
TATIUC International Conferences 2011

International Conference on Advanced Manufacturing (ICAM 2011)

International Conference on Chemical Innovation (ICCI 2011)

International Conference on Robotic Automation System (ICORAS 2011)

SCHEDULE

International Conference on Advanced Manufacturing
ICAM 2011

Day 1 : Monday, 23rd May 2011

8.00 am	Registration	Administration Building
8.30 am	Opening Ceremony	Main Lecture Hall 1
9.00 am	Keynote Speech 1	Tutorial Rooms 1 & 2
10.00 am	Refreshment	Foyer
10.30 am	Parallel Session 1a	Tutorial Room 1
	Parallel Session 1b	Tutorial Room 2
12.30 pm	Lunch	Multi-Purpose Hall & Lounge
2.00 pm	Parallel Session 2a	Tutorial Room 1
	Parallel Session 2b	Tutorial Room 2
5.15 pm	Refreshment	Foyer
8.00 pm	Gala Dinner	ITC Beach

Day 2 : Tuesday, 24th May 2011

8.00 am	Keynote Speech 2	Tutorial Rooms 1 & 2
9.00 am	Parallel Session 3a	Tutorial Room 1
	Parallel Session 3b	Tutorial Room 2
10.30 am	Refreshment	Foyer
10.45 am	Parallel Session 4a	Tutorial Room 1
	Parallel Session 4b	Tutorial Room 2
12.45 pm	Lunch	Multi-Purpose Hall & Lounge
2.00 pm	Parallel Session 5a	Tutorial Room 1
	Parallel Session 5b	Tutorial Room 2
4.00 pm	Refreshment	Foyer

Parallel Session 1a
Tutorial Room 1

- M 104 The Analysis of Metallurgical Bond Integrity of C45 Ultra Fine Pitch with 18 μ m Copper Wire
Chew Weily, Wong Boh Kid, Yap Boon Kar, Lee Boon Seong, Eu Poh Leng
- M 105 Experimental Study on Drilling of 6061 Aluminium Alloy- Central Composite Design Approach
Lee Kah Yong and Palanisamy Chockalingam
- M 110 Optimization of Parameters in Electrochemical Machining of Composite Material Using Genetic Algorithm
K L Senthil Kumar, R Sivasubramanian
- M 111 Mathematical Approach for Optimal Fixture Layout and Clamping Forces
S.M.Senthil, S.Selvakumar, K.P.Arulshri
- M 112 Feature Based Machining: CAM vs Macro
Muhammad Al'Hapis Abdul Razak, Ahmad Zakaria
- M 114 Preliminary Study Towards the Manufacturing of a Rotating Cylindrical Surface as a Lift Generator
Azharrudin Asrokin, Rizal Ramly, Halim Ahmad
- M 123 Artificial Muscle Construction Using Natural Fiber Silk for Bio-Medical Applications
S.Krishnan, T.Nagarajan and Ahmad Majdi Abdul Rani

Parallel Session 1b
Tutorial Room 2

- M 117 Tool Life Analysis for Machining Process Using Carbide Material
Yusof Kadikon
- M 136 Multiple Regression (MR) Technique for Springback Prediction and Solution
Z. Ahmad, K.B. Nagur Aziz and K. Khairul Za'im
- M 126 Research on Resin Bond for Grinding Tools
Rahimah, A.H., Linke, S. B.
- M 131 Experimental Study On Drilling Of 5083 Aluminum Alloy- Box-Behnken Design Approach
Yong Chee Men and Palanisamy Chockalingam
- M 134 Thermomechanical Modeling of Cutting Process using Arbitrary Lagrangian-Eulerian (ALE) Method
H.W. Masrurah and A.Mokhtar
- M 122 Fundamental Analysis on Benefits of New Modified Pneumatics Artificial Muscle Using Different Materials
S.Krishnan, Victor Amirtham, T.Nagarajan and Ahmad Majdi Abdul Rani

Parallel Session 2a
Tutorial Room 1

-
- M 139 Studies on Dry Turning of Aluminum 6061 – A Computational and Experimental Work
Prasad MSG, Kumar, Yogananda
- M 141 Experimental Study on Influences of Machining Parameter on Copper (CuA1) Surface Roughness
Mohd Riduan Ibrahim, Mohd Razali Md Yunos, Amir Huzaimie Jawahir
- M 144 Design and Analysis of Liquid Metal Flow in Die Casting
Taufik R.S., Mak K.K, Hambali A.A and Tajul A.A
- M 102 Glycine as Corrosion Inhibitor for 6061Al/ SiC Composite In Acid Media
Melby Chacko and Jagannath Nayak
- M 103 Improvement of Cu-Al Bond Integrity on Low K Pad Structures
Wong Boh Kid, Ooi Xin Yi, Yap Boon Kar, Yong C.C.
- M 107 Insulated Gold Wire for Ultra Fine Pitch Wire Bonding
Wong Boh Kit, Lim Shwe Ying and Yap Boon Kar
- M 113 Preliminary Study of Reverse Engineering Technique for Creating Computer Aided Design Model by using Photograph
Mohammad Rizal Ramly, Azharuddin Asrokin and Safura Abdul Rahman
- M 116 The Adjustable Stand for Universal Bevel Protractor based on Design for Environment and 5S Practices
Rahim Jamian, Mohd Nizam Ab Rahman, Mohd Shahrizan Yusoff, Nik Zainuddin Nik Ismail and Nizaroyani Saibani
- M 119 Preparation and Characterization of Sol-Gel dip-drive Coated TiO₂
T. Venkatachalam, K. Sakthivel

Parallel Session 2b
Tutorial Room 2

-
- M 143 A Feature Recognition System using Artificial Neural Network (ANN) to Select the Optimum Part Deposition Orientation in Fused Deposition Modeling (FDM) Machine
Khairul Fauzi Karim, Abdul Halim Zulkifli, Hazry Desa
- M 120 Structural and Optical Properties of TiO₂ Thin Films
R. Narayanasamy, T. Venkatachalam, R. Renugadevi, K. Sakthivel
- M 121 Mathematical Model to Determine Three-Dimensional Forces and Torque in Friction Stir Welding Process of Aluminum Alloy
Jauhari T. Khairuddina, Indra Putra Almanar, Zuhailawati Hussain
- M 124 Characterization of Silicon-Based Photonic Waveguide Surface Intensity
M.A. Yub, M.M. Shahimin and M.H. A.Wahid
- M 125 Structural and Optical Properties of Electrodeposited MoS₂ Thin Films for Photoelectrochemical (PEC) / Solar Cell Applications
S. Shariza, Z. M. Rosli and T. Joseph Sahaya Anand
- M 127 Optical Band-Edge Absorption of TiO₂
K. Sakthivel, T. Venkatachalam, R. Narayanasamy
- M 128 Preparation and Characterization of Cu(In_xGa_{1-x})Se₂ Thin films by Ultrasonic Chemical Bath Deposition
M. Chandramohan and T. Venkatachalam
- M 130 The Study of 3D CAD Data and Data Losses Using Reverse Engineering Technology in The Generation of Standard Triangular Language (STL) Format.
Fadzilah Husani Firdaus, Ramlan Roszaidi and Boejang Hambali
- M 132 Band Gap Analysis of Sol-Gel Dip-Drive Coated TiO₂ Thin Films
R. G. Sethuraman, T. Venkatachalam, R. Narayanasamy, K. Sakthivel

Parallel Session 3a
Tutorial Room 1

- M 133 Experimental Investigation on the Effect of Container Geometry Change to Liquid Sloshing
M.A.M. Irwan, M.M. Syahrail, A.M. Fudhail, S.M and Adrinata, R. Nadlene
- M 137 Experimental Investigation on High Performance Concrete Using Silica Fume and Superplasticizer
P. Vinayagam, R.Sundarrajan, K.Perumal
- M 138 The Study and Design of Thermoacoustic Air Conditioning System
M. Mat Salleh, H. S. Khee and M. Z. M Zain
- M 140 Titanium Alloy (Ti-6Al-4V) Welding Using Pulsed Nd:YAG Laser
Nur Jannah Md Ngajib, Abdullah Wagiman, Zazuli Mohid and Md Saidin Wahab

Parallel Session 3b
Tutorial Room 2

- M 145 Contaminants on Electrical Contacts Used in Semiconductor Device Testing
K. Y. Ong and Md. Radzai Bin Said
- M 146 The Benefits and Conflicts of Knowledge Transfer Between Industry, Academia and Government
Paul Curry, P M Hackney and Steve Dean
- M 101 Total Preventive Maintenance (TPM) In Manufacturing Process
S. Noranom Abd Rahman and M.S. Abd Rahman
- M 106 Analysis of Productivity and Availability of Automated Lines
R. Usubamatov, A. Ahmed, A. Qasim

Parallel Session 4a
Tutorial Room 1

- M 108 Analysis of a Bulk Queue with Two Heterogeneous Services, Multiple Vacations and Setup Time
K.S. Ramaswami
- M 118 Design and Analysis of Punching Die for Cutting Process
Khairul Shahril Shaffee, S. Sulaiman
- M 115 Development of a Framework for Jishu Hozen Implementation Toward Labour and Productivity Effectiveness
Mohd Shahrizan Yusoff, Rahim Jamian, Mohd Nizam Ab Rahman, Nik Zainuddin Nik Ismail and Nizaroyani Saibani
- M 135 Modelling and Optimization of Parameters in Bulk Micromachining
A.K.Basu, J.N.Bharadwaj and U.M.Ganapati
- M 129 Critical Success Factors and Barriers of TPM Implementation in Developing Countries
F. Harsej, Sha'ri M. Yusof, I. Nikookar
- M 142 Strategic Success Factors for ERP Projects in a Developing Country
Shahin Dezdar
- M 147 Application of Integrated Kano's Method and Quality Deployment Function in New Product Development Process
A.N. Hidayah, A. Hambali, A.S. Rahim and M.Minhat

International Conference On Chemical Innovation
ICCI 2011

Day 1 : Monday, 23rd May 2011

8.00 am	Registration	Administration Building
8.30 am	Opening Ceremony	Main Lecture Hall 1
9.00 am	Keynote Speech 1	Main Lecture Hall 1
10.00 am	Refreshment	Foyer
10.30 am	Parallel Session 1a	Tutorial Room 3
	Parallel Session 1b	Tutorial Room 4
12.30 pm	Lunch	Multi-Purpose Hall & Lounge
2.00 pm	Keynote Speech 2	Main Lecture Hall 2
3.00 pm	Parallel Session 2a	Tutorial Room 3
	Parallel Session 2b	Tutorial Room 4
5.15 pm	Refreshment	Foyer
8.00 pm	Gala Dinner	ITC Beach

Day 2 : Tuesday, 24th May 2011

8.00 am	Keynote Speech 3	Main Lecture Hall 2
9.00 am	Parallel Session 3a	Tutorial Room 3
	Parallel Session 3b	Tutorial Room 4
10.30 am	Refreshment	Foyer
10.45 am	Parallel Session 4a	Tutorial Room 3
	Parallel Session 4b	Tutorial Room 4
12.45 pm	Lunch	Multi-Purpose Hall & Lounge
2.00 pm	Parallel Session 5a	Tutorial Room 3
	Parallel Session 5b	Tutorial Room 4
4.00 pm	Refreshment	Foyer

Parallel Session 1a
(10.30 am - 12.30 pm)
Tutorial Room 3

-
- C 101 Production of Biodiesel from Waste Chicken Fats: An Optimization Study via Response Surface Methodology
Nazerah Ahmad, Mohd Taufiq Hamzah, Norulakmal NorHadi, Zatul Iffah Mohd Arshad
- C 114 Low Cost Method for the Removal of Crystal Violet by Using Waste Materials in Multilayer Column
Mohammad Arifur Rahman, Mohammad Shahidullah and A. M. Shafiqul Alam
- C 117 Computer Simulation of the Laminar Flow of A Non-Newtonian Fluid in the Process by the Finite Volume Method and Experimental Comparison
Sadegh Moradi, M. H. N. Famili
- C 118 Removal of M-Cresol from Aqueous Phase by Adsorption on Treated Tea Waste
F. Ghafar, S. A. Mohd, A. N. Norazam and N. N. Hadi
- C 119 Nonlinear Modeling of Industrial i-butane/n-butane Distillation Column Using Feedforward Neural Network
D. Muhammad, Z. Ahmad and N. Aziz
- C 120 Simulation Studies of Continuous Bioethanol Fermentation Process
N. Mohd and N. Aziz

Parallel Session 1b
(10.30 am - 12.30 pm)
Tutorial Room 4

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- C 123 The Control of Bisphenol a Molecular Imprinted Polymers Fabrication Using Factorial Design Analysis
M. S. Shareena and C.K. M. Faizal
- C 124 Ultrasonic Assisted Extraction of Tannins from Jatropha Curcas Stem Bark
Amirah Izam and Reddy Prasad
- C 125 Optimization of Extraction on Extraction Yield of Orthosiphon Stamineus Using Response Surface Methodology Technique.
Farhan M., A Luqman Chuah, K.Y. Pin, Zamree Md Shah
- C 126 Studies of Extraction Kinetics for Gallic Acid Extraction from Eurycoma Longifolia Roots
M. Mohamad, M. W. Ali and A. Ahmad
- C 131 Efficiency of Pineapple Leaves Powder as a Drag Reducing Agent in Pipelines
Marmy Roshaidah Mohd Salleh, Hayder A.Abdul Bari and Rosli Mohd Yunus
- C 135 2Extraction, Separation and Identification of Phalerin from Phaleria macrocarpa (Scheff.) Boerl.
N. F. Ismail, A. Ismail, T.G. Chuah, Z. Abdullah, Li A. R, K. Y. Pin
- C 163 Process Fault Diagnosis of Tennessee Eastman Process using ANFIS and Multi-Scale PCA
C.K. Lau, C.R.Che Hassan and M.A. Hussain

Parallel Session 2a
(2.00 – 5.00 pm)
Tutorial Room 3

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- C 136 Drying Kinetics and Mathematical Modeling of Piper Betle L. Extract using Heat Pump Dryer
Ahmad P.F.W.M., Chuah T.G., Law C.L., Pin K.Y., Choong T.S.Y.
- C 137 Bio-based Lubricants for Numerical Solution of Elastohydrodynamic Lubrication
Dedi Rosa Putra Cupu, Kahar Osman and Jamaluddin Md Sheriff
- C 138 Lysozyme Adsorption onto Immobilized Metal cation Affinity Mesoporous Silica Adsorbents
S. H. Hussin, S. H. Mohd-Setapar, C.Y. Mohd-Azizi, H.Y. Goh and L. P. Teoh
- C 139 The Effect of Different External Flow Velocities on Pipe Vibration
Mohd Airil Fahmi, Syarifah Syahirah, Nor Azinee Said, Kahar Osman
- C 140 Preparation of Tubular Ceramic Foam as Membrane Support in Transesterification Process
Sharmiwati Mohammed Sharif, Zainal Arifin Ahmad, Mohd Roslee Othman
- C 142 Studies on Nonlinear Dynamic of Tray Distillation Column using Equilibrium Model
N.S. Che Din, K. Ramesh and S.Y. Chin
- C 143 Studies on Modeling and Dynamics of Reactive Distillation Column for Mtbe Synthesis
Y.Y. Liang, K. Ramesh and S.Y. Chin
- C 144 Experimental Study of Effect of Sparger Geometry on the Gas Holdup in Bubble Column
S.M. Walke and V.S. Sathe
- C 107 Chemistry of Materials and Polymer Functionalization in Composite Technology
M. Avella, R. Avolio, I. Bonadies, C. Carfagna, M.E. Errico and G. Gentile
- C 148 Effect of Blending Ratio of Cocodiesel (CME) on Diesel Engine Performance
Desrial

Parallel Session 2b
(2.00 – 5.00 pm)
Tutorial Room 4

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- C115 The D.C Electrical Properties Of (PVA-LiF) Composites
Hamed Ibrahim, Alaa J.Kadham Algidsawi and Ahmed Hashim
- C 149 Effect of Microwave Treatment on Acid Hydrolysis of Sago Pith for Preparation of Fermentable Sugar in Bioethanol Production
Titi Candra Sunarti, Martin Dwiko, Nur Richana, Anja Meryandini
- C 151 Comparison of Some Acidic Homogeneous Catalysts for Esterification of Oleic Acid with Oleyl Alcohol
Naowara M. Al-arafi, Jumat Salimon and Bashar Mudhaffar Abdullah
- C 153 Fatty Acid Methyl Ester based Degreaser in Metal Cleaning Application and Properties
A. R. Mustafa, Roslina R., Ku Halim Ku Hamid, Mohibah Musa, Juferi Idris, R. Rosliza
- C 155 The Effect of Different Type of Zeolite on Development of Asymmetric Polyethersulfone (PES) Mixed Matrix Membrane for O₂/N₂ Separation
C. B. N. Farhanah and R. Norida
- C 156 Effect of Zeolite Concentrations on Development of Polyethersulfone Mixed Matrix Membranes (MMMs) for O₂/N₂ Separation
M.M.Hidayat and R.Norida
- C 157 Optimization of Spray Drying Process of Piper Betle L. (Sirih) Leaves Extract Coated with Maltodextrin
Tee Lee Hong, Luqman Abdullah, Pin Kar Yong, Tee Li Teng, Abdull Rashih Ahmad, Yus Aniza Yusof
- C 158 Natural Dyes Extraction From Red Pitaya (Hylocereus Polyrhizus): A Review
M.Z.Nurzahida and A.M. Mimi Sakinah
- C 160 CFD Study on the Performance of Oxygen Lance for Partial Combustion Unit at Direct Reduction Plant
M. Irwan Shah Md Zain, Jolius Gim bun and Zulkaflī Hassan

Parallel Session 3a
(9.00 – 10.30 am)
Tutorial Room 3

- C 102 Preparation And Characterization Of Poly(Lactic Acid)/Fattythioic Acids Modified Clay Nanocomposite
Emad A. Jaffar Al-Mulla
- C 106 Bio Composite Materials Based on Bio Polymers and Natural Fibers -Contribution as Bone Implants
D.Chandramohan and K. Marimuthu
- C 145 Detached Eddy Simulation (DES) of Co-Current Spray Dryer
Noor Intan Shafinas Muhammad and Jolius Gimbun
- C 108 A Comparative Study on Kenaf and Oil Palm Fibre Reinforced Recycled Polypropylene Composites
M.R. Islam and M.D.H. Beg

Parallel Session 3b
(9.00 – 10.30 am)
Tutorial Room 4

- C 111 Preparation and Property of Thermo-Responsive Hydrogel with Movable Cross-Linking
Masataka Kubo, Kazuhiro Ishida, Takahiro Uno and Takahito Itoh
- C 121 Enhancing Coating Characteristics of Palm Stearin based Alkyd Resin Using Methylene Disalicylic Acid
A.R.N.Azimi, Rosiyah Yahya and Seng – Neon Gan
- C 122 The Synthesis of a New Copolymer by Using of Allylglycidil Ether Derivatives
Masoumeh Soleimanbeigi, Mahshid Nikpour Nezhati, Homayon Ahmad Panahi, Nasir Ahmad Rajabi
- C 127 Studying the Potential of Okra-Acrylonitrile Copolymer as New Drag Reduction Agent
Siti Nuraffini Kamarulizam, Hayder A. Abdul Bari and Rohaida Che Man

Parallel Session 4a
(10.45 am – 12.45 pm)
Tutorial Room 3

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- C 129 Morphologies and Electrical Property of Polyvinyl Alcohol/ Multiwalled Carbon Nanotube - Manganese Dioxide Nanofiber Composites
M.F.M.Zamri, S.H.S.Zein, A.Z.Abdullah and N.I.Basir
- C 133 Performance Comparison of Melamine Urea Formaldehyde (Muf) Based Adhesive with Various Types of Filler
Ong Huei Ruey, Reddy Prasad, Maksudur Rahman Khan
- C 134 Synthesis of Colloidal Iridium Nanoparticles and Their Catalytic Activity in Hexacyanoferrate(III) - Amino Acid Redox Reaction
Anjali Goel and Sonia Sharma
- C 146 Thermogravimetric Analysis of Palm Oil Empty Fruit Bunch (EFB) Fiber Reinforced Poly Lactic Acid (PLA) Composite
A.K.M.M. Alam, M.D.H.Beg and D. M.R. Prasad
- C 147 Biocompatible Synthesis of Silver Nanoparticle and Its Medicinal Application on Histamine
Atul. R. Ingole, Sanjay R. Thakare, N.T. Khati
- C 152 Conformational Analysis (Geometry Optimization) of Chemotherapeutic Agent Cytarabine by Arguslab Software
Soumendranath Bhakat and Madhurendra Kumar

Parallel Session 4b
(10.45 am – 12.45 pm)
Tutorial Room 4

-
- C 159 A Short Review of Hydrophilic Surface Modification Methods for Low Density Poly Ethylene
Mohib Reza Kazimi, Iqbad Ahmed1, Che Ku Mohammad Faizal
- C 161 Oil Palm Empty Fruit Bunch and Glass Fibre Reinforced Recycled Polypropylene Composites
Makson Rivai, Arun Gupta and M.D.H.Beg
- C 103 Anthocyanin (Natural Dye) Sensitizing Tio2 In Photodegradation Processes
Ahed Zyoud, Iyadd Saaddedin, Nidal Zaatar, Muath H. Hilal and Hikmat S. Hilal
- C 104 Spectrophotometric Determination Amount Phosphate in Water and Waste Water and Some Several Natural Sample
Bakhtiar khodavirdilo, Ali Reza Salehy, Samaneh Khodavirdilo
- C 110 Removal of Lignin and Hemicellulose from Meranti Sawdust by Two-Stages of Pretreatment: OFAT Study
R. Rusmawarni and A. M. Mimi Sakinah
- C 112 Computational Modeling of Capillary Electrophoretic Behavior of Primary Amines Using Dual System of 18-Crown-6 and β -Cyclodextrin
*Abdullah A. Elbashira, FakhrEldin O. Sulimana**

Parallel Session 5a (2.00 – 4.00 pm)
Tutorial Room 3

-
- C 113 Bio-based Additives for Polypropylene Stabilization
V. Ambrogi, P. Cerruti, P. Persico and C. Carfagna
- C 116 Surveying Effect of Landfill Leachate on the Langkawi Island's Environment
Elmira Shamshiry, Behzad Nadi, Mazlin Mokhtar, Ibrahim Komoo, Halimaton Saadiah Hashim, Nadzri Yahaya
- C 128 Third Generation of Biofuel: "Nutrient Utilization of Tofu Biowaste as a Growth Medium of Microalgae *Chlorella Vulgaris* for Completing the Problem of Global Warming, Environmental Pollution, and the National Target of Biofuel for Indonesia Energy Mix 2025"
Muhammad Iqbal
- C 130 Removal of Heavy Metal Using Adsorbent Prepared from Durian Peel
Mohd, R.N.H and Hasanordin, R.N.
- C 132 Characterization and Corrosion Behavior Of Rare Earth Element (Ree)-Based Anodic Oxidation Coating on Az91d Magnesium Alloy
M.Z.M. Zain, Z. Nooraizedfiza, M. Mat Salleh, N. A. Shuaib and S. Norbahiyah
- C 141 Interaction Effect of Murakami and Sulfuric Acid Solutions on the Cobalt Removal of Tungsten Carbide Substrate
S. Izman, Habib Safari, E.M. Nazim, Mohammed Rafiq Abdul-Kadir, A. Shah, S. Idris, Hassan M.A.

Parallel Session 5b
(2.00 – 4.00 pm)
Tutorial Room 4

-
- C 154 A Preliminary Study: Effects of Oxidising Agents on Photodegradation of Acephate
Nik Raihan Nik Yusoff, A.J. Chaudhary, M. Scrimshaw
- C 105 8-Hydroxyquinoline-based Neutral Tripodal Ionophore as a Mercury (II)-selective Electrode
Bakhtiar khodavirdilo, Alireza Salehy, Molod Abrahamy
- C 109 Development of Lithium-air Rechargeable Batteries with Aqueous Electrolytes
Nobuyuki Imanishi, Tao Zhang, Yuta Shimonishi, Atsushi Hirano, Yasuo Takeda and Osamu Yamamoto
- C 150 Degradation of Monoepoxide Linoleic Acid for Biolubricant Applications
Bashar Mudhaffar Abdullah, Jumat Salimon and Naowara M. Al-arafi
- C 162 Extraction of Betel Leaves (*Piper betle* L.) by Hydrodistillation
N.H. Noor Hadzuin, A. Luqman Chuah, M.A. Nor Azah, K.Y. Pin, S. Vimala, Z.P.Mohammad Faridz

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Day 1 : Monday, 23rd May 2011

8.00 am	Registration	Administration Building
8.30 am	Opening Ceremony	Main Lecture Hall 1
9.00 am	Keynote Speech 1	Main Lecture Hall 1
10.00 am	Refreshment	Foyer
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	Parallel Session 1b	Tutorial Room 6
12.30 pm	Lunch	Multi-Purpose Hall & Lounge
2.00 pm	Tutorial	Main Lecture Hall 1
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8.00 pm	Gala Dinner	ITC Beach

Day 2 : Tuesday, 24th May 2011

8.00 am	Keynote Speech 2	Main Lecture Hall 1
9.00 am	Parallel Session 3a	Tutorial Room 5
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10.45 am	Parallel Session 4a	Tutorial Room 5
	Parallel Session 4b	Tutorial Room 6
12.45 pm	Lunch	Multi-Purpose Hall & Lounge
2.00 pm	Parallel Session 5a	Tutorial Room 5
	Parallel Session 5b	Tutorial Room 6
4.00 pm	Refreshment	Foyer

Parallel Session 1a
(10.30 am - 12.30 pm)
Tutorial Room 5

- E 114 General Algorithm of m-Multiple Coil Shape for Variable Links Hyper-Redundant Robotic Manipulator.
Annisa Jamali, Raisuddin Khan and Md. Mozasser Rahman
- E 117 Multiple Mobile Robots Trajectory Tracking While Maintaining Time-Varying Formations via Synchronization Approach
Ibrahim Mohamed Hafiz Sanhoury, Shamsudin H.M. Amin and Abdul Rashid Husain
- E 118 Intelligent Controller for Differential Drive Wheeled Mobile Robot (WMR): A Comparative Analysis
Razif Rashid, I. Elamvazuthi, K.M. Begam, M. Luqman M. Zain and Lindasalwa Muda
- E 119 Loosely Coupled Low Cost IMU\GPS Integration for Car Navigation Like Robot
O. M. Maklouf, A. Ghilla, S. A. Gashoot
- E 121 Design and Modeling of Biped Robot With Heterogenous Leg
A M. Azmi Adly, I. Elamvazuthi, K.M. Begam, W. Amirfaiz and W. Faizura
- E 122 Simulation of Humanoid Arm Using Fuzzy Technique
W. Amirfaiz W. Daud, I. Elamvazuthi, K.M Begam, W. Faizura and M.Azmi Adly

Parallel Session 1a
(10.30 am - 12.30 pm)
Tutorial Room Room 6

- E 126 Hybrid Controller for Multi Fingered Robot Hand
Wan Faizura Tarmizi, I. Elamvazuthi, K.M. Begam, W. Amirfaiz and M. Azmi Adly
- E 130 A Remote Navigation Methodology for a Four Wheel Rectangular Configured Holonomic Mobile Telemedicine Robot
Muralindran Mariappan, Vigneswaran Ramu, Thayabaren Ganesan, Brendan Khoo T. T. and Kumarheshan Vellian
- E 131 Feedback Linearization for Depth Positioning of a Spherical Underwater Robot Vehicle (URV)
M. Azfar Tajul Arifin, M.N. Karsiti and I. Elamvazuthi
- E 132 Virtual Mobile Robot Simulation Using Microsoft Robotic Studio: 3D Modelling of Mobile Robot and its Integration into Visual Simulation Environment
Yusman Yusof, M. Fadzil Abu Hassan, Noor Jihan M. Saroni and W. M. Fathurrahman Che Wan Azizan
- E 101 Active Suspension Using Optimal Control
Norsarizan Mat Youb, Mohd Ruddin Abd. Ghani, Hamzah Sakidin and Syed Najib Syed Salim
- E 105 Automatic Electrocardiographic Analysis Using Artificial Neural Network Models
Sri T.V.K.Hanumantha Rao, Saurabh Mishra and Sudhir Kumar Singh

Parallel Session 2a
(2.00 – 5.00 pm)
Tutorial Room 5

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- E 106 Vision Based Obstacle Detection Mechanism of a Fixed Wing UAV
S.N. Omkar, Saurabh Mishra, Sanjay Tripathi, Gaurav Kumar
- E 107 Analysis for Solving Travelling Salesman Problems
Khushmeet Kumar and Pardeep Sharma
- E 109 Image Processing Technique Through Refinement Technique with Adaptive Simulation
PV Senthil
- E 112 Heuristic Algorithm for Edge Detection
Senthil, A.N.Senthilve, T.Hemamalini, B.Ramesh Kumar, S.Vignesh Ram
- E 113 Shape-Based Matching: Application of Edge Detection Using Harris Point
Mohamad Haniff Harun, Marizan Sulaiman and Hairol Nizam Mohd Shah
- E 116 Performance Comparison between MRAC and IMAC with Application to InnoSAT Control
M.N.Norhayati, M.Y.Mashor, S.M.Sharun, A.A.Azamimi, W.N.Hadani
- E 128 Adaptive Fuzzy Logic Control for Non-Linear System
F.A. Bakri, M.Y. Mashor, A.R.M Saad, S.M. Sharun, M.N. Norhayati, Wan Nur Hadani
- E 136 Malaysia Sign Language Recognition Using Central Moment Features and Neural Network Model
Mohd Shuhanaz Zanar Azalan, Rajkumar Palaniappan and Muhamad Zulhafis Bin Abu Zair
- E 137 Sign Language Recognition based on Fuzzy Information of Arm Motions
Khairunizam Wan, Shahrizan A.B, Siti Khadijah Za'aba, Mohd Azri Abd Aziz and Shamsul Azri Mohd Nor

Day 1 (23rd May 2011)
Parallel Session 2b (2.00 – 5.00 pm)
Tutorial Room 6

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- E 139 Adaptive Neuro-Controller for Three-Axis Attitude Control of Nano-Satellite
S. M. Sharun, M. Y. Mashor, M. N. Norhayati, W. N. Hadani, S. Yaacob
- E 140 Hybrid Power Study for Irrigation and Flood Control System
A.B. Shahrizan, M.M. Khalil, Khairunizam Wan, S.K. Zaaba, W.N.Imaduddin, D.Hazry, I.Zunaidi
- E 146 Digital Camera Based Color Sensor for Determining Leaf Color Level of Paddy Plants
I.W. Astika, M. Solahudin, R. P. Setiawan, M. F. Syuaib, I. E. Nugroho, M. Ardiyansah
- E 148 An Undergraduate Artificial Intelligence Laboratory: Colour Sensing Using Fuzzy Logic
Mohd Fadzil Abu Hassan, Yusman Yusof, Mohd Alif Syami Azmi and Mohd Nazrul Mazli
- E 102 Development of Software for Mitsubishi RV-M1
Pardeep Sharma, Parveen Kalra and Rajesh Kumar
- E 103 DC Motor Position Control with Disturbance Compensation
Nasimullah
- E 104 Multi-Agent Control Architecture of Mobile Manipulators: Grasping Objects of Simple Forms
R. Benbouali, A. Hentout and B. Bouzouia
- E 108 Automatic Visual Inspection of Defects for Cylindrical Object's Surface
Mohammed A. H. Ali, Mohammed N. B. Ahmed, Ibrahim M. H. Sanhoury, Siti Fadilah B. Abd Latip and Jameel A. A. Mukred
- E 110 Half Car Suspension System Using Fuzzy Logic Controller
A.A.Basari, M.Esro, R.A.Manap and S.Sapie

Parallel Session 3a
(9.30 – 10.30 am)
Tutorial Room 5

- E 111 The Effectiveness of Industrial Networks Protocol in Automation System.
Muhamad Fahezal Ismail, Norsehah Abd Karim, Yusof Mohd Ekhsan and Muhammad Syazwan Mohd Rathi
- E 115 Sustainable Analysis of Lightweight Lift System Design for Disable People Using Finite Element.
S.F. Ismail, M.Y Taib and M.Ishak
- E 120 Client Information Registration and Activities Tracking System
Akram M. Zeki, Augerto Manci and Ljuljzim Hodzic
- E 123 Design and Analysis of Microheater Using Ansys
G.Sureshkannan, G.Mohan Kumar

Parallel Session 3b
(9.30 – 10.30 am)
Tutorial Room 6

- E 124 Flight Stability in Hovering Of A Fixed-Wing Unmanned Aerial Vehicle (UAV)
A. G. Azlan and D. Hazry
- E 125 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 and M.F. Miskon
- E 142 Application of Watershed Segmentation on RGB and HSI Model
H.N. Lim, E.U. Francis, M.Y. Mashor, R. Hassan
- E 143 Design of a Micro-Controller Based Portable Three Phase Digital Power Meter
Syafiq Basri Shaari and I. Elamvazuthi

Parallel Session 4a
(10.45 am – 12.45 pm)
Tutorial Room 5

- E 145 Design and Performance Test of Embedded Module Metering Device for Variable Rate Fertilizer Applicator
P.A.S. Radite, W. Hermawan, A. Azis, B. Budiyo
- E 147* Human –Machine Interfacing In safety Manufacturing Environment With Voice Control Application
S.Manoj Kumar and P.V.Senthill
- E 149 Determining the Velocities Before and After Impact of Components in a Vibratory Part Feeder
M.Suresh, S.Udhayakumar and P.V.Mohanram
- E 127 De-noising of Ultrasound Images of Bone Fracture In Wavelet Domain
M. Luqman M. Zain, I. Elamvazuthi, K.M. Begam, Razif Rashid and Lindasalwa Muda
- E 129 Virtual Medical Instrument for OTOROB Based on LabVIEW for Acquiring Multiple Medical Instrument LCD Reading Using Optical Character Recognition
Muralindran Mariappan, Vigneswaran Ramu, Thayabaren Ganesan, Brendan Khoo T. T. and Kumarheshan Vellian
- E 133 Determination of Speech Recognition Accuracy using DTW and MFCC Techniques
Lindasalwa Muda, K. M. Begam, I. Elamvazuthi, Razif Rashid and M. Luqman M. Zain

Parallel Session 4b
(10.45 am – 12.45 pm)
Tutorial Room 6

- E 134 Evaluation of EMG Signal Classification Techniques
I. Elamvazuthi, N.H.H.M., Hanif, P. Vasant and N.C., Sahoo
- E 135 Hemodynamic Effect of Anastomosis Length and Angle in Side-to-side and End-to-side Radiocephalic Arteriovenous Fistula (RCAVF) using Computational Fluid Dynamics (CFD)
W.A.W. Hassan, K. Osman, M.R.A. Kadir, J. Haron
- E 138 Introduction on the Biomedical Applications of Atmospheric Plasma
S.K. Zaaba, Khairunizam Wan and A.B Shahrman
- E 141 Investigation on Different Emotion Elicitation Methods for Human Computer Interaction
Jerritta S, M Murugappan, R Nagarajan, Khairunizam Wan and S Arun
- E 144 A Study on Different Driver Alertness Methods during Hypovigilance
S Arun, M Murugappan, Kenneth Sundaraj and S Jerritta

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