Parallel Session 1a
Date: 23rd May 2011
Time: 10.30am-12.30pm
Venue: Tutorial 5

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Annisa Jamali, MD. Raisuddin Khan, MD Mozasser Rahman |
| 2. | E117| Multiple Mobile Robots Trajectory Tracking While Maintaining Time-Varying Formations via Synchronization Approach  
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| 3. | E118| Intelligent Controller for Differential Drive Wheeled Mobile Robot (WMR): A Comparative Analysis  
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| 4. | E119| Loosely Coupled Low cost IMU/GPS Integration for Car Navigation like Robot  
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| 5. | E121| Design and Modelling of Biped Robot with Heterogenous Leg  
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| 6. | E122| Simulation of Humanoid Arm Using Fuzzy Technique  
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Parallel Session 1b
Date: 23rd May 2011
Time: 10.30am-12.30pm
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Wan Faizura Tarmizi, I. Elamvazuthi, K.M. Begam, W. Amirfaiz, M. Azmi Adly |
| 2. | E130| A Remote Navigation Methodology for a Four Wheel Rectangular Configured Holonomic Mobile Telemedicine Robot  
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M. Azfar Tajul Arifin, M.N. Karsiti, I. Elamvazuthi |
Yasman Yusof, M. Fadzil Abu Hassan M. Fadzil Abu, Noor Jihan M. Saroni, W. M. Fathurrahman Che Wan Azizan |
| 5. | E101| Active Suspension Using Optimal Control  
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**Date:** 23rd May 2011  
**Time:** 2.00 pm - 5.00 pm  
**Venue:** Tutorial 5

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    Prof. S.N. Omkar, Saurabh Mishra, Sanjay Tripathi, Gaurav Kumar  |
| 2. | E107 | Analysis for Solving Travelling Salesman Problem  
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| 3. | E109 | Image processing technique through refinement technique with adaptive simulation  
    Dr PV Senthil PhD  |
| 4. | E112 | Heuristic Algorithm for Edge Detection  
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| 6. | E116 | Performance Comparison Between MRAC and IMAC with Application to InnoSAT Control  
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| 7. | E128 | Adaptive Fuzzy Logic Control For Non-Linear System  
| 8. | E136 | Malaysia Sign Language Recognition Using Central Moment Features and Neural Network Model  
    Mohd Shuhana, bin Zanar Azalan, Rajkumar Palaniappan, Muhamad Zulhafis bin Abu Zair  |
| 9. | E137 | Sign Language Recognition Based on Fuzzy Information of Arm Motions  
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### Parallel Session 2b

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

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| 2. | E140 | Hybrid Power Study For Irrigation And Flood Control System  
| 3. | E146 | Digital Camera Based Color Sensor For Determining Leaf Color Level Of Paddy Plants  
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| 5. | E102 | Development of Software for Mitsubishi RV-M1  
    Pardeep Sharma, Dr. Parveen Kalra, Rajesh Kumar  |
| 6. | E103 | DC Motor Position Control with Disturbance Compensation  
    Nasimullah  |
| 7. | E104 | Multi-Agent Control Architecture of Mobile Manipulators Grasping Objects of Simple Forms  
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**Parallel Session 3a**

Date: 24th May 2011  
Time: 9.00 am – 10.30 am  
Venue: Tutorial 5

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     |     | Muhamad Fahezal Ismail, Norsehah Abd Karim, Yusof Mohd Ekhsan and Muhammad Syazwan Mohd Rathi    |
| 2. | E115| Sustainable Analysis of Lightweight Lift System Design for Disable People using Finite Element  
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| 3. | E120| Client Information Registration And Activities Tracking System  
     |     | Akram M. Zeki, Augerto Manci, Ljuljzim Hodzic                                                  |
| 4. | E123| Design And Analysis Of Microheater Using Ansys  
     |     | G.Sureskannan , Dr.G.Mohan Kumar                                                               |

**Parallel Session 3b**

Date: 24th May 2011  
Time: 9.00 am – 10.30 am  
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     |     | A. G. Azlan, D. Hazry Associate Prof. Dr.                                                        |
| 2. | E125| The Effect of Anomaly Detection Accuracy in Varying the Angular Resolution of Sonar Sensor Using Repetitive Observation Strategy (ROS)  
     |     | M.N.A.H. Sha'abani, M.F. Miskon                                                                 |
| 3. | E142| Application of Watershed Segmentation on RGB and HSI Model  
     |     | H.N. Lim, E.U. Francis, M.Y. Mashor, R. Hassan                                                  |
| 4. | E143| Design of a Micro-Controller based Portable Three Phase Digital Power Meter  
     |     | Syafiq Basri Bin Shaari and I. Elamvazuthi                                                      |
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**Date:** 24th May 2011  
**Time:** 10.45 am - 12.45 pm  
**Venue:** Tutorial 5

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*P.A.S. Radite, Wawan Hermawan, Abdul Azis, Bregas Budiyanto* |
| 2  | E147 | Human–Machine Interfacing In safety Manufacturing Environment With Voice Control Application  
*S.Manoj kumar, Dr.P.V.Senthill M.E Ph.D* |
| 3  | E149 | Determining The Velocities Before And After Impact Of Components In A Vibratory Part Feeder  
*M.Suresh, S.Udhayakumar, P.V.Mohanram* |
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| 5  | E127 | De-noising of Ultrasound Images of Bone Fracture In Wavelet Domain  
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| 6  | E133 | Determination of Speech Recognition Accuracy using DTW and MFCC Techniques  
*Lindasalwa Muda, K. M. Begam, I. Elamvazuthi, Razif Rashid, M. Luqman M. Zain* |

## Parallel Session 4b

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

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*I. Elamvazuthi, N.H.H.M., Hanif, P. Vasant and N.C., Sahoo* |
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| 4  | E141 | Investigation on Different Emotion Elicitations Methods for Human Computer Interaction  
*Jerritta S, M Murugappan, R Nagarajan, Khairunizam Wan, S Arun* |
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