2013 International Conference on Control, Automation, Robotics and Embedded Systems

(CARE 2013)

Jabalpur, MP, India
16-18 December 2013

Technical Program

Day 1: 16th December 2013, Monday

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Session Chair	:	Prof. Tasuku Hoshino
Time	:	16:20 to 17:40
Venue	:	CR1

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5   Swarup Das, Binjan Bandopadyay and Arun Kumar Paul. "Position Control of Pneumatic Actuator Using Sliding Mode Control in Conjunction with Robust Exact Differentiator". """3

45   Rafik Salloum, Bijan Moaveni and Mohamadreza Arvan. "Identification, Uncertainty Modelling, and Robust Controller Design for an Electromechanical Actuator". """9

7   Siddharth Deshmukh, Balasubramaniam Natarajan and Anil Pahwa. "Stochastic Stability of Linear Quadratic Controller over Intermittent Actuator Inputs". """35

17   Brajesh Kumar, Mohan Lal Dewal and Shaktidev Mukherjee. "Control and Monitoring of MSF-RO Hybrid Desalination Process"."""3;

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89   Naresh Marturi, Sounkalo Dembele and Nadine Piat. "Depth and Shape Estimation from Focus in Scanning Electron Microscope for Micromanipulation"."""4:

108   Anuradha Ranasinghe, Lahiru Rasnayake and Kasun Samarasinghe. "Development of an Intelligent Reconfigurable NCAP for Smart Transducer Applications". """56

220   Rajib Kumar Jha, Sraban Kumar Mohanty, and Anand Maitrey. "Entropy-Based Rain Detection and Removal"."""62"

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58 Avinash Gautam and Sudeept Mohan. "A Distributed Dining Philosopher Based Algorithm for Circle Formation by Multiple Mobile Robots".'"""76

95 Usn Rao. "Design of Automatic Cotton Picking Robot with Machine Vision Using Image Processing Algorithms". '"""7;

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182 Chitrakant Sahu, Dr. Jawar Singh and Prof P.N. Kondekar. "Electrical Characteristics and Short Channel Performance Comparision of Different Gate Junctionless Transistors".'"""8;

193 Alok Naugarhiya and P.N. Kondekar. "Electrical Characteristics Comparison between Process and Device Structures of Super Junction VDMOS".'"""96

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14 Puxi Wang and Guang Feng. "A Study of Optimal Control Strategy of Networked Control Systems with Stochastic Delay and Packet Losses"."""": 4

27 Sabyasachi Mondal and Smita Sadhu. "Platform Motion Disturbances Attenuation in A Missile Seeker Subsystem Using Internal Model Control"."""": 9

48 Moina Ajmeri and Ahmad Ali. "A Comparative Study of PI Tuning Methods for Integrating Processes"."""; 3

157 D. Nangru, D.K. Bairwa, K. Singh, S. Nema and P.K. Padhy. "Modified PSO based PID Controller for Stable Processes". """; 9

163 Saurabh Pandey and Somanath Majhi. "Relay based Identification of Process Dynamics under Noisy Environment"""""324

181 Navneet Chaudhary, Rakesh Raj, Kommala Kiran, Swapnil Nema and Prabin Padhy. "Improved Asynchronous PSO based Design of Multivariable PID Controller"."""" 32:

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137   Kirti Kanchan and Suresh Chandra Gupta. "Effects of Traffic Density on Performance of Reactive Routing Protocols"."""3; 5

88   Ajinkya Dahale. "Magnetic Levitation and Control Using Two Solenoids with Their Axes in a Vertical Plane".'"""'3; :

213   Basant Kumar Sahu and Bidyadhar Subuidhi. "Potential Function based Formation Control of Multiple AUVs Steering Towards a Safety Region".'"""'P IC

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164 Chetan Sadhu, Abhiram M. H., Chandan B., Madhu G. and Shreedarshan K.. "Cognitive Learning Enabled Real Time Object Search Robot"."""474

174 Rangan M K, Rakesh S M and Sandeep G S P. "A Computer Vision based approach for Detection of Fire and Direction Control for Enhanced Operation of Fire Fighting Robot"."""47:

187 Vijay Bhaskar Semwal, Aparajita Bhushan, Manisha Sahu and Gora Chand Nandi. "Bipedal Push Recovery Based on Learning". """486

206 Sanjay Sarma O V, Vishwanath Lohit T and Pugazhenthi S. "Development and Testing of a Foraging strategy for low cost Swarm Robots". """492

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42 Pritesh Sankhe, Selvia Kuriakose and Uttama Lahiri. "A Step towards a Robotic System With Smartphone Working As Its Brain :An Assistive Technology"."""4: :

125 Arkapravo Bhaumik, Luke Dunn and Koushik Kabiraj. "An Empathizing Robot, Development of Human-like Emotions and Augmented Dynamics' (H.E.A.D) and it's Emotion Cloud"."""4; 6

177 Sagar Shirwalkar, Alok Singh, Kamal Sharma and Namita Singh. "Telemanipulation of an Industrial Robotic Arm using Gesture Recognition with Kinect". """524

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104 Tasuku Hoshino, Satoshi Yokota and Taiki Chino. OmniRide: "A Personal Vehicle with 3 DOF Mobility". """553

176 Narendra Kumar Dhar. Differential "Evolution tuned Computed torque controller parameter for trajectory tracking of Robot manipulator"."""P IC

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82 Hari Bansal and Karan Gandhi. "Smart Metering in Electric Power Distribution System"."""56:

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126 Amar Banerji, Abhishek Jaju and Prabir Kumar Pal. "Experiments on Telemanipulation with Delayed Live' Video".""""599

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215 Ranjeet Kumar, Anil Kumar and Rajesh K. Pandey. "An efficient compression System for ECG signal using QRS periods and CAB technique based on 2D DWT and Huffman Coding".""""5: ;

235 Rohit Tiwari, Pavan Kumar Kankar and Vijay Kumar Gupta. "Bearing Fault Diagnosis Using Radial Basis Function Network and Adaptive Neuro Fuzzy Classifier".""""5; 7

223 Sourav Pradhan, Saikat Kumar Shome, Mangal Prakash and Manoj Kumar Patel. "Performance Evaluation of Dither Distributions of Piezo Electric Actuators for Nano-Positioning".""""5; ;

94 Amit Kumar and Aparajita Ojha. "Performance Evaluation of Certain Proportional Navigation Guidance Schemes".""""627

77 Rahul Upadhyay, Pavan Kumar Kankar, Prabin Kumar Padhy and Vijay Kumar Gupta. "Robot motion control using Brain Computer Interface".""""634

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67   Akhilesh Kumar Mishra and Vineet Kumar Tiwari. "Speed Control of dc motor using Artificial Bee Colony Optimization"."""65:

83   Deepak Mishra and Vinayk Cs." Image based Circuit Simulation"."""666

119   Sanjeet Kumar Sinha. "Impact of Temperature Variation on CNTFET Device Characteristics"."""66:

138   Priyank Jain. "Privacy preserving processing of high dimensional data classification based on sample selection and singular value decomposition"."""675

190   Gaurav Purohit. "Hardware Co-simulation of Walsh Sequences for 3G Software Defined Radio"."""67:

204   Maheswari C, Krishnamurthy K, Parameshwaran R and Gnanagurubaran V. "Application of Fuzzy PID controller for SO2 emission control process"."""P IC

207   Ramu Endluri, Mohit Kathait and Kailash Chandra Ray. "Face Recognition using PCA on FPGA based Embedded Platform". """684

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