Journal of Automation and Control Engineering

CONTENTS

Volume 3, Number 4, August 2015

Extremum Seeking for Dead-Zone Compensation and Its Application to a Two-Wheeled Robot 265
Dessy Novita and Shigeru Yamamoto

EMG Based Control of a Robotic Exoskeleton for Shoulder and Elbow Motion Assist 270
Mohammad H. Rahman, Cristobal Ochoa-Luna, Maarouf Saad, and Philippe Archambault

A Visual Servoing System for Interactive Human-Robot Object Transfer 277
Ying Wang, Daniel Ewert, Rene Vossen, and Sabina Jeschke

Adaptive Wavelet Backstepping Control for a Class of MIMO Underactuated Systems 284
A. Kulkarni and A. Kumar

Air Combat Tactics among the Fourth Generation Fighters 290
Rong Yang and Chi Shen and Fangming Huang

Space Ballooning 294
Rahul Munagala

Using Active Learning in Motor Control and Matlab Simulation 299
Ercan Nurcan Yilmaz and Onur Battal

Improvement of Buck Converter Performance Using Artificial Bee Colony Optimized-PID Controller 304
Yusuf Sonmez, Ozcan Ayyildiz, H. Tolga Kahraman, Ugur Guvenc, and Serhat Duman

Design and Implementation of an EPB Diagnostic 311
Donghoon Ban, Taeyoung Lee, and Sungho Jin

Multistep Ahead Prediction of Electric Power Systems Using Multiple Gaussian Process Models 316
Tomohiro Hachino, Hitoshi Takata, Seiji Fukushima, Yasutaka Igarashi, and Keiji Naritomi

Development of Sensors and Microcontrollers for Small Temperature Controller Systems 322
Ali Jebelli and Mustapha C. E. Yagoub

Closed Loop Speed Control of Miniature Brushless DC Motors 329
H. L. Chan and K. T. Woo

A New Design of Single Side Brushless Direct Current Linear Motor 336
Mahir Dursun, Ali Saygın , Semih Özden, and Ahmet Fenercioğlu

Application of Alternating Electric Current in Leather Industry to Kill Extremely Halophilic Archaea Found in Brine Solutions 343
Yasar Birbir, Sema Anik, Meral Birbir, and Pinar Caglayan