

DAY 1, TUESDAY, 23 SEPTEMBER 2014	
ICCCE Keynote Sessions, Tuesday, 23 September 2014: 09.00 – 10.15	
09.00 – 09.30	09.30 – 10.00
Keynote Session 1 & 2	
Chairperson: Dr. Musse Mohamud Ahmed	
Venue: Ballrom 1	
Keynote Speaker 1: Prof. Dr. Abdul-Rahman Al-Ali Title: <i>Cloud Computing Paradigm as Smart Grid Enabling Technology</i>	Keynote Speaker 2: Prof. Dr. Ismail Musirin Title: <i>AI Application Techniques for Solving Engineering Problems</i>
TEA BREAK 10.15-10.45	

Please click the paper title to access the full paper.

Parallel Technical Sessions 1, Tuesday, 23 September 2014: 11.00 – 13.00			
1A: Signal and Image Processing			
Chairperson: Prof. Dr. Othman O. Khalifa		Co-chair: Dr. Malik Arman Morshidi	
Venue: Ballroom 1			
11.00 – 11.15	11.15 – 11.30	11.30 – 11.45	11.45 – 12.00
1009 Posture Characterization Based on Time and Frequency Domains Parameters for Erector Spine SEMG Signal <i>Mohammed Shobaki, Noreha Abdul Malik, Sheroz Khan, Anis Nurashikin Nordin, Samnan Haider, Khairul Azami Sidek</i> Malaysia	1015 Vision Aided Path Planning for Mobile Robot <i>M.A. Rashidan, Yasir Mustafah, S.B.A. Hamid, S.Y.A. Mounis, N.K.A.M. Rashid</i> Malaysia	1031 Template Matching Techniques for Iris Recognition System <i>Umme Tahmina Tania, S.M.A. Motakabber, Muhammad Ibn Ibrahimy</i> Malaysia	1035 Bispectrum based Feature Extraction Technique for Multichannel EEG Signal <i>Mohammad Rubaiyat Hasan, Muhammad Ibn Ibrahimy, S.M.A. Motakabber</i> Malaysia
12.00 – 12.15	12.15 – 12.30	12.30 – 12.45	12.45 – 13.00
1023 Application of Image Encryption using Chaotic Logistic Map <i>M. Amr Mokhtar, S. Gobran, El-Sayed A.M. El-Badawy</i> Egypt	1029 Colored Image Encryption Algorithm using DNA Code and Chaos Theory <i>M. Amr Mokhtar, S. Gobran, El-Sayed A.M. El-Badawy</i> Egypt	1049 Video Viewing and Streaming Enhancement <i>Mohamed Jameel Yazeer, Othman Khalifa</i> Malaysia	1050 Vision-based Detection and Tracking of Moving Target in Video Surveillance <i>Sabri Mohammed Alamin Alshrief Ahmed, Othman Khalifa</i> Sudan

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1B: Instrumentation and Control				
Chairperson: Prof. Dr. Khalid A.S. Al-Khateeb		Co-chair: Dr. Hasmah Mansor		Venue: Merak
11.00 - 11.15	11.15 - 11.30	11.30 - 11.45	11.45 - 12.00	
<p>1008 Acquisition of A Very Low Voltage and A Low Frequency Biomedical Signal— Frequency Selective Filter Design</p> <p><i>M.M. Mohammed Shobaki, Anis N. Nordin, Noreha Abdul Malik, Sheroz Khan</i></p> <p>Malaysia</p>	<p>1014 Energy Harvesting for Back-up Power Supply Using Speed Humps</p> <p><i>Umair Ahmed Khan, Sheroz Khan, Amelia Wong Azman</i></p> <p>Malaysia</p>	<p>1016 Autonomous Navigation of Mobile Robot using Kinect Sensor</p> <p><i>N.A. Zainuddin, Yasir M. Mustafah, Z.Z. Abidin, S.Y.A. Mounis, N.K.A.M. Rashid</i></p> <p>Malaysia</p>	<p>1033 Analysis of Power Transfer Efficiency of Inductive Coupled Telemetry System for Wireless Power Transfer</p> <p><i>Mohammad Shawkat Habib, Mohammad Mizanur Rahman, Atika Arshad, Sheroz Khan</i></p> <p>Malaysia</p>	
12.00 - 12.15	12.15 - 12.30	12.30 - 12.45	12.45 - 13.00	
<p>1040 Parameter Optimization for Piezoelectric Micro-energy Harvesting System</p> <p><i>Mohammad G. Mostafa, S.M.A. Motakabber, M.I. Ibrahimy, T. Rahman</i></p> <p>Malaysia</p>	<p>1048 Development of a Photoplethysmography Signal Processing Method for Oxygen Measurement Concentration</p> <p><i>Waiz Ahmed, Sheroz Khan, Khairul Azami Sidek</i></p> <p>Malaysia</p>	<p>1053 Phase Synchronous Inverter: A Literature Survey on Microgrid System</p> <p><i>Tawfikur Rahman, M.I. Ibrahimy, S.M.A Motakabber, Mohammad G. Mostafa</i></p> <p>Malaysia</p>	<p>1069 Capacitive Proximity Sensing System For Indoor Localization And Activity Tracking In Health Monitoring</p> <p><i>Atika Arshad, Sheroz Khan, AHM Zahirul Alam, A.F. Ismail, Rumana Tasnim</i></p> <p>Malaysia</p>	
1C: Ad-hoc and Sensor Networks				
Chairperson: Prof. Dr. Farhat Anwar		Co-chair: Dr. Suhaimi Abd. Latif		Venue: Meeting Room 2
11.00 - 11.15	11.15 - 11.30	11.30 - 11.45	11.45 - 12.00	
<p>1010 Routing Protocols -Context for Bluetooth Scatternets</p> <p><i>Abd-Alhakem Sh. Alkrabash, Mohamed Elshebani</i></p> <p>Libya</p>	<p>1052 Performance Analysis of DSR protocol on the Basis of DSSS Rate</p> <p><i>Saqib Hakak, Suhaimi Latif, Farhat Anwar, M.K Alam, Gulshan Gilkar</i></p> <p>Malaysia</p>	<p>1054 A Review on Channel Access Control Mechanism to Improve the Dependability in Body Area Networks</p> <p><i>M. Akter, M.K. Alam, Nor Farahidah Za'bah, Suhaimi Abd. Latif, Y. Arafat, S.M.S. Bari</i></p> <p>Malaysia</p>	<p>1056 Impact of Packet Size and Node Mobility Pause Time on Average End to End Delay & Jitter in MANET's</p> <p><i>Saqib Hakak, Farhat Anwar, Suhaimie Latif, Gulshan Gilkar, M.K Alam</i></p> <p>Malaysia</p>	

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12.00 - 12.15	12.15 - 12.30	12.30 - 12.45	12.45 - 13.00
<p>1067 Enhancement of Bluetooth Security Authentication using Hash-based Message Authentication Code (HMAC) Algorithm</p> <p><i>Alhassane Saliou Diallo, Wajdi Fawzi M. Al-Khateeb, Rashidah F. Olanrewaju, Fatai Sado</i></p> <p>Malaysia</p>	<p>1111 A Survey on Vehicular Communication and Cellular Network Integration (Heterogeneous)</p> <p><i>Amal A. Eltahir, Rashid Saeed, Rania A. Mokhtar</i></p> <p>Sudan</p>	<p>1129 Investigation of Gateway Placement Optimization Approaches in Wireless Mesh Networks using Genetic Algorithms</p> <p><i>Awadallah M. Ahmed, Aisha Hassan A. Hasim, Wan Haslina Hassan</i></p> <p>Malaysia</p>	<p>1147 RSS Based Localization Techniques for Zigbee Wireless Sensor Networks</p> <p><i>Mohamed Hadi Habaebi, Rashid Omar Khamis, Alhareth Zyoud, Md Rafiqul Islam</i></p> <p>Malaysia</p>

Parallel Technical Sessions 2, Tuesday, 23 September 2014: 14.00 – 16.00

2A: Signal and Image Processing

Chairperson: Dr. Teddy S. Gunawan

Co-chair: Dr. Khairul Azami Sidek

Venue: Ballroom 1

14.00 – 14.15	14.15 – 14.30	14.30 – 14.45	14.45 – 15.00
<p>1062 Analysis And Classification of Airborne Radar Signal Types Using Time-Frequency Analysis</p> <p><i>Ashraf Adamu Ahmad, Ahmad Zuri Sha'ameri</i></p> <p>Malaysia</p>	<p>1063 Underwater Acoustic Noise Characteristics Of Shallow Water In Tropical Seas</p> <p><i>Yasin Yousif Mohammed, Ahmad Zuri Sha'ameri, Nor Hisham Khamis</i></p> <p>Malaysia</p>	<p>1081 Singular Value Decomposition (SVD)-based Orthogonal Transform Approach for Earth's Electric Field Signal Processing</p> <p><i>Winda Astuti, Momoh J E Salami, Rini Akmeliawati, Wahju Sediono</i></p> <p>Malaysia</p>	<p>1086 Multi-Stereo Camera System to Enhance the Position Accuracy of Image-guided Surgery Markers</p> <p><i>Fahed Elsammah, Wahju Sediono, Othman Khalifa, Amir Shafie</i></p> <p>Malaysia</p>
15.00 – 15.15	15.15 – 15.30	15.30 – 15.45	15.45 – 16.00
<p>1088 Classification of Retinal Images Based On Statistical Moments and Principal Components</p> <p><i>Momoh J.E. Salami, Aida Khorshidtalab, Musa Aibinu</i></p> <p>Malaysia</p>	<p>1117 Computer-Aided Diagnosis of Pulmonary Nodules from Chest X-rays using Rotation Forest</p> <p><i>Zaw Zaw Htike, Wai Yan Nyein Naing, Shoon Lei Win, Sheraz Khan</i></p> <p>Malaysia</p>	<p>1140 Qualitative Analysis on Watermarking Algorithm for Large Resolution Camera Phone Image</p> <p><i>Nazmus Saquib, T.S. Gunawan, R.F. Olanrewaju, Shayla Islam, M.K. Hasan</i></p> <p>Malaysia</p>	<p>1141 Human Gait Recognition: Viewing Angle Effect on Normal Walking Pattern</p> <p><i>Nahid Makhdoomi, T.S. Gunawan, M. Hadi Habaebi, Rosminazuin Ab. Rahim</i></p> <p>Malaysia</p>

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2B: Instrumentation and Control			
Chairperson: Dr. Hasmah Mansor		Co-chair: Dr. Norazlina Saidin	
Venue: Merak			
14.00 - 14.15	14.15 - 14.30	14.30 - 14.45	14.45 - 15.00
<p>1071 Build Architecture Design System to Intelligent Video Security System Based on Behavior Track Detection</p> <p><i>Abdul Monem S. Rahma, Abeer Salim Jamil</i></p> <p>Iraq</p>	<p>1072 Wireless Power Transmission System Based on Magnetic Inductive Resonance of Couple Circuit</p> <p><i>Rounakul Islam Bobby, Hasmah Mansor</i></p> <p>Malaysia</p>	<p>1087 Investigation on Grid Synchronization for Grid-tied DC-AC Single Phase Inverters</p> <p><i>Zeeshan Shahid, Sheroz Khan, AHM Zahirul Alam, Musse Mohamud Ahmed</i></p> <p>Malaysia</p>	<p>1100 Hybrid Fuzzy and PID Controller Based Inverter to Control Speed of AC Induction Motor</p> <p><i>M.M. Rashid, Abdulaziz Alraddadi, Ahmad M. Tahir</i></p> <p>Malaysia</p>
15.00 - 15.15	15.15 - 15.30	15.30 - 15.45	15.45 - 16.00
<p>1103 Independent Joint Control of a 3DOF Robotic System Using PI Controller</p> <p><i>Fatai Sado, Sharul Na'im Sidek, Hazlina Md. Yusuf</i></p> <p>Malaysia</p>	<p>1104 Self-tuning Deadbeat PD Controller for Pitch Angle Control of a Bench-top Helicopter</p> <p><i>Hasmah Mansor, S.B.Mohd-Noor, T.S. Gunawan, S. Khan, N.I. Othman, N. Tazali. R.I. Bobby</i></p> <p>Malaysia</p>	<p>1118 A Computer Vision-based Alarming System for Real Time Detection of Driver Sleep</p> <p><i>Shera Shahida Mohd Ariffian Amnah, O.O. Khalifa, Moussa Ali Hamdan</i></p> <p>Malaysia</p>	<p>1123 Analysis of Electrical Responses of MEMS Piezoresistive Microcantilever</p> <p><i>Rosminazuin Ab Rahim, Badariah Bais, Burhanuddin Yeop Majlis, Sheik Fareed Ookar AbuBakkar</i></p> <p>Malaysia</p>
2C: Data Mining and Database Applications			
Chairperson: Dr. Afdalina Tumian		Co-chair: Dr. Farah Nadia	
Venue: Meeting Room 2			
14.00 - 14.15	14.15 - 14.30	14.30 - 14.45	14.45 - 15.00
<p>1061 The Development of e-Doctor Based on Natural Language Processing (NLP)</p> <p><i>Arafatur Rahman, Jannatul Naeem, Farhat Anwar, Md. Saiful Azad</i></p> <p>Malaysia</p>	<p>1097 Big Data Analysis Solutions using Map Reduce Framework</p> <p><i>Sara Elagib, Aisha Hassan, Athaur Rahman Najeeb, Rashidah Funke Olanrewaju</i></p> <p>Malaysia</p>	<p>1098 A Novel Positioning Technique for Context Awareness</p> <p><i>Ahmad Faridi Abdul Matin, M.M Hafizur Rahman, Media A. Ayu</i></p> <p>Malaysia</p>	<p>1125 Complexity Analysis for Edit Distance</p> <p><i>Haris Al Qodri Maarif, Rini Akmeliawati, Teddy Surya Gunawan, Zaw Zaw Htike</i></p> <p>Malaysia</p>

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15.00 - 15.15	15.15 - 15.30	15.30 - 15.45	
<p>1128 A Statistical Framework for Identifying Past PRDM9 Binding Targets in Primates</p> <p><i>Afidalina Tumian, Simon Myers</i></p> <p>Malaysia</p>	<p>1142 Online Recognition System for Handwritten Arabic Chemical Symbols</p> <p><i>Mustafa Abuzaraida, Akram M. Zeki</i></p> <p>Malaysia</p>	<p>1146 Integrating Zigbee Modem Into Android Platform</p> <p><i>Akmal Nurhananie Abd Rahman, M.H. Habaebi, M.M. Ahmed, S. Khan, M. Ismail</i></p> <p>Malaysia</p>	

Parallel Technical Sessions 3, Tuesday, 23 September 2014: 16.15 – 17.15

3A: High Performance Networks and Protocols

Chairperson: Dr. Suhaimie Abd. Latif

Co-chair: Dr. Ani Liza Asnawi

Venue: Ballroom 1

16.15 - 16.30	16.30 - 16.45	16.45 - 17.00	17.00 - 17.15
<p>1013 Multiple Routing Configurations for Datacenter Disaster Recovery Applicability and Challenges</p> <p><i>Mohamed El Serafy, El-Sayed El-Badawy, Moustafa Aly, Ibrahim Ghaleb</i></p> <p>Egypt</p>	<p>1024 Analyzing Users' Behaviour for Modelling a Video on Demand System</p> <p><i>Sanu M. Sharief, Isam Osman</i></p> <p>Sudan</p>	<p>1057 Effect of Mobility Model and Packet Size on Throughput in MANET's</p> <p><i>Saqib Hakak, Farhat Anwar, Suhaimie Latif, M.K Alam, Gulshan Gilkar</i></p> <p>Malaysia</p>	<p>1079 Mobile Cloud Computing: Challenges and Solutions</p> <p><i>Rashidah Funke Olanrewaju, Abdalla Egal, Othman Khalifa</i></p> <p>Malaysia</p>

3B: 3G & 4G Mobile Communications

Chairperson: Dr. Farah Nadia Mohd Isa

Co-chair: Dr. Suriza Ahmad

Venue: Merak

16.15 - 16.30	16.30 - 16.45	16.45 - 17.00	17.00 - 17.15
<p>1006 System Performance of Clustered DFT-S-OFDM</p> <p><i>Wessam Salama, Shawky Shaaban, El-Sayed El-Badawy</i></p> <p>Egypt</p>	<p>1026 LTE Network Virtualization Feasibility Study</p> <p><i>Suzan Ali, El-Sayed El-Badawy, Shawky Shaaban</i></p> <p>Egypt</p>	<p>1047 Performance Analysis on Location Update Cost of Multihoming Scheme in NEMO</p> <p><i>Shayla Islam, Aisha H. Abdalla, M. Hadi Habaebi, Suhaimi Abd. Latif, H.A.M. Ramli, M.K. Hasan</i></p> <p>Malaysia</p>	<p>1105 Design of Embedded Parallel Resonance Circuit Multiband Microstrip Patch Antenna for Tablet PC</p> <p><i>M. Shawkat Habib, Md. Rafiqul Islam, Khaizuran Abdullah</i></p> <p>Malaysia</p>

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3C: Antennas and Propagation			
Chairperson: Prof. Dr. Md Rafiqul Islam		Co-chair: Dr. Saad Osman Bashir	
16.15 – 16.30		16.30 – 16.45	
16.45 – 17.00		17.00 - 17.15	
<p>1005 Availability Analysis of Terrestrial Free Space Optical Link under the Impact of Rain Condition</p> <p><i>Ahmed Basahel, Wajdi Al-khateeb, MD Rafiqul Islam, Khalid Al-Khateeb, Suriza A. Zabidi</i></p> <p>Malaysia</p>	<p>1028 Prediction of Rain-induced Cross Polarization at Millimeter Wave Bands in Guinea</p> <p><i>Mamadi 3. Fara Camara, Saad Osman Bashir, Farah Nadia Mohd Isa, Abdulwaheed Musa</i></p> <p>Malaysia</p>	<p>1039 Investigation of Forces Affecting Dust Particle Alignment in Cross Polarization</p> <p><i>Abdulwaheed Musa, Mamady 3. Fara Camara, Saad Osman Bashir</i></p> <p>Malaysia</p>	<p>1066 Rain Induced Scintillation Measurement on Satellite Link in Tropical Climate</p> <p><i>Hassan Dao, MD Rafiqul Islam, Khalid Al-Khateeb, Farah Nadia Mohd Isa, Hilmi Mohd Salleh, Muhammad Azmin Mohamed Ghazali</i></p> <p>Malaysia</p>

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DAY 2, WEDNESDAY, 24 SEPTEMBER 2014		
ICCCE Keynote Sessions, Wednesday, 24 September 2014: 08.30 – 09.15		
Keynote Session 3		
Chairperson: Dr. Sheroz Khan	Keynote Speaker: Prof. Khalid A.S. Al-Khateeb Title: <i>The Evolution of Telecommunications</i>	Venue: Merak
OPENING CEREMONY: 09.30-11.00		
TEA BREAK: 11.00-11.30		
CONGRESS KEYNOTE SPEAKER 1: 11.30-12.15 Title: <i>Science to Action (S2A)</i> Dr. Mohd Yusoff Sulaiman – President & CEO of MIGHT (Malaysian Industry-Government Group for High Technology)		
CONGRESS KEYNOTE SPEAKER 2: 12.15-13.00 Title: <i>Mathematical Modeling in Engineering</i> Dr. Shavkat Alimov - Chief Scientist, MIMOS Bhd		

Parallel Technical Sessions 4, Wednesday, 24 September 2014: 14.00 – 15.00			
4A: High Performance Networks and Protocols			
Chairperson: Dr. Suriza Ahmad Zabidi		Co-chair: Dr. Suhaimi Abd. Latif	
Venue: Ballroom 1			
14.00 – 14.15	14.15 – 14.30	14.30 – 14.45	14.45 - 15.00
1106 Two Dimensional Array Based Overlay Network for Reducing Delay of Peer-to-Peer Live Video Streaming <i>Abdullah Faruq Ibn Ibrahimy, Farhat Anwar, Muhammad Ibn Ibrahimy, Md. Rafiqul Islam</i> Malaysia	1127 Evaluation of Nested Network Mobility Approaches <i>Mohammed Babiker Ali, Aisha-Hassan A. Hashim, Wan Haslina Hassan</i> Malaysia	1137 Performance Analysis of Spectrum Sensing Schemes: A Numerical Approach <i>Mohammad Kamrul Hasan, A.F. Ismail, A.H. Abdalla, K. Abdullah, HAM Ramli, S. Islam</i> Malaysia	1139 Analysis of Free Space Optics Link Availability with Real Data Measurement in Tropical Weather <i>Suriza Ahmad Zabidi, Md. Rafiqul Islam, Wajdi Al-Khateeb</i> Malaysia

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4B: 3G & 4G Mobile Communications				
Chairperson: Dr. Mohamed Hadi Habaebi		Co-chair: Ani Liza Asnawi		Venue: Merak
14.00 - 14.15	14.15 - 14.30	14.30 - 14.45	14.45 - 15.00	
<p>1120 An Improved Component Carrier Selection Algorithm for Downlink Long Term Evolution-Advanced</p> <p><i>Huda Adibah Mohd Ramli, Farah Nadia Mohd Isa, Ani Liza Asnawi</i></p> <p>Malaysia</p>	<p>1126 Generalized Discrete Fourier Transform Based Minimization of PAPR in OFDM Systems</p> <p><i>Ahmed Mohamed Elshirkasi, Mohammad Umar Siddiqi, Mohamed Hadi Habaebi</i></p> <p>Malaysia</p>	<p>1135 Application of UWB Wireless MIMO Connectivity Inside Ships</p> <p><i>Khalid Al-Khateeb, Saqib Hakak, Zahirul Alam</i></p> <p>Malaysia</p>	<p>1143 Novel Packet Scheduling Algorithm Based on Cross Component Carrier in LTE-Advanced System with Carrier Aggregation</p> <p><i>Mohammed A.M. Al-Shibly, M.H. Habaebi, Md. Rafiqul Islam</i></p> <p>Malaysia</p>	
4C: Antennas and Propagation				
Chairperson: Dr. Elsheikh		Co-chair: Dr. Rashid Saeed		Venue: Meeting Room 2
14.00 - 14.15	14.15 - 14.30	14.30 - 14.45	14.45 - 15.00	
<p>1070 Rain Attenuation Prediction for Higher Frequencies in Microwave Communication using Frequency Scaling Technique</p> <p><i>Kesavan Ulaganathen, MD. Rafiqul Islam, Tharek Abdul Rahman</i></p> <p>Malaysia</p>	<p>1108 Analysis of the Synthetic Storm Technique Using Rain Height Models to Predict Rain Attenuation in Tropical Regions</p> <p><i>Ali K. Lwas, MD. Rafiqul Islam, M.H. Habaebi, A.F. Ismail, J. Chebil, M. Singh, A. Zyouid</i></p> <p>Malaysia</p>	<p>1109 Development of an Empirical Dust Storm Attenuation Prediction Model for Microwave Links in Arid Area – A Proposed Framework</p> <p><i>Elfatih A. A. Elsheikh, Md. Rafiqul Islam, Ahmad Fadzil Ismail, J. Chebil, M.H. Habaebi, S.O. Bashir</i></p> <p>Malaysia</p>	<p>1122 Design of Dual-Band Microstrip Patch Antenna Using C-slot for WLAN and WiMax Applications</p> <p><i>Alaa A. Yassin, Rashid A. Saeed, Rania A. Mokhtar</i></p> <p>Sudan</p>	

Parallel Technical Sessions 5, Wednesday, 24 September 2014: 15.30 – 17.30

5A: Neural Networks and Intelligent Systems

Chairperson: Dr. Musse M. Ahmed

Co-chair: Dr. Khairul Azami Sidek

Venue: Ballroom 1

15.30 – 15.45	15.45 – 16.00	16.00 – 16.15	16.15 – 16.30
<p>1017 Adaptive Background Reconstruction for Street Crime Surveillance</p> <p><i>Nor Afiqah Zainuddin, Yasir Mohd Mustafah, Amir Akramin Shafie, Mohammad Ariff Rashidan, Nor Nadirah Abdul Aziz</i></p> <p>Malaysia</p>	<p>1018 Analysis on Background Subtraction for Street Crime Surveillance</p> <p><i>Nor Afiqah Zainuddin, Yasir Mohd Mustafah, A.W. Azman, Mohammad Ariff Rashidan, Nor Nadirah Abdul Aziz</i></p> <p>Malaysia</p>	<p>1019 Detection of Different Classes Moving Object in Public Surveillance Using Artificial Neural Network</p> <p><i>Mohammad Ariff Rashidan, Yasir Mohd Mustafah, S.B.A. Hamid, Nor Afiqah Zainuddin, Nor Nadirah Abdul Aziz</i></p> <p>Malaysia</p>	<p>1020 Features Selection for Multi-camera Tracking</p> <p><i>Nor Nadirah Abdul Aziz, Yasir Mohd Mustafah, A.W. Azman, Nor Afiqah Zainuddin, Mohammad Ariff Rashidan</i></p> <p>Malaysia</p>
16.30 – 16.45	16.45 – 17.00	17.00 – 17.15	17.15 – 17.30
<p>1021 Real-time Tracking using Edge and Color Features</p> <p><i>Nor Nadirah Abdul Aziz, Yasir Mohd Mustafah, Amir Akramin Shafie, Mohammad Ariff Rashidan, Nor Afiqah Zainuddin</i></p> <p>Malaysia</p>	<p>1022 Analysis of Artificial Neural Network and Viola-Jones for Moving Object Detection</p> <p><i>Mohammad Ariff Rashidan, Yasir Mohd Mustafah, Z.Z. Abidin, Nor Afiqah Zainuddin, Nor Nadirah Abdul Aziz</i></p> <p>Malaysia</p>	<p>1036 Classification of Multichannel EEG Signal by Linear Discriminant Analysis</p> <p><i>Mohammad Rubaiyat Hasan, Muhammad Ibn Ibrahimy, S M A Motakabber, Shahjahan Shahid</i></p> <p>Malaysia</p>	<p>1080 Identification of Vessel Anomaly Behavior using Support Vector Machines (SVMs) and Bayesian Networks (BNs)</p> <p><i>Dini Oktarina Dwi Handayani, Wahju Sediono, Asadullah Shah</i></p> <p>Malaysia</p>

5B: VLSI Design

Chairperson: Dr. Nurul Fadzlil Hasbullah

Co-chair: Dr. Nor Farahidah Za'bah

Venue: Merak

15.30 – 15.45	15.45 – 16.00	16.00 – 16.15	16.15 – 16.30
<p>1007 CNTFET Spice Model: Design of a Carbon Nanotube Field Effect Transistor</p> <p><i>Soheli Farhana, AHM Zahirul Alam</i></p> <p>Malaysia</p>	<p>1032 Simulation of Electrical Characterisation on Lateral Silicon-on-Insulator PIN Diode for Space Radiation Detector</p> <p><i>Zuraidah Zainudin, Ahmad Fadzil Ismail, Sharizal Fadlie Sabri, Nurul Fadzlil Hasbullah</i></p> <p>Malaysia</p>	<p>1042 Leakage Current Different Paths With Different Switching Conditions</p> <p><i>Noman Habib Khan, M.T. Rahman, Sheroz Khan, Teddy S. Gunawan</i></p> <p>Malaysia</p>	<p>1083 3MeV- Electron beam induced Threshold Voltage Shifts and Drain Current Degradation on ZVN3320FTA & ZVP3310FTA Commercial MOSFETs</p> <p><i>Sheik Fareed Ookar Abubakkar, Yusof Abdullah, Nor Farahidah Za'bah, Nurul Fadzlil Hasbullah</i></p> <p>Malaysia</p>

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16.30 - 16.45	16.45 - 17.00	17.00 - 17.15	17.15 - 17.30
<p>1085 Hardware Implementation of ANFIS Controller for Gas-Particle Separations in Wet Scrubber System</p> <p><i>Bashir Ahmed Danzomo, Momoh-Jimoh E. Salami, Raisuddin Md Khan</i></p> <p>Nigeria</p>	<p>1091 Spiral Resonator for Ultra Wide Band Chipless RFID Tag</p> <p><i>A.K.M. Zakir Hossain, Muhammad Ibn Ibrahimy, S.M.A. Motakabber</i></p> <p>Malaysia</p>	<p>1092 Integrated Si Lens Antenna with Planar Log-Spiral Feed for THz Band</p> <p><i>A.K.M. Zakir Hossain, Muhammad Ibn Ibrahimy, S.M.A. Motakabber</i></p> <p>Malaysia</p>	<p>1144 Design and Modeling of a Microfluidics Concentration Gradient Generator</p> <p><i>Fakher Naseem, Anis N. Nordin, Ahmad Faris Ismail</i></p> <p>Malaysia</p>
5C: Computer Networks and Security			
Chairperson: Prof. Dr. M. Umar Siddiqi		Co-chair: Dr. Rashidah F. Olanrewaju	
Venue: Meeting Room 2			
15.30 - 15.45	15.45 - 16.00	16.00 - 16.15	16.15 - 16.30
<p>1051 Robust and Secure Image Steganography Based on Elliptic Curve Cryptography</p> <p><i>Diaa Eldein Mustafa Ahmed, Othman Khalifa</i></p> <p>Sudan</p>	<p>1084 r-TOLA: An Architecture for Real Time Open Learning Application for Universities</p> <p><i>Rashidah Funke Olanrewaju, Thouhedul Islam</i></p> <p>Malaysia</p>	<p>1093 Development of an Enhanced Scheme for NEMO Environment</p> <p><i>Mohamed Geaiger, Aisha Hassan, Othman Khalifa, Elsheikh Elsheikh</i></p> <p>Sudan</p>	<p>1101 An Investigation of CGA (Cryptographically Generated Address)-based Authentication for Mobile IPv6</p> <p><i>Sana Qadir, Mohammad Umar Siddiqi</i></p> <p>Malaysia</p>
16.30 - 16.45	16.45 - 17.00	17.00 - 17.15	17.15 - 17.30
<p>1121 A Cryptographic One-to-many Reversible Mapping and Its Applications</p> <p><i>Nashrul Hakiem, Mohammad Umar Siddiqi</i></p> <p>Malaysia</p>	<p>1134 Simplified Channel Authentication Algorithm for Secure Quantum Key Distribution</p> <p><i>Mohamed Y.K. Elwadeya, Khalid Al-Khateeb, Nurul Fadzlin Hasbullah</i></p> <p>Malaysia</p>	<p>1145 Traffic Aware Wireless Sensor Networks MAC protocol for Smart Grid application using Spiral Backoff Mechanism</p> <p><i>Musse Mohamud Ahmed, Sadakatul Bari, M.H. Habaebi, S. Khan, Farhat Anwar</i></p> <p>Malaysia</p>	<p>1148 Robust Image Watermarking Scheme by Discrete Wavelet Transform</p> <p><i>M. Abdullatif, O.O. Khalifa, A.M. Zeki, R.F. Olanrewaju</i></p> <p>Malaysia</p>

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