

**PARALLEL SESSION  
ICORAS 2011**

**Parallel Session 1a**

**Date : 23th May 2011  
Time : 10.30am-12.30pm  
Venue: Tutorial 5**

No	ID	Title
1.	E114	General Algorithm of m-Multiple Coil Shape for Variable Links Hyper-Redundant Robotic Manipulator <i>Annisa Jamali, MD. Raisuddin Khan, MD Mozasser Rahman</i>
2.	E117	Multiple Mobile Robots Trajectory Tracking While Maintaining Time-Varying Formations via Synchronization Approach <i>Ibrahim Mohamed Hafiz Sanhoury, Shamsudin H.M. Amin, Abdul Rashid Husain</i>
3.	E118	Intelligent Controller for Differential Drive Wheeled Mobile Robot (WMR): A Comparative Analysis <i>Razif Rashid, I. Elamvazuthi, K.M. Begam, M. Luqman M. Zain, Lindasalwa Muda</i>
4.	E119	Loosely Coupled Low cost IMU\GPS Integration for Car Navigation like Robot <i>O. M. Maklouf, A. Ghilla, S. A. Gashoot</i>
5.	E121	Design and Modelling of Biped Robot with Heterogenous Leg <i>M. Azmi Adly, I. Elamvazuthi, K.M. Begam, W. Amirfaiz, W. Faizura</i>
6.	E122	Simulation of Humanoid Arm Using Fuzzy Technique <i>W. Amirfaiz W. Daud, I. Elamvazuthi, K.M Begam, W. Faizura, M. Azmi Adly</i>

**Parallel Session 1b**

**Date: 23th May 2011  
Time: 10.30am-12.30pm  
Venue: Tutorial 6**

No	ID	Title
1.	E126	Hybrid Controller for Multi Fingered Robot Hand <i>Wan Faizura Tarmizi, I. Elamvazuthi, K.M. Begam, W. Amirfaiz, M. Azmi Adly</i>
2.	E130	A Remote Navigation Methodology for a Four Wheel Rectangular Configured Holonomic Mobile Telemedicine Robot <i>Muralindran Mariappan, Vigneswaran Ramu, Thayabaren Ganesan and Brendan Khoo T. T., Kumarheshan Vellian</i>
3.	E131	Feedback Linearization for Depth Positioning of a Spherical Underwater Robot Vehicle (URV) <i>M. Azfar Tajul Arifin, M.N. Karsiti, I. Elamvazuthi</i>
4.	E132	Virtual Mobile Robot Simulation Using Microsoft Robotic Studio: 3D Modelling of Mobile Robot and its Integration into Visual Simulation Environment <i>Yusman Yusof, M. Fadzil Abu Hassan M. Fadzil Abu, Noor Jihan M. Saroni, W. M. Fathurrahman Che Wan Azizan</i>
5.	E101	Active Suspension Using Optimal Control <i>Norsarizan Mat Youb, Mohd Ruddin Abd. Ghani, Hamzah Sakidin, Syed Najib Syed Salim</i>
6.	E105	Automatic Electrocardiographic Analysis Using Artificial Neural Network Models <i>Sri T.V.K.Hanumantha Rao, Saurabh Mishra, Sudhir Kumar Singh</i>

**Parallel Session 2a**

**Date: 23th May 2011**  
**Time: 2.00 pm- 5.00 pm**  
**Venue: Tutorial 5**

No	ID	Title
1.	E106	Vision Based Obstacle Detection Mechanism of a Fixed Wing UAV <i>Prof. S.N. Omkar, Saurabh Mishra, Sanjay Tripathi, Gaurav Kumar</i>
2.	E107	Analysis for Solving Travelling Salesman Problem <i>Khushmeet Kumar, Pardeep Sharma</i>
3.	E109	Image processing technique through refinement technique with adaptive simulation <i>Dr PV Senthil PhD</i>
4.	E112	Heuristic Algorithm for Edge Detection <i>Senthil, A.N.Senthilve, T.Hemamalini</i>
5.	E113	Shape-Based Matching: Application of Edge Detection using Harris Point <i>Mohamad Haniff Harun, Marizan Sulaiman, Hairol Nizam Mohd Shah</i>
6.	E116	Performance Comparison Between MRAC and IMAC with Application to InnoSAT Control <i>Mohamad Haniff Harun, Marizan Sulaiman, Hairol Nizam Mohd Shah</i>
7.	E128	Adaptive Fuzzy Logic Control For Non-Linear System <i>F.A. Bakri, M.Y. Mashor, A.R.M Saad, S.M. Sharun, M.N. Norhayati, Wan Nur Hadani</i>
8.	E136	Malaysia Sign Language Recognition Using Central Moment Features and Neural Network Model <i>Mohd Shuhanaz bin Zanar Azalan, Rajkumar Palaniappan, Muhamad Zulhafis bin Abu Zair</i>
9.	E137	Sign Language Recognition Based on Fuzzy Information of Arm Motions <i>Khairunizam Wan, Shahrman A.B, Siti Khadijah Za'aba, Mohd Azri Abd Aziz And Shamsul Azri Mohd Nor</i>

**Parallel Session 2b**

**Date: 23th May 2011**  
**Time: 2.00 pm- 5.00 pm**  
**Venue: Tutorial 6**

No	ID	Title
1.	E139	Adaptive Neuro-Controller for Three-Axis Attitude Control of Nano-Satellite <i>S. M. Sharun, M. Y. Mashor, W. N. Hadani, M. N. Norhayati, S. Yaacob</i>
2.	E140	Hybrid Power Study For Irrigation And Flood Control System <i>A.B. Shahrman, M.M. Khalil, Khairunizam WAN, S.K. Zaaba, W.N.Imaduddin, D.Hazry, I.Zunaidi</i>
3.	E146	Digital Camera Based Color Sensor For Determining Leaf Color Level Of Paddy Plants <i>I.W. Astika, M. Solahudin, R. P. Setiawan, M. F. Syuaib, I. E. Nugroho, M. Ardiyansah</i>
4.	E148	An Undergraduate Artificial Intelligence Laboratory: Colour Sensing Using Fuzzy Logic <i>Mohd Fadzil Abu Hassan, Yusman Yusof, Mohd Alif Syami Azmi, Mohd Nazrul Mazli</i>
5.	E102	Development of Software for Mitsubishi RV-M1 <i>Pardeep Sharma, Dr. Parveen Kalra, Rajesh Kumar</i>
6.	E103	DC Motor Position Control with Disturbance Compensation <i>Nasimullah</i>
7.	E104	Multi-Agent Control Architecture of Mobile Manipulators Grasping Objects of Simple Forms <i>R. Benbouali, A. Hentout, B. Bouzouia</i>
8.	E108	Automatic Visual Inspection of Defects for Cylindrical Object's Surface <i>Mohammed A. H. Ali, Mohammed N. B. Ahmed, Ibrahim M. H. Sanhoury, Siti Fadilah B. Abd Latip Jameel A. A. Mukred</i>
9.	E110	Half Car Suspension System Using Fuzzy Logic Controller <i>Amat A. Basari, Mazran Esro, Redzuan A. Manap, Syazana Sapie</i>

**Parallel Session 3a****Date: 24th May 2011****Time: 9.00 am – 10.30 am****Venue: Tutorial 5**

No	ID	Title
1.	E111	The Effectiveness Of Industrial Networks Protocol In Automation System <i>Muhamad Fahezal Ismail, Norsehah Abd Karim, Yusof Mohd Ekhsan and Muhammad Syazwan Mohd Rathi</i>
2.	E115	Sustainable Analysis of Lightweight Lift System Design for Disable People using Finite Element <i>S.F. Ismail, M.Y Taib, M.Ishak.</i>
3.	E120	Client Information Registration And Activities Tracking System <i>Akram M. Zeki, Augerto Mancini, Ljuljzim Hodzic</i>
4.	E123	Design And Analysis Of Microheater Using Ansys <i>G.Sureshkannan , Dr.G.Mohan Kumar</i>

**Parallel Session 3b****Date: 24th May 2011****Time: 9.00 am – 10.30 am****Venue: Tutorial 6**

No	ID	Title
1.	E124	Flight Stability In Hovering Of A Fixed-Wing Unmanned Aerial Vehicle (UAV) <i>A. G. Azlan, D. Hazry Associate Prof. Dr.</i>
2.	E125	The Effect of Anomaly Detection Accuracy in Varying the Angular Resolution of Sonar Sensor Using Repetitive Observation Strategy (ROS) <i>M.N.A.H. Sha'abani, M.F. Miskon</i>
3.	E142	Application of Watershed Segmentation on RGB and HSI Model <i>H.N. Lim, E.U. Francis, M.Y. Mashor, R. Hassan</i>
4.	E143	Design of a Micro-Controller based Portable Three Phase Digital Power Meter <i>Syafiq Basri Bin Shaari and I. Elamvazuthi</i>

**Parallel Session 4a****Date: 24th May 2011****Time: 10.45 am - 12.45 pm****Venue: Tutorial 5**

No	ID	Title
1.	E145	Design and Performance Test of Embedded Module Metering Device for Variable Rate Fertilizer Applicator <i>P.A.S. Radite , Wawan Hermawan, Abdul Azis, Bregas Budiyanto</i>
2.	E147	Human –Machine Interfacing In safety Manufacturing Enviornment With Voice Control Application <i>S.Manoj kumar, Dr.P.V.Senthill M.E Ph.D</i>
3.	E149	Determining The Velocities Before And After Impact Of Components In A Vibratory Part Feeder <i>M.Suresh, S.Udhayakumar, P.V.Mohanram</i>
4.	E129	Virtual Medical Instrument for OTOROB Based on LabVIEW for Acquiring Multiple Medical Instrument LCD Reading Using Optical Character Recognition <i>Muralindran Mariappan , Vigneswaran Ramu , Thayabaren Ganesan<sup>1</sup> and Brendan Khoo T. T., Kumarheshan Vellian</i>
5.	E127	De-noising of Ultrasound Images of Bone Fracture In Wavelet Domain <i>M. Luqman M. Zain, I. Elamvazuthi, K.M. Begam, Razif Rashid, Lindasalwa Muda</i>
6.	E133	Determination of Speech Recognition Accuracy using DTW and MFCC Techniques <i>Lindasalwa Muda, K. M. Begam , I. Elamvazuthi, Razif Rashid, M. Luqman M. Zain</i>

**Parallel Session 4b****Date: 24th May 2011****Time: 10.45 am - 12.45 pm****Venue: Tutorial 6**

No	ID	Title
1.	E134	Evaluation of EMG Signal Classification Techniques <i>I. Elamvazuthi, N.H.H.M., Hanif, P. Vasant and N.C., Sahoo</i>
2.	E135	Hemodynamic Effect of Anastomosis Length and Angle in Side-to-side and End-to-side Radiocephalic Arteriovenous Fistula (RCAVF) using Computational Fluid Dynamics (CFD) <i>W.A.W. Hassan, K. Osman, M.R.A. Kadir, J. Haron</i>
3.	E138	Introduction on the Biomedical Applications of Atmospheric Plasma <i>S.K. Zaaba, Khairunizam Wan, A.B. Shahrman</i>
4.	E141	Investigation on Different Emotion Elicitations Methods for Human Computer Interaction <i>Jerritta S, M Murugappan, R Nagarajan, Khairunizam Wan, S Arun</i>
5.	E144	A Study on Different Driver Alertness Methods during Hypovigilance <i>S Arun, M Murugappan, Kenneth Sundaraj, S Jerritta</i>