection In Arabic Scripts Using Fuzzy Information Retrieval
284	Peak-To-Average Power Ratio (PAPR) Reduction using SLM in Pilot Assisted Block-Coded OFDM System
285	FPGA IMPLEMENTATION OF ADAPTIVE MODULATION AND CODING (AMC) SYSTEM
287	OPTIMIZATION OF INSENSITIVE OPTICAL COUPLER AT C BAND OPERATIONAL WAVELENGTH
288	Effects of somatosensory stimulation on cortico-muscular synchronization in humans
289	Supply Chain Performance Measurement Using Fuzzy Logic: Current Research and Future Directions
290	Adaptive Neuro-Modeling of a Twin Rotor System