

Journal of Automation and Control Engineering

CONTENTS

Volume 2, Number 2, June 2014

Some Exergetic Measures of a JT8D Turbofan Engine	110
<i>Onder Turan, Hakan Aydin, T. Hikmet Karakoc, and Adnan Midilli</i>	
Security Systems for Remote Farm	115
<i>Donabel D. Abuan, Alexander C. Abad, Jose B. Lazaro Jr., and Elmer P. Dadios</i>	
External Flashover of Generator Circuit Breaker in Coastal Power Plants having Air Insulated Switchyard ...	119
<i>Bishnu Prasanna Nanda and Pramod Kumar Saxena</i>	
Devise Simplified Equation to Calculate the Percentage of Heat Loss with Exhaust Gases, and to Calculate the Coefficient of the Overall Efficiency of the Boiler that Burns Heavy Fuel Oil	124
<i>Salah Salem Ali</i>	
Acute Assessment of Dynamics, Barriers and Resolutions Governing Household Energy Efficiency: Global Review.....	129
<i>Santosh D Dalvi, Ashok V Bhonsale, and Ravindra M Datar</i>	
Optimization of A Small Scale Dual-Axis Solar Tracking System Using Nanowatt Technology	134
<i>Jay Robert B. del Rosario, Reggie C. Gustilo, and Elmer P. Dadios</i>	
Real Time Monitoring and Analysis of Tropical Impact on PV Performance Based on LabVIEW Architecture	138
<i>M. Effendy Ya'acob, Hashim Hizam, and M. Amran M. Radzi</i>	
Utilization of Vegetable and Fruit Waste for Bio-Energy Generation	143
<i>Sneha Chafle, Vinayaka Parmar, and Seemab Biya</i>	
Experimental Study of A Solar Assisted Ground Source Heat Pump for Heating	146
<i>Zhongchao Zhao, Weixian Feng, Haojun Mi, Hua Cheng, Long Yun, and Xuemei Gong</i>	
Improved Performance of Ultra-Fast Carbon Nanotube Film Heaters.....	150
<i>Dawid Janas and Krzysztof K. Kozioł</i>	
Effects of Quantization on Digital Buck Converter Switch Mode Power Supply.....	154
<i>Mark Lorenze Torregosa, Elmer R. Magsino, and Jessica C. Cabiles-Magsino</i>	
Co-Simulation Study of Coordinated Engine Control Focusing on Tracked Vehicle Shift Quality	160
<i>Taotao Wu, Kai Han, Ling Pei, and Changlu Zhao</i>	
Thermoelectric Generator Using Local Mineral MnO-Fe ₂ O ₃ -SiO ₂ -BaO-Al ₂ O ₃ -Others	166
<i>Areerat Dawongsat, Kitsana Lamsombat, Chartchai Bunyattarkoon, and Weerasak Somkhunthot</i>	
Thermoelectric Module Using Local Minerals p-Type SiO ₂ -Fe ₂ O ₃ -CaO-SO ₃ -MgO and n-Type Fe ₂ O ₃ -SiO ₂ -Al ₂ O ₃ -MgO	171
<i>Weerasak Somkhunthot and Khuanrutai Jaisom</i>	

Thermoelectric Module Using Local Minerals p-Type $\text{SiO}_2\text{-Fe}_2\text{O}_3\text{-CaO-SO}_3\text{-MgO}$ and n-Type $\text{MnO-Fe}_2\text{O}_3\text{-SiO}_2\text{-BaO-Al}_2\text{O}_3$	176
<i>Watcharin Detkunthong, Kittiya Panphum, Wichuda Boonpong, and Weerasak Somkhunthot</i>	
Sustainable Management of Small Hydropower for Rural Electrification in Lao PDR by Economic, Social and Environment Blueprint Perspective.....	181
<i>Akhomdeth Vongsay and Xayphone Bounsovou</i>	
The Structure of Common Linear Copositive Lyapunov Functions for Continuous time Switched Positive Linear Systems	187
<i>Zhu Liqin and Wu Zhaorong</i>	
Temperature Compensated AlN Based SAW.....	191
<i>Andrew B. Randles, Julius M. Tsai, Piotr Kropelnicki, and Hong Cai</i>	
Power Control System Design in Induction Heating with Resonant Voltage Inverter.....	195
<i>Mihaela Popescu and Alexandru Bitolean</i>	
Function of Shanashir in Hot Humid Climate Case Study: Boushehr.....	199
<i>Deljavan Farshi Negar, Kord Jamshidi Mariya, Alimoradi Maryam, and Pourshahid Shima</i>	