

## PROGRAM TENTATIVE

### 27<sup>TH</sup> OCTOBER 2015

08:00	Registration
09:00	Opening Ceremony
10:00	Keynote Speaker 1 (Super'15)
10:45	Tea break
11:00	Keynote Speaker 2 (AppECE'15)
11:50	Keynote Speaker 3 (Cias'15)
12:30	Lunch break
14:00	Parallel session 1 (SuPER'15, Cias'15 & AppECE'15)
15:30	Tea break
16:00	Parallel session 2 (SuPER'15, Cias'15 & AppECE'15)
17:30	End of day 1 sessions
20:00	Conference Dinner

### 28<sup>TH</sup> OCTOBER 2015

09:00	Parallel session 3 (SuPER'15, Cias'15 & AppECE'15)
10:30	Tea break
11:00	Parallel session 4 (SuPER'15, Cias'15 & AppECE'15)
12:30	Lunch break
14:00	Parallel session 5 (SuPER'15, Cias'15 & AppECE'15)
15:30	Tea break
16:00	End of Day 2 sessions

## ROOMS

CONFERENCE ROOMS	LOCATION
Keynote Speaker	Arabian 4
Dinner	Arabian 5
<b>Room 1:</b> SuPER'15: SESSION 1 SuPER'15: SESSION 3 SuPER'15: SESSION 5 SuPER'15: SESSION 7 Cias'15: SESSION 5	Arabian 1
<b>Room 2 :</b> SuPER'15: SESSION 2 SuPER'15: SESSION 4 SuPER'15: SESSION 6 SuPER'15: SESSION 8 Cias'15: SESSION 6	Arabian 7
<b>Room 3:</b> Cias'15: SESSION 1 Cias'15: SESSION 2 Cias'15: SESSION 3 Cias'15: SESSION 4 Cias'15: SESSION 7	Arabian 8
<b>Room 4:</b> AppECE'15: SESSION 1 AppECE'15: SESSION 2 AppECE'15: SESSION 3 AppECE'15: SESSION 4 AppECE'15: SESSION 5	Arabian 9

## SuPER'15: SESSION 1

Date : 27 October 2015  
 Time : 14:00-15:30  
 Room : 1 (Arabian 1)  
 Track : Renewable Energy, Energy Efficiency and Energy Policy  
 Chair : Abdul Azim  
 Time keeper : Norhafidzah Saad

NO	PAPER ID	TITLE	TIME
1	172	<b>Gui Based Energy Saving Controller For Lighting And Air-Conditioning Application In Lecture Hall Via Power Line Communication Module</b> <i>Norhafidzah Saad, Mohammad Abas</i>	14:00 – 14:15
2	84	<b>A Review Of The Fault Ride Through Requirements In Different Grid Codes Concerning Penetration Of Pv System To The Electric Power Network</b> <i>Ali Al-Shetwi</i>	14:15 – 14:30
3	91	<b>The Impact Of Power Source To The Outline Design Of A Kei-Segment</b> <i>Abdul Azim, Hariri Abdullah</i>	14:30 – 14:45
4	161	<b>A Review On Photovoltaic Array Behavior, Configuration Strategies And Models Under Mismatch Conditions</b> <i>Ali Humada, Mohd Suleiman, Mojgan Hojabri</i>	14:45 – 15:00
5	68	<b>Analysis Of The Potential Of Harnessing Tidal Energy In Malaysia</b> <i>Nurul Ain Mohd Yusoff, Noor Lina Ramli, Mohd Rusllim Mohamed</i>	15:00 - 15:15
6	140	<b>Feasibility Study Of Matrix Bridge Configuration For A Wec Power Take-Off System</b> <i>Ahmad Annuar</i>	15:15 – 15:30

## SuPER'15: SESSION 2

Date : 27 October 2015  
 Time : 14:00-15:30  
 Room : 2 (Arabian 7)  
 Track : Power Electronics and Drives  
 Chair : Muhammad Ikram Mohd Rashid  
 Time keeper : Nur Wahidah Basri

NO	PAPER ID	TITLE	TIME
1	50	<b>Simulation On Modified Hysteresis Current Control In Half-Bridge Bidirectional Dc-Dc Converter</b> <i>Nurul Azwa Othman, Hamdan Daniyal, Mohd Shafie Bakar,</i>	14:00 - 14:15
2	77	<b>Modelling And Simulation Of Split Plug-In Hybrid Electric Vehicle Using Advisor</b> <i>Muhammad Ikram Mohd Rashid, Hamdan Daniyal</i>	14:15 - 14:30
3	93	<b>Islanding Detection Using Inverter Dc-Link Voltage</b> <i>Saidu Mohammed</i>	14:30 - 14:45
4	123	<b>Matrix Converter: A Review</b> <i>Nur Wahidah Basri, Hamdan Daniyal, Mohd Shafie Bakar</i>	14:45 - 15:00
5	104	<b>An Optimal Electric Machine Control System Design Used In Plug-In Hybrid Electric Boat</b> <i>Muhamad Zalani Daud, Salisa Abdul Rahman, Koay Zeng Kin, Siti Norbakyah Jabar</i>	15:00 - 15:15
6	96	<b>Modeling And Simulation Of Upfc For Dynamic Voltage Control In Power System Using Pscad/Emtdc Software</b> <i>Norhafidzah Saad, Mohammad Abas, Noor Lina Ramli</i>	15:15 - 15:30

## SuPER'15: SESSION 3

Date : 27 October 2015  
 Time : 16:00-17:45  
 Room : 1(Arabian 1)  
 Track : Power Electronics and Drives / Renewable Energy, Energy Efficiency and Energy Policy  
 Chair : Mohd Shawal Jadin  
 Time keeper : Suliana Ab Ghani

NO	PAPER ID	TITLE	TIME
1	92	<b>Development Of A Low-Cost Portable Battery Charger Utilizing Solar-Photovoltaics For Low Wattage Gadget</b> <i>Mohd Azrin Mohd Azau, Sabarina Jaafar</i>	16:00 - 16:15
2	171	<b>Development Of A Portable Solar-Powered Traffic Light Control System For A Remote Single Lane Bridge</b> <i>Mohd Azrin Mohd Azau, Sabarina Jaafar</i>	16:15 - 16:30
3	166	<b>Self Balancing Unicycle Controlled By Using Arduino</b> <i>Suliana Ab Ghani, Muhammad Ikram Mohd Rashid, Mohd Suleiman, Mohd Khomaini Mohd Noor, Norazian Subari, Noor Lina Ramli</i>	16:30 - 16:45
4	88	<b>Comparison Of The Effect Of Filter Designs On The Total Harmonic Distortion In Three-Phase Stand-Alone Photovoltaic Systems</b> <i>Weng Kean Yew, Siew Yong Pang, Agileswari Ramasamy, Vigna Kumaran Ramachandaramurthy</i>	16:45 - 17:00
5	131	<b>Implementation Of Passive Infrared Sensor In Street Lighting Automation System</b> <i>Noor Lina Ramli, Norhafidzah Saad, Suliana Ab Ghani, Syahrizal Azmir Md Sharif, Nurwahida Mohd Yamin,</i>	17:00 - 17:15
6	97	<b>Development Of Hybrid Thermoelectric and Photovoltaic Power Generation</b> <i>Mohd Shawal Jadin, Amir Izzani Mohamed, Nur Asyikin Setapa,</i>	17:15 - 17:30
7	111	<b>A Sizing Tool For Pv Standalone System</b> <i>Mohd Shawal Jadin</i>	17:30 - 17:45

## SuPER'15: SESSION 4

Date : 27 October 2015  
 Time : 16:00-17:45  
 Room : 2 (Arabian 7)  
 Track : Applications of Computational Intelligence in Engineering / High Voltage Engineering, Dielectric Material and Plasma Application  
 Chair : Wan Ismail Ibrahim  
 Time :  
 keeper : Mahaletchumi Morgan

NO	PAPER ID	TITLE	TIME
1	112	<b>Optimal Load Frequency Control In Single Area Power System Using Pid Controller Based On Bacterial Foraging &amp; Particle Swarm Optimization</b> <i>Wan Ismail Ibrahim</i>	16:00 - 16:15
2	119	<b>Computational Intelligence Technique For Static Var Compensation (Svc) Installation Considering Multi-Contingencies (N-M)</b> <i>Mahaletchumi Morgan</i>	16:15 - 16:30
3	191	<b>Fuzzy Logic Technique For Congestion Line Identification In Power System</b> <i>Nur Zahirah Mohd Ali</i>	16:30 - 16:45
4	196	<b>A New Technique For Maximum Load Margin Estimation And Prediction</b> <i>Zuhaina Zakaria</i>	16:45 - 17:00
5	113	<b>Voltage Reference Configuration (Vrc) Control Algorithm Of Distribution Static Synchronous Compensator For Harmonic Elimination</b> <i>Nor Hanisah Baharudin</i>	17:00 - 17:15
6	193	<b>Ultraviolet Plasma For Cyanobacteria Treatment Application</b> <i>Ahmad Nazri Dagang</i>	17:15 - 17:30

## SuPER'15: SESSION 5

Date : 28 October 2015  
 Time : 09:00-10:45  
 Room : 1(Arabian 1)  
 Track : Applications of Computational Intelligence in Engineering  
 Chair : Dr. Mohd Herwan Sulaiman  
 Time :  
 keeper : Zuriani Mustafa

NO	PAPER ID	TITLE	TIME
1	182	<b>Price Predictive Analysis Mechanism Utilizing Grey Wolf Optimizer-Least Squares Support Vector Machines</b> <i>Zuriani Mustafa, Mohd Herwan Sulaiman</i>	9:00 - 9:15
2	21	<b>Solving Optimal Reactive Power Dispatch Problem Utilizing Nature Inspired Computing Techniques</b> <i>Mohd Herwan Sulaiman, Zuriani Mustafa, Hamdan Daniyal, Mohd Rusllim Mohamed, Omar Aliman</i>	9:15 - 9:30
3	22	<b>Grey Wolf Optimizer For Solving Economic Dispatch Problem With Valve-Loading Effects</b> <i>Mohd Herwan Sulaiman, Lo Ing Wong, Zuriani Mustafa, Mohd Rusllim Mohamed</i>	9:30 - 9:45
4	81	Performance Analysis Of Active Power Filter For Harmonic Compensation Using Pi-Pso <i>Ekhlash Thajeel, Hamdan Daniyal, Mohd Herwan Sulaiman</i>	9:45 - 10:00
5	83	<b>Medium Term Load Forecasting Using Evolutionary Programming-Least Square Support Vector Machine</b> <i>Zuhaila Mat Yasin</i>	10:00 - 10:15
6	99	<b>Time – Current Characteristic Prediction For Directional Overcurrent Relays In Interconnected Network Using Artificial Neural Network</b> <i>Emmanuel Osaji, Mohammad Lutfi Othma Hashim Hizam, Muhammad Othman</i>	10:15 - 10:30
7	175	<b>Solving Economic Dispatch (Ed) Problem Using Artificial Immune System, Evolutionary Programming And Particle Swarm Optimization</b> <i>Nor Rul Hasma Abdullah</i>	10:30 - 10:45

## SuPER'15: SESSION 6

Date : 28 October 2015  
 Time : 09:00-10:45  
 Room : 2 (Arabian 7)  
 Track : Renewable Energy, Energy Efficiency and Energy Policy  
 Chair : Dr. Mohd Rusllim Mohamed  
 Time keeper : Norainon Mohamed

NO	PAPER ID	TITLE	TIME
1	69	<b>Enhancement Of The Environment-Friendly Power Grids' Flexibility To Successfully Host Res And Evs</b> <i>Salah Eldeen Gasim Mohamed, Jasronita Jasni, Mohd Amran Mohd Radzi, Hashim Hizam</i>	9:00 - 9:15
2	78	<b>Sizing, Positioning And Air Ducting Analysis For Solar-Based Car Ventilator</b> <i>Rosmiwati Mohd-Mokhtar, Asirah Roslan</i>	9:15 - 9:30
3	79	<b>Power Quality Improvement Of Grid Connected Wind Energy Systems Using Statcom-Battery Energy Storage System</b> <i>Ashok Kumar, Archana Nathan, Vidhyapriya R</i>	9:30 - 9:45
4	164	<b>Piezoelectric Analysis Of Zno Thin Films For Energy Harvesting Application</b> <i>Bibi Nadia Taib, NORHAYATI Sabani, Buan Fei Chan, Mazlee Mazalan, Mohd. Azarulsani Md. Azidin, Mukhzeer Mohamad Shahimin</i>	9:45 - 10:00
5	165	<b>Absorption Spectrum Analysis Of Extracted Natural Dyes Using Different Solvents For Photovoltaic Application</b> <i>Nur Shazwani Abd Rashid, Suriati Suhaimi, Mukhzeer Mohamad Shahimin</i>	10:00 - 10:15
6	86	<b>Adequacy Of Indirect Measurement In Heat Energy Accounting</b> <i>Artem Mikhailov</i>	10:15 - 10:30
7	202	<b>Numerical Investigation On Serpentine Flow Field And Rhombus Electrolyte Compartment Of Vanadium Redox Flow Battery (V-RFB)</b> <i>Mohd Rusllim Mohamed</i>	10:30 - 10:45



## SuPER'15: SESSION 7

Date : 28 October 2015  
 Time : 11:00-12:30  
 Room : 1(Arabian 1)  
 Track : Power Electronics and Drives  
 Chair : Dr. Mojgan Hojabri  
 Time keeper : Suhaili Yusof

NO	PAPER ID	TITLE	TIME
1	101	<b>Design, Application And Comparison Of Passive Filters For Three-Phase Grid-Connected Renewable Energy Systems</b> <i>Mojgan Hojabri, Mehrdad Hojabri</i>	11:00 - 11:15
2	155	<b>Self-Exciting Capacitor Circuit For A Low-Power, Low-Speed Single-Phase Induction Generator</b> <i>Hari Santoso, Rini Hasanah, Budiono Mismail, ING Wardana,</i>	11:15 - 11:30
3	157	<b>Control Of Dc Motor External Resistor Starter By Using Armature Current Decay Sensing Technique</b> <i>Suhaili Yusof, Hamdan Daniyal, Mohd Rusllim Mohamed</i>	11:30 - 11:45
4	170	<b>Development Of A Gate Drive With Overcurrent Protection Circuit Using Ir2110 For Fast Switching Half-Bridge Converter</b> <i>Rahimi Baharom, Khairul Safuan Muhammad, Mohd Khairul Mohd Salleh, Muhamad Nabil Hidayat,</i>	11:45 - 12:00
5	200	<b>Modeling Distribution Transformers For Inrush Transients Study</b> <i>Hana Abdull Halim</i>	12:00 - 12:15
6	199	<b>Comparative Study On Magnetic Circuit Analysis Between Independent Coil Excitation (Ice-Pmm), Both Conventional Slotless And Slot-Type Rotor For Three Phase Permanent Magnet Motor (Pmm) Using Finite Element Method (Fem)</b> <i>Ami Nurul Nazifah Abdullah</i>	12:15 - 12:30

## SuPER'15: SESSION 8

Date : 28 October 2015  
 Time : 11:00-12:30  
 Room : 2 (Arabian 7)  
 Track : High Voltage Engineering, Dielectric Material and Plasma Application  
 Chair : Noor zaihah Jamal  
 Time : Hwee Geem Chan  
 keeper

NO	PAPER ID	TITLE	TIME
1	107	<b>Observation Of Transient Luminous Events (Tles) In Pekan</b> <i>Hwee Geem Chan, Amir Izzani Mohamed, Mohd shawal Jadin</i>	11:00 - 11:15
2	108	<b>Analysis And Design Optimization Of A Single-Slotted Trapezoidal-Shaped Permanent-Magnet Linear Motor</b> <i>Izzeldin Idris Abdalla Yagoube</i>	11:15 - 11:30
3	192	<b>Inverse Definite Overcurrent Relay Discrimination Algorithm And Its Application In Industrial Power Systems</b> <i>Noor zaihah Jamal</i>	11:30 - 11:45
4	118	<b>Performance Of Palm Shell Activated Carbon As Alternative Adsorbent For Reclamation Of Used Transformer Oil</b> <i>Sharin Ab Ghani, Nor Asiah Muhamad, Hidayat Zainuddin</i>	11:45 - 12:00
5	138	<b>Developing Distribution System Transient Overvoltage Due To Capacitor Banks Switching Using High Pass Filter</b> <i>Salih Gwami Mohammed, Chandima Gomes, Mohd b.Ab.kadir, Jasronita Jasni, Mahdi Izadi</i>	12:00 - 12:15
6	148	<b>Development Of Portable 1o Stages Marx Generator</b> <i>Ahmed Saeed</i>	12:15 - 12:30

## Cias'15: SESSION 1

Date : 27 October 2015  
 Time : 14:00-15:30  
 Room : 3 (Arabian 8)  
 Track : Modelling and Control  
 Chair : Dr. Addie Irawan Hashim / Dr. Dwi Pebrianti  
 Time keeper : Maziyah Mat Noh

NO	PAPER ID	TITLE	TIME
1	186	<b>Development of Hexaquad Robot: Modeling and Framework</b>	14:00
		<i>Addie Irawan Hashim, Akhtar Razul Razali, Wan Faizal Wan Ishak, Mohd Rizal Arshad, Yee Yin Tan</i>	14:15
2	147	<b>Attitude Control of Quad-rotor.</b>	14:15
		<i>Nurul Amirah Ismail, Zainah Md Zain, Dwi Pebrianti, Luhur Luhur Bayuaji, Nor Liyana Othman</i>	14:30
3	181	<b>Fish Quality Control.</b>	14:30
		<i>Muhammad Sharfi Najib, Nurul Hafizah Zambran, Nurdiana Zahed, Fathimah Abdul Halim, Muhamad Faruqi Zahari, Wan Muhammad Azmi Mamat, Hadi Manap</i>	14:45
4	154	<b>Research Of Athletes Movements Biomechanics In Big Tennis With Use Of The Hardware-Software Complex Based On Motion Capture Technology.</b>	14:45
		<i>Olga Shikulskaya, Irina Petrova, Vladimир Svintsov, Mikhail Shikulskiy, Mikhail Vasiliev, Ruslan Ramozanov, Natalia Tumakova, Anna Fedoret, Igor Mazin, Olga Vorontsova</i>	15:00
5	54	<b>A Backstepping Based PID Controller For Stabilizing An Underactuated X4-AUV</b>	15:00
		<i>Nurfadzillah Harun, Zainah Md Zain</i>	15:15
6	58	<b>Pressure Control Of Wall Climbing Robot Using PID Controller</b>	15:15
		<i>Rita Jelai Ak Johnson, Mohd Helmi Bin Suid</i>	15:30
7	98	<b>Invariant Manifold For Extended Nonholonomic Double Integrator Systems</b>	15:30
		<i>Zainah Md Zain, Norhafizah Md Zain, Maziyah Mat Noh, Dwi Pebrianti</i>	15:45

## Cias'15: SESSION 2

Date : 27 October 2015  
 Time : 16:00-17:45  
 Room : 3 (Arabian 8)  
 Track : Instrumentation and Control  
 Chair : Dr Mohd Razali Daud / Dr Raja Mohd Taufika Raja Ismail  
 Time : Mr. Mohd Helmi Suid  
 keeper

NO	PAPER ID	TITLE	TIME
1	43	<b>3D Panorama Scene Rendering Using Kinect Camera</b> <i>Mohd Razali Daud, Nur Afzan Murtadza Murtadza, Saifudin Razali</i>	16:00 - 16:15
2	146	<b>A New Mechanical Application for Flat-roof Water Ponding Indicator System via Xbee Protocol</b> <i>Mohd Firdaus Abdullah, Adi Izhar Che Ani, Samsul Setumin, Norngainy Mohd Tawil, Adi Irfan Che Ani</i>	16:15 - 16:30
3	87	<b>Design of An Automatic Phototherapy Garment(APG) using Blue LED for Jaundice Treatment</b> <i>Mitra Mohd Addi, Fauzan Khairi Che Harun, Siti Asmah Daud</i>	16:30 - 16:45
4	177	<b>Intelligent Odor Profile Classification Of Different Honey Using E-Nose</b> <i>Muhammad Sharfi Najib, Nurdiyana Zahed, Nik Fatin Nadiah Nik Mohd Azhani</i>	16:45 - 17:00
5	158	<b>Real-Time Finger Hand Movement Capturing via a Data Hand Glove</b> <i>Adi Izhar Che Ani, Azizul Othman, Norhazimi Hamzah, Anis Diyana Rosli, Rohaiza Baharudin, Mohd Firdaus Abdullah</i>	17:00 - 17:15
6	194	<b>Development Of Touch Screen Operated Electric Wheelchair For Dwarfism Community</b> <i>Zailini Mohd ali, Mohammad Abas</i>	17:15 - 17:30
7	187	<b>A Complete Investigation Of Using Weighted Kernel Regression For The Case Of Small Sample Problem With Noise</b> <i>Nurul Wahidah Arshad, Zuwairie Ibrahim</i>	17:30 - 17:45

## Cias'15: SESSION 3

Date : 28 October 2015  
 Time : 09:00-10:30  
 Room : 3 (Arabian 8)  
 Track : Optimisation  
 Chair : Dr Saifudin Razali / Dr Dwi Pebrianti  
 Time keeper : Haszuraidah Ishak

NO	PAPER ID	TITLE	TIME
1	162	<b>Gravitational Search Algorithm: R is Better Than R2</b>	9:00
		<i>Mohamad Aliman</i>	- 9:15
2	163	<b>Distance Evaluated Simulated Kalman Filter For Combinatorial Optimization Problems</b>	9:15
		<i>Zulkifli Md Yusof, Zuwairie Ibrahim, Ismail Ibrahim, Kamil Zakwan Mohd Azmi, Nor Azlina Ab Aziz, Nor Hidayati Abd Aziz, Mohd Saberi Mohamad</i>	- 9:30
3	176	<b>Bank Of Kalman Filters For Fault Detection In Quadrotor MAV</b>	9:30
		<i>Dwi Pebrianti, Rosdiyana Samad, Mahfuzah Mustafa, Nor Rul Hasma Abdullah, Luhur Luhur Bayuaji, Nurul Amirah Ismail</i>	- 9:45
4	198	<b>Sigma Point-Based Fastslam: Solution To SLAM Problem</b>	9:45
		<i>Saifudin Razali, Mohd Razali Daud, Hamzah Ahmad, Zafizal Zolkafli</i>	- 10:00
5	129	<b>COLREGS-Compliant Path Planning For Riverine Autonomous Surface Vessel</b>	10:00
		<i>Jian Hong Mei, Mohd Rizal Arshad, Jing Rui Tang</i>	- 10:15
6	190	<b>MPSO: Multi-Leader Particle Swarm Optimization For Multi-Objective Optimization Problems</b>	10:15
		<i>Zuwairie Ibrahim, Kian Sheng Lim, Salinda Buyamin, Siti Nurzulaikha Satiman, Mohd Helmi Bin Suid, Badaruddin Muhammad, Mohd Riduwan Ghazali, Mohd Saberi Mohamad, Junzo Watada</i>	- 10:30

## Cias'15: SESSION 4

Date : 28 October 2015  
 Time : 11:00-12:30  
 Room : 3 (Arabian 8)  
 Track : Optimisation  
 Chair : PM Dr Zuwairie Ibrahim / Dr. Mohamad Fadhil Abas  
 Time keeper : Mr. Mohd Riduwan Ghazali

NO	PAPER ID	TITLE	TIME
1	141	<b>A New Hybrid Simulated Kalman Filter And Particle Swarm Optimization For Continuous Numerical Optimization Problems</b> <i>Badaruddin Muhammad, Zuwairie Ibrahim, Kamarul Hawari Ghazali, Kamil Zakwan Mohd Azmi, Nor Azlina Ab Aziz, Nor Hidayati Abd Aziz, Mohd Saberi Mohamad</i>	11:00 - 11:15
2	144	<b>Simultaneous Computation Of Model Order And Parameter Estimation Based On Multi-Swarm Particle Swarm Optimization</b> <i>Kamil Zakwan Mohd Azmi, Zuwairie Ibrahim, Dwi Pebrianti</i>	11:15 - 11:30
3	136	<b>Particle Swarm Optimization And Least Squares Estimation Of NARMAX</b> <i>Siti Muniroh Abdullah, Ahmad Ihsan Mohd Yassin, Nooritawati Md Tahir</i>	11:30 - 11:45
4	152	<b>Angle Modulated Simulated Kalman Filter Algorithm For Combinatorial Optimization Problems</b> <i>Zulkifli Md Yusof, Zuwairie Ibrahim, Ismail Ibrahim, Kamil Zakwan Mohd Azmi, Nor Azlina Ab Aziz, Nor Hidayati Abd Aziz, Mohd Saberi Mohamad</i>	11:45 - 12:00
5	153	<b>A New Hybrid Simulated Kalman Filter And Gravitational Search Algorithm For Continuous Numerical Optimization Problems</b> <i>Badaruddin Muhammad, Zuwairie Ibrahim, Kamarul Hawari Ghazali, Kamil Zakwan Mohd Azmi, Nor Azlina Ab Aziz, Nor Hidayati Abd Aziz, Mohd Saberi Mohamad</i>	12:00 - 12:15
6	95	<b>A Random Synchronous-Asynchronous Particle Swarm Optimization Algorithm With A New Iteration Strategy</b> <i>Nor Azlina Ab Aziz, Zuwairie Ibrahim, Marizan Mubin, Sophan Wahyudi Nawawi, Shahdan Sudin</i>	12:15 - 12:30

## Cias'15: SESSION 5

Date : 28 October 2015  
 Time : 14:00-15:30  
 Room : 1(Arabian 1)  
 Track : Modelling and Control  
 Chair : Dr Hamzah Ahmad / Dr. Dwi Pebrianti  
 Time keeper : Mr Helmi Suid

NO	PAPER ID	TITLE	TIME
1	7	<b>Fuzzy Logic Based Vehicle Speed Control Performance Considering Different Membership Types</b>	14:00
		<i>Hamzah Ahmad, Siti Nur Aini Basiran</i>	14:15
2	195	<b>HF-Fuzzy Logic based Mobile Robot Navigation; A Solution to Finite Escape Time</b>	14:15
		<i>Hamzah Ahmad</i>	14:30
3	72	<b>Double Integrator Model And Invariant Manifold Theory Algorithm For An X4-AUV</b>	14:30
		<i>Zainah Md Zain, Mohd Rizal Arshad, Khairil Ashraf Ab Rahim</i>	14:45
4	106	<b>An Assembly Sequence Planning Approach With A Multi-State Gravitational Search Algorithm</b>	14:45
		<i>Ismail Ibrahim, Zuwairie Ibrahim, Hamzah Ahmad, Zulkifli Md. Yusof</i>	15:00
5	179	<b>Intelligent Odor-Profile Classification Of Different Kelulut Using Case-Based Reasoning Technique (CBR)</b>	15:00
		<i>Muhammad Sharfi Najib, Shahrul hisyam Azih, Nurdiyana Zahed, Muhamad Faruqi Zahari, Wan Muhammad Azmi Mamat, Hadi Manap</i>	15:15
6	197	<b>Exploration of Unknown Environment with Ackerman Mobile Robot using Robot Operating System (ROS)</b>	15:15
		<i>Mohd Razali Daud, Saifudin Razali, Nur Afzan Murtadza Murtadza, Nor Anis Aneza Lokman, Dwi Pebrianti</i>	15:30

## Cias'15: SESSION 6

Date : 28 October 2015  
 Time : 14:00-15:30  
 Room : 2 (Arabian 7)  
 Track : Instrumentation and Control  
 Chair : Dr. Ahmad Nor Kasrudin Nasir / Dr. Muhammad Sharfi Najib  
 Time keeper : Dr. Dwi Pebrianti

NO	PAPER ID	TITLE	TIME
1	169	<b>Evaluation Algorithm- Based On PID Controller Design For The Unstable Systems</b>	14:00
		<i>Mohd Riduwan Ghazali, Ismail ibrahim Wan</i>	– 14:15
2	178	<b>Intelligent Odor-Profile Classification Of Different Durian Using Cased Based Reasoning, CBR</b>	14:15
		<i>Muhammad Sharfi Najib, Nik Fatin Nadiah Mohd Azhani, Nurdiyana Zahed</i>	– 14:30
3	89	<b>The Effect Of A Circular Nickel Wire As Electrodes Of A PH-Sensor For Acidity Measurement</b>	14:30
		<i>M. Julius, Sudjito Suparman, Eko Siswanto, Denny Widhiyanuriyawan</i>	– 14:45
4	100	<b>IR Thermography Application For Vacuum Leak Detection Of Absorption Chiller In Petrochemical Plant</b>	14:45
		<i>Mohd Nasrul Muhaimin Mohd Taib, Kamarul Hawari Ghazali</i>	– 15:00
5	137	<b>Immersion Ultrasonic Inspection System For Small Scaled Composite Specimen</b>	15:00
		<i>Ahmad Raiminor Ramzi, Muhammad Faisal Mahmod, Elmi Abu Bakar</i>	- 15:15
6	168	<b>Exponential-Based Spiral Dynamic Algorithm For Modelling Of A Flexible Manipulator System</b>	15:15
		<i>Ahmad Nor Kasrudin Nasir, Raja Mohd Taufika Raja Ismail, Mohd Ashraf Ahmad, M. Osman Tokhi</i>	– 15:30



## Cias'15: SESSION 7

Date : 28 October 2015  
 Time : 14:00-15:30  
 Room : 3 (Arabian 8)  
 Track : Modeling and Control  
 Chair : Dr Normaniha Abdul Ghani / Dr. Zainah Md Zain  
 Time keeper : Dr. Zainah Md Zain

NO	PAPER ID	TITLE	TIME
1	156	<b>MR Damper Controllers For Vehicle Airbag Replacement</b> <i>Dhanaletchmi Narayanasamy, Farrukh Hafiz Nagi, Agileswari Ramasamy</i>	14:00 – 14:15
2	142	<b>GA-SVC Based Search Applied for Optimization of Image Features Subset in Quality Estimation System of Bulk Green Coffee Bean</b> <i>Radi, Muhammad Rivai, Mauridhi Hery Purnomo</i>	14:15 – 14:30
3	102	<b>Motor Speed Controller for Differential Wheeled Mobile Robot</b> <i>Yeong Chin Koo, Elmi Abu Bakar</i>	14:30 – 14:45
4	185	<b>Sliding Mode Control Of an X4-AUV</b> <i>Zainah Md Zain, Nur Natasha Abu Hanipah, Norfadzilah harun, Khairil Ashraf Ab Rahim, Norhafizah Md Zain</i>	14:45 – 15:00
5	174	<b>Review on Attitude Estimation Algorithm of Attitude Determination System</b> <i>Mohd Zamri Hasan, Amran Ahmed, Abu Hassan Abdullah, Sazali Yaacob, Shamshul Bahar Yaakob, Muhd Hafizi Idris, Md Azlin Md Said</i>	15:00 - 15:15
6	139	<b>Real Time Implementation Of First Order Model Reference Adaptive Control (MRAC) Without Integral On Regulating Temperature Of Glycerin Bleaching Process</b> <i>Mohd Hafiz A. Jalil @ Zainuddin, Mohd Nasir Taib, Mohd Hezri Fazalul Rahman, Rohaiza Hamdan , Mohd Hezri Marzaki</i>	15:15 – 15:30

## AppECE'15: SESSION 1

Date : 27 October 2015  
 Time : 14:00-15:30  
 Room : 4 (Arabian 9)  
 Track : Audio/Signal Processing/ Systems and Techniques for Human Interaction  
 Chair : Dr. Mohd Zamri Ibrahim  
 Time :  
 keeper : Ikhwan Hafiz Bin Muhamad

NO	PAPER ID	TITLE	TIME
1	160	<b>The Effect Of Alpha Binaural Beat On Frontal Esd Alpha Asymmetry On Different Gender</b> <i>Haryanti Norhazman</i>	14:00 - 14:15
2	188	<b>Feature-Fusion Based Audio-Visual Speech Recognition Using Lip Geometry Features In Noisy Enviroment.</b> <i>Mohd Zamri Ibrahim</i>	14:15 - 14:30
3	116	<b>Eeg-Based Aesthetics Preference Measurement With 3d Stimuli Using Wavelet Transform.</b> <i>Lin Hou Chew, Jason Teo, James Mountstephens</i>	14:30 - 14:45
4	126	<b>Biochip Development For Biological Cells Manipulation Using Dep</b> <i>Siti Nursyahirah Ahmad Latfi</i>	14:45 - 15:00
5	132	<b>Abnormality Detection And Localization Using Modified Sfm</b> <i>Wan Nur Azhani, Kamarul Hawari Ghazali,</i>	15:00 - 15:15
6	125	<b>A Comparative Study Of Stress And Brainwave Characteristic Between Breastfeeding And Non-Breastfeeding Women.</b> <i>Najidah Hambali</i>	15:15 - 15:30

## AppECE'15: SESSION 2

Date : 27 October 2015  
 Time : 16:00-17:30  
 Room : 4 (Arabian 9)  
 Track : Antenna Technologies  
 Chair : Omar Ibrahim  
 Time : Noor Zirwatul Ahlam Binti Naharuddin  
 Keeper

NO	PAPER ID	TITLE	TIME
1	149	<b>Channel Estimation For Amplify-And-Forward Relay Network In High Doppler Spread</b> <i>Mohammad Rabbi, Kamarul Hawari Ghazali</i>	16:00 - 16:15
2	73	<b>Chipless Radio Frequency Identification Tag With High Encoding Capacity Based On Three Coding Levels</b> <i>Omar Ibrahim, Alyani Ismail, Nor Noordin, Adam Alhawari</i>	16:15 - 16:30
3	134	<b>Performance Analysis Of Smart Antenna Based On Mvdr Beamformer Using Rectangular Antenna Array</b> <i>SUHAIL SHAHAB, Ayib Zainun, Nurul Noordin, Omar Khaldoon A</i>	16:30 - 16:45
4	167	<b>Finding The Best Feeding Point Location Of Patch Antenna Using Hfss</b> <i>Saleh Eesaa, M. A. Jusoh</i>	16:45 - 17:00
5	124	<b>Energy Efficient Channel Selection Framework For Cognitive Radio Wireless Sensor Networks</b> <i>Nurul Muazzah Abdul Latiff, Joshua Abolarinwa, Sharifah Kamilah Syed Yusof, Nik Noordini Nik Abdul Malik, Norsheila Faisal</i>	17:00 - 17:15
6	183	<b>Implementation Of Speech Recognition Home Control System Using Arduino</b> <i>Nurul Hasan, Mohd Rejab, Hidayah Sapar</i> <b>*Moved from session 5*</b>	17:15 – 17:30

## AppECE'15: SESSION 3

Date : 28 October 2015  
 Time : 09:00-10:30  
 Room : 4 (Arabian 9)  
 Track : Image/Video Processing  
 Chair : Norizam Sulaiman  
 Time : Mohd Anwar Bin Zawawi  
 Keeper

NO	PAPER ID	TITLE	TIME
1	24	<b>Fire Recognition Using Rgb And Ycbr Color Space</b> <i>Nor Anis Aneza Lokman, Mohd Razali Daud, Ai Chia Khor, Norsyahirah Izzati Zaidi</i>	9:00 - 9:15
2	121	<b>Development Of Vision-Based Vehicle Access Control System For Gated Residential Community</b> <i>Chee Kiang Lam</i>	9:15 - 9:30
3	94	<b>Development Of Online Vehicle Plate Recognition System</b> <i>Norizam Sulaiman</i>	9:30 - 9:45
4	189	<b>A Computational Method for Protein Domain Prediction By Using Double Stage Neural Network</b> <i>Umi Kalsum Hassan, Shahreen Kasim , Nazri Mohd Naw</i>	9:45 - 10:00
5	130	<b>Thermal Detection Of Water Saturation Spots For Landslide Prediction</b> <i>Aufa Huda Muhammad Zin, Kamarul Hawari Ghazali, Norliana Khamisan</i>	10:00 - 10:15
6	120	<b>Development Of Vision-Based Handicapped Logo Regonition System For Disabled Parking</b> <i>Chee Kiang Lam</i>	10:15 - 10:15

## AppECE'15: SESSION 4

Date : 28 October 2015  
 Time : 11:00-12:30  
 Room : 4 (Arabian 9)  
 Track : Image/Video Processing  
 Chair : Siti Fairuz Abdullah  
 Time : Marlina Binti Yakno  
 Keeper

NO	PAPER ID	TITLE	TIME
1	80	<b>Detection Of Sputum Smear Cell Based On Image Processing Analysis</b> <i>Fatin Izzwani, Kamarul Hawari Ghazali, Rosyati Hamid, Zeehaida Mohamed</i>	11:00 - 11:15
2	127	<b>A Thermograph Image Extraction Based On Color Features For Induction Motor Bearing Fault Diagnosis Monitoring</b> <i>Norliana Khamisan, Kamarul Hawari Ghazali, Aufa Huda Muhammad Zin</i>	11:15 - 11:30
3	109	<b>An Experiment Of Gender Classification Using Fingerprint Ridge Structure</b> <i>Siti Fairuz Abdullah, Ahmad Fadzli Nizam Abd Rahman</i>	11:30 - 11:45
4	173	<b>Enhanced Face Recognition Method On Android Platform</b> <i>Mohammed Hayyan Alsibai, Hadi Manap, Abdul Adam Abdullah</i>	11:45 - 12:00
5	128	<b>A Visual Perception Survey: Seeing Eye-To-Eye At Nuclear Chromatin Of Non-Neoplastic Cervical Squamous Epithelial Cells</b> <i>Jing Rui Tang, Nor Ashidi Mat Isa; Ewe Seng Ch'ng</i>	12:00 - 12:15
7	66	<b>The Implementation of Indoor Child Monitoring System Using Trilateration Techniques</b> <i>Nurul Noordin, Normazatul Darmawati</i>	12:15 - 12:30

## AppECE'15: SESSION 5

Date : 28 October 2015  
Time : 14:00-15:15  
Room : 4 (Arabian 9)  
Track : Embedded Systems and Architecture Implementations /Cloud  
Multimedia Systems/ Applications and Services  
Chair : Murizah Kassim  
Time : Zulkifli Musa  
Keeper

NO	PAPER ID	TITLE	TIME
1	145	<b>Early Development Of Embedded Fatigue Monitoring System Based On Heart Rate</b> <i>Earn Tzeh Tan, Zaini Abdul Halim</i>	14:00 – 14:15
2	159	<b>Two-Steps Implementation Of Sigmoid Function For Artificial Neural Network In Field Programmable Gate Array</b> <i>Syahrulanuar Ngah, Rohani Abu Bakar, Abdullah Embong, Saifudin Razali,</i>	14:15 – 14:30
3	143	<b>Optimization Of Neural Network Architecture For The Application Of Driver Fatigue Monitoring System</b> <i>Earn Tzeh Tan, Zaini Abdul Halim</i>	14:30 – 14:45
4	82	<b>Internet Traffic Analysis With Goodness Of Fit Test On Campus Network</b> <i>Murizah Kassim, Mohd Azrul Abdullah, Maizura Mohd Sani</i>	14:45 – 15:00
5	6	<b>Mesh-Dht Approach For Efficient Resource Sharing In P2p Based Wireless Mesh Network</b> <i>P Prasanna Murali Krishna, M. V. Subramanyam, K. Satya Prasad</i>	15:00 - 15:15