

ICORAS 2011

No	ID	Title	Authors	University
1.	E101	Active Suspension Using Optimal Control	Norsarizan Mat Youb ¹ , Mohd Ruddin Abd. Ghani ² , Hamzah Sakidin ³ , Syed Najib Syed Salim ⁴	UTEM
2.	E102	Development of Software for Mitsubishi RV-M1	Pardeep Sharma*, Dr. Parveen Kalra**, Rajesh Kumar***	Lecturer-Mechanical Engg. Deptt. *,Prof. & Head- Production Engg. Deptt. **, Asst. Prof.- Mechanical Engg. Deptt. *** Baddi University of Emerging Sciences & Technologies*, PEC University of Technology**, UIET (Panjab University)***
3.	E103	DC Motor Position Control with Disturbance Compensation	Nasimullah	Beihang University, Beijing China
4.	E104	Multi-Agent Control Architecture of Mobile Manipulators Grasping Objects of Simple Forms	R. BENBOUALI, A. HENTOUT, B. BOUZOUIA	Computer-Integrated Manufacturing and Robotics (DPR) Centre for Development of Advanced Technologies (CDTA) Algeria
5.	E105	Automatic Electrocardiographic Analysis Using Artificial Neural Network Models	Sri T.V.K.Hanumantha Rao, Saurabh Mishra, Sudhir Kumar Singh	National Institute of Technology, Warangal, (A.P.), India
6.	E106	Vision Based Obstacle Detection Mechanism of a Fixed Wing UAV	Prof. S.N. Omkar ¹ , Saurabh Mishra ² , Sanjay Tripathi ³ , Gaurav Kumar ³	¹ Department of Aerospace Engineering, Indian Institute of Science Bangalore, India ² Department of Computer Science & Engineering, National Institute of Technology Warangal,(A.P), India ³ Department of Computer Engineering, National Institute of Technology Surathkal,(Karnataka), India
7.	E107	Analysis for Solving Travelling Salesman Problem	Khushmeet Kumar, Pardeep Sharma	Baddi University of Emerging Sciences & Technology, Panjab University
8.	E108	Automatic Visual Inspection of Defects for	Mohammed Abdo Hashem Ali	UTM

		Cylindrical Object's Surface		
9.	E109	Image processing technique through refinement technique with adaptive simulation	Dr PV Senthil PhD	Coimbatore Institute of Technology, Tamil Nadu, India
10.	E110	Half Car Suspension System Using Fuzzy Logic Controller	¹ Amat A. Basari, ² Mazran Esro, ³ Redzuan A. Manap, ⁴ Syazana Sapie	UTEM
11.	E111	The Effectiveness Of Industrial Networks Protocol In Automation System	Muhamad Fahezal Ismail ¹ , Norsehah Abd Karim ² , Yusof Mohd Ekhsan ³ and Muhammad Syazwan Mohd Rathi ⁴	Universiti Kuala Lumpur Malaysia France Institute
12.	E112	Heuristic Algorithm for Edge Detection	A.N.Senthilvel ¹ , Dr.P.V.Senthil ² and Dr V.Selladurai ³	Coimbatore Institute of Technology, India
13.	E113	Shape-Based Matching: Application of Edge Detection using Harris Point	Mohamad Haniff Harun ¹ , Marizan Sulaiman ² , Hairol Nizam Mohd Shah ³	Universiti Teknikal Malaysia Melaka (UTeM)
14.	E114	General Algorithm of n-multiple coil shape for Variable Links Hyper-Redundant Robotic Manipulator	Annisa Jamali, MD. Raisuddin Khan, MD Mozasser Rahman	IIUM
15.	E115	Sustainable Analysis of Lightweight Lift System Design for Disable People using Finite Element	S.F. Ismail, M.Y Taib, M.Ishak.	UMP
16.	E116	Performance Comparison Between MRAC and IMAC with Application to InnoSAT Control	M.N. Norhayati ¹ , M.Y. Mashor ¹ , S.M.Sharun ¹ ,A.A.Azamimi ¹ ,W.N.Hadani ²	UNIMAP
17.	E117	Multiple Mobile Robots Trajectory Tracking While Maintaining Time-Varying Formations via Synchronization Approach	Ibrahim Mohamed Hafiz Sanhoury, Shamsudin H.M. Amin, Abdul Rashid Husain	UTM
18.	E118	Intelligent Controller for Differential Drive Wheeled Mobile Robot (WMR): A Comparative Analysis	Razif Rashid ¹ , I. Elamvazuthi ² , K.M. Begam ³ , M. Luqman M. Zain ⁴ , Lindasalwa Muda ⁵	UTP
19.	E119	Loosely Coupled Low cost IMU\GPS Integration for Car Navigation like Robot	O. M. Maklouf ⁽¹⁾ , A. Ghilla ⁽²⁾ S. A. Gashoot ⁽³⁾	Engineering Academy, Tajoura, LIBYA
20.	E120	CLIENT INFORMATION REGISTRATION AND ACTIVITIES TRACKING SYSTEM	AKRAM M. ZEKI, AUGERTO MANCI, LJULJZIM HODZIC	IIUM
21.	E121	Design and Modelling of Biped Robot with Heterogenous Leg	M. Azmi Adly ¹ , I. Elamvazuthi ² , K.M. Begam ³ , W. Amirfaiz ³ , W. Faizura ⁴	UTP

22.	E122	Simulation of Humanoid Arm Using Fuzzy Technique	W. Amirfaiz Bin W. Daud, I. Elamvazuthi, K.M. Begam, M. Azmi Adly, W. Faizura	UTP
23.	E123	Design And Analysis Of Microheater Using Ansys	¹ G.Sureshkannan , ² Dr.G.Mohan Kumar(**invited as chair person)	Coimbatore Institute of Technology, India
24.	E124	Flight Stability In Hovering Of A Fixed-Wing Unmanned Aerial Vehicle (Uav)	A. G. Azlan, D. Hazry Associate Prof. Dr.	UNIMAP
25.	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'abani¹, M.F. Miskon²	UTEM
26.	E126	Hybrid Controller for Multi Fingere Robot Hand	Wan Faizura Tarmizi, I. Elamvazuthi, K.M. Begam, W. Amirfaiz , M. Azmi Adly	UTP
27.	E127	De-noising of Ultrasound Images of Bone Fracture In Wavelet Domain	M. Luqman M. Zain* , I. Elamvazuthi, K.M. Begam, Razif Rashid, Lindasalwa Muda	UTP
28.	E128	Adaptive Fuzzy Logic Control For Non-Linear System	F.A. Bakri ¹ , M.Y. Mashor ¹ , A.R.M Saad ¹ , S.M. Sharun ¹ , M.N. Norhayati ¹ , Wan Nur Hadani ²	UNIMAP
29.	E129	Virtual Medical Instrument for OTOROB Based on LabVIEW for Acquiring Multiple Medical Instrument LCD Reading Using Optical Character Recognition	Muralindran Mariappan ¹ , Vigneswaran Ramu ¹ , Thayabaren Ganesan ¹ and Brendan Khoo T. T. ¹ , Kumarheshan Vellian ¹	UMS
30.	E130	A Remote Navigation Methodology for a Four Wheel Rectangular Configured Holonomic Mobile Telemedicine Robot	Muralindran Mariappan ¹ , Vigneswaran Ramu ¹ , Thayabaren Ganesan ¹ and Brendan Khoo T. T. ¹ , Kumarheshan Vellian ¹	UMS
31.	E131	Feedback Linearization for Depth Positioning of a Spherical Underwater Robot Vehicle (URV)	M. Azfar Tajul Arifin, M.N. Karsiti , I. Elamvazuthi	UTP
32.	E132	Virtual Mobile Robot Simulation Using Microsoft Robotic Studio	Yusman Yusof, M. Fadzil Abu Hassan M. Fadzil Abu, Noor Jihan M. Saroni,	UNIKL-FRANCE

			W. M. Fathurrahman Che Wan Azizan	
33.	E133	Determination of Speech Recognition Accuracy using DTW and MFCC Techniques	Lindasalwa Muda*, I. Elamvazuthi, K.M. Begam, Razif Rashid, M. Luqman M. Zain	UTP
34.	E134	Evaluation of EMG Signal Classification Techniques	I. Elamvazuthi, N.H.H.M., Hanif, P. Vasant and N.C., Sahoo	UTP
35.	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)	W.A.W. Hassan ¹ , K. Osman ¹ , M.R.A. Kadir ² , J. Haron ³	UTM
36.	E136	Malay Sign Language Recognition using 2D-moments and Neural Network Model	Mohd Shuhanaz bin Zanar Azalan, Rajkumar Palaniappan, Muhamad Zulhafis bin Abu Zair	UNIMAP
37.	E137	Sign Language Recognition Based on Fuzzy Information of Arm Motions	Khairunizam wan, A.B. Shahrman, S.K. Zaaba, Mohd Azri Abd Aziz	UNIMAP
38.	E138	Introduction on the Biomedical Applications of Atmospheric Plasma	S.K. Zaaba, Khairunizam Wan, A.B. Shahrman	UNIMAP
39.	E139	Adaptive Neuro-Controller For Three Axes Attitude Control Of Innovative Satellite	S. M. Sharun ¹ , M. Y. Mashor ¹ , W. N. Hadani ² , M. N. Norhayati ¹ , S. Yaacob ¹	UNIMAP
40.	E140	Hybrid Power Study For Irrigation And Flood Control System	A.B. Shahrman ¹ , M.M. Khalil ¹ , Khairunizam WAN ¹ , S.K. Zaaba ¹ , W.N.Imaduddin ¹ , D.Hazry ¹ , I.Zunaidi ²	UNIMAP
41.	E141	Investigation on Different Emotion Elicitations Methods for Human Computer Interaction	Jerritta S, M Murugappan, R Nagarajan, Khairunizam Wan	UNIMAP
42.	E142	Application of Watershed Segmentation on RGB and HSI Model	H.N. Lim ¹ , E.U. Francis ¹ , M.Y. Mashor ¹ , R. Hassan ²	UNIMAP
43.	E143	Design of a Micro-Controller based Portable Three Phase Digital Power Meter	Syafiq Basri Bin Shaari* and I. Elamvazuthi	UTP
44.	E144	A Study on Different Driver Alertness Methods during Hypovigilance	S Arun, M Murugappan, Kenneth Sundaraj	UNIMAP
45.	E145	Design and Performance Test of Embedded Module Metering Device for Variable Rate Fertilizer Applicator	P.A.S. Radite ¹⁾ , Wawan Hermawan ¹⁾ , Abdul Azis ²⁾ , Bregas Budiyanto ³⁾	Bogor Agricultural University, Indonesia

46.	E146	CCD Camera Based Color Sensor for Determining Leaf Color Level of Paddy Plants	I Wayan Astika, M. Solahudin, Radite P. Setiawan, M. Faiz Syuaib, Ilham Eko Nugroho	Bogor Agricultural University,Indonesia
47.	E147	Human –Machine Interfacing In safety Manufacturing Enviornment With Voice Control Application	s.Manoj kumar,(**), Dr.P.V.Senthill M.E Ph.D	Coimbarote instute of technology, India
48.	E148	An Undergraduate Artificial Intelligence Laboratory: Colour Sensing Using Fuzzy Logic	Yusman Yusof, Mohd Fadzil Abu Hassan, Mohd Alif Syami Azmi, Mohd Nazrul Mazli	UNIKL-FRANCE INSTITUTE
49.	E149	Determining The Velocities Before And After Impact Of Components In A Vibratory Part Feeder	M.Suresh ¹ , S.Udhayakumar ² , P.V.Mohanram ³	PSG College of Technology, Coimbatore, India
50.	ET101	Implementation of Fuzzy Logic using Industrial Robot: Part 1, Fuzzification	Samsi M S, N Nagarajan, Sazali Y,Zunaidi I, Anton S and Rozailan	TATIUC
51.	ET102	Implementation of Fuzzy Logic using Industrial Robot: Part 2, Knowledge Embodiment and Defuzzification	Samsi M S, N Nagarajan, Sazali Y,Zunaidi I, Anton S and Rozailan	TATIUC
52.	ET103	Blending Predictive and Reactive Contour Tracking Industrial Robot	Samsi M S, N Nagarajan, Sazali Y,Zunaidi I, Anton S and Rozailan	TATIUC
53.	ET104	Comparison between Reactive Contour Tracking and the Hybrid Blending Contour Tracking approach for Industrial Robot Application	Samsi M S, N Nagarajan, Sazali Y,Zunaidi I, Anton S and Rozailan	TATIUC
54.	ET105	Matlab-based Neural Network Modeling for Financial and Industrial Robot Predictive Contour Tracking Application	Samsi M S, N Nagarajan, Sazali Y,Zunaidi I, Anton S and Rozailan	TATIUC
55.	ET106	Development of an Intelligent Control for a Green House	M.Nasiruddin,G. Ruzlaini, A.Kharudin,K.Noraznafulsima, S. S.M. Nor Safieni, A.A.Bahri	TATIUC
56.	ET107	Precision Analysis of Mobile Robot Map Making	Suditama ¹ , M.S. Samsi ¹ L. Zulkarnain ¹ , A.B. Samat ¹	TATIUC
57.	ET108	Automatic Balance Evaluator and Rehabilitation Mechanism	Suditama ¹ , I. Zunaidi ¹ , Z. Zuraida ² , S. Dinsuhaimi ² , Z. M. Normaini ² , A.B.	TATIUC

			Shahriman ³	
58.	ET109	Path Planning for the Crazy Robot	A.A.Bahri, G.Ruzlaine, A.Kharudin, M.Nasiruddin, S.M. Nor Safieni	TATIUC
59.	ET110	Construction of hand clapping activated fan control	S.Muhammad Nor Safieni, G.Ruzlaine, A.Kharudin, A.A.Bahri, M. Nasiruddin	TATIUC
60.	ET111	Ant Colony Approach in Digital Image Processing – Review	Ng Yian Ying ¹ , Noraznafulsima Khamshah ¹ , Damhuji Rifai ¹	TATIUC
61.	ET112	Temperature Compensation of Hot-wire Thermal Flow Sensor by using ANN	Noraznafulsima Khamshah ¹ , Ahmed N.Abdalla ² , Damhuji Rifai ¹ , Ng Yian Ying ¹	TATIUC
62.	ET113	Performance Control Of The Three-Phase An Induction Motor Couple to DC Motor In HEV	Zulkarnain Lubis, Solly Aryza, Suditama Sulaiman	TATIUC
63.	ET114	A Binary Particle Swarm Optimization Approach For Routing in PCB Holes Drilling Process	Mohd Hafiz Othman ^{1,2} , Asrul Adam ² , Amar Faiz Zainal Abidin ² , Zulkili Md Yusof ² , Zuwairie Ibrahim ²	TATIUC
64.	ET115	Optimisation of Palm Oil Screw Press Machine Motor Current Load by Using Fuzzy Logic Control System	O. W. Zulkarnain ¹ , A.A. M Redhwan ² , M.Z. Norul Azlin ³	TATIUC
65.	ET116	Stabilise Palm Oil Screw Press Machine Motor Current Load by Using Fuzzy Logic Control System	O. W. Zulkarnain ¹ , A.A. M Redhwan ² , M.Z. Norul Azlin ³	TATIUC
66.	ET117	Evaluating User's Acceptance of Groupware System based on Computer Self-Efficiency: A Case Study at TATIUC	Wan Roslina, Syahrul Fahmy, Nurul Haslinda	TATIUC
67.	ET118	An Intelligent Reward Application for Bio-Informatics Knowledge Management System	Nurul Haslinda, Syahrul Fahmy, Wan Roslina	TATIUC
68.	ET119	Comparison of Search Schemes in the Design of a Memo Retrieval System	Aini Zuriyati, Syahrul Fahmy, Nazri Ibrahim	TATIUC
69.	ET120	Analysis of Sensor Performance In Line Following Robot	O.M. Aiman, Z.M. Zahari, G. Ruzlaine, M.Z.M. Luqman, R. Damhuji	TATIUC
70.	ET121	Smart Temperature Sensor for Patient Health Monitoring	S.M.H. Syafiq, G. Ruzlaine	TATIUC