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Notice: As of 2014 and for the forthcoming years, the publication frequency/periodicity of WSEAS Journals is adapted to the 'continuously updated' model. What this means is that instead of being separated into issues, new papers will be added on a continuous basis, allowing a more regular flow and shorter publication times. The papers will appear in reverse order, therefore the most recent one will be on top.

Impact factor according to the citations in Thomson Reuters (ISI Web of Knowledge) for 2014: 0,008

Impact Factor = A/B where: A = the number of citations by Thomson Reuters (ISI Web of Knowledge) in 2014 for the published papers in this journal in 2012 and 2013. B = the total number of papers published by this journal in 2012 and 2013.

Acceptance Rate (for the years 2013 and 2014): 23.26%

Acceptance Rate = C/D where: C = the number of accepted papers, D= the number of submitted papers. Withdrawn Papers are not considered for the numbers C and D.

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Articles:

Stability Analysis of BAM Neural Networks with Inertial Term and Time Delay

Authors: Yunquan Ke, Chunfang Miao

Reliability Analysis of a Deteriorating System with Delayed Vacation of Repairman

Authors: Danhong Liu, Genqi Xu, Nikos E. Mastorakis

<u>Modeling, Analysis and Neural MPPT Control Design of a PV-Generator Powered DC Motor-Pump System</u>

Authors: Ahmed M. Kassem

The Mathematical Structure of a Bias-Minimized Assessment Algorithm

Authors: Zhuhan Jiang, Jiansheng Huang

Design and Realization of Short Range Defence Radar Target Tracking System Based on DSP/FPGA

Authors: Pan-Long Wu, Bao-Bao Wang, Cun-Hui Ji

A Particle Filter and SVM Integration Framework for Fault-Proneness Prediction in Robot Dead Reckoning System

Authors: Lingli Yu, Min Wu, Zixing Cai, Yu Cao

Mathematical Models of Force and Torque in Machining 10TiMoNiCr175 Stainless Steel Holes

Authors: Mihaiela Iliescu, Bogdan Vlase, Ovidiu Blajina

Soft Computing Algorithms in Price of Taiwan Real Estates

Authors: Hong-Yu Lin, Kuentai Chen

Structure Design and Performance Analysis for Locomotion System of the Field Exploration Robot

Authors: Shang Weiyan, Qiu Faju Yang, Chaozhen Zhengshuhua

Regression Models of Process Parameters Interdependence in Turning S12Mn2Si Metallized Coatings

Authors: Mihaiela Iliescu

<u>Guaranteed Cost Control of Uncertain T-S Fuzzy Systems via Output Feedback Approach</u>

Authors: Jun Wei, Yali Dong, Yongfeng Su

Generalized State Equation for Petri Nets

Authors: Cem Baskocagil, Salman Kurtulan

A Novel Approach for Meeting the Challenges of the Integrated Security Systems

Authors: Moein Kasem, Nadim Chahin

<u>Some Mathematical Descriptions of Multi-Connected System of Fuzzy State Space Model via Number</u> Theory Approach

Authors: Taufiq Khairi Ahmad Khairuddin

Fuzzy Embedded Mobile Robot Systems Design through the Evolutionary PSO Learning Algorithm

Authors: Hua-Ching Chen, Dong-Hui Guo

<u>Design of Capacity Regulation System for Reciprocating Compressor Based on Programmable Logic</u> Controller

Authors: Dacheng Li, Zhinong Jiang, Lihua Cui

Dynamic Characteristics and Graphic Monitoring Design of Photovoltaic Energy Conversion System

Authors: Kuo-Hua Liu

Investigation Life Time Model of 22 kV XLPE Cable for Distribution System Applications in Thailand

Authors: Boonruang Marungsri, Anucha Rawangpai, Nimit Chomnawang

Novel Mechanisms for Quality of Service Improvements in Wireless Ad Hoc Networks

Authors: Mohammad S. Saraireh, Nidal A. Al-Dmour

A Domain-Specific Architectural Foundation for Engineering of Numerical Software Systems

Authors: Arbi Ghazarian

Green Supply Implementation based on Fuzzy QFD: An Application in GPLM System

Authors: Chih-Hung Hsu, An-Yuan Chang, Hui-Ming Kuo

Design of On-line Clock Jitter Fault Detection Circuit for Time-Error-Tolerant System

Authors: Yu Changhong

Study of Magnetic Field Shielding Roof of Cabin Electricity Authority Resulting in Operators Working

Authors: P. Pao-La-Or

Adaptive Control for a Five-Fingered Prosthetic Hand with Unknown Mass and Inertia

Authors: Cheng-Hung Chen, D. Subbaram Naidu, Marco P. Schoen

Intelligent Control Network Design Based on CAN-bus for Audio Equipment

Authors: Xiuli Zhang, Zhong Wan, Deyang Yang, Weidong Chen

A Geometrical Approach For Fuzzy DEA Frontiers Using Different T Norms

Authors: Luiz Biondi Neto, Joao Carlos Correia Baptista Soares De Mello, Lidia Angulo Meza, Eliane Goncalves Gomes, Nissia Carvalho Rosa Bergiante

Torque Control Strategy for Parallel Hybrid Electric Vehicles using Fuzzy Logic

Authors: Zhang Yi, Liu Heping, Wang Huabin

A Study of the Evaluation Model for Sustainable Community Industrial Development Using Dynamic Programming Method

Authors: Kuei-Yang Wu

Modeling Identification and Simulation of Bank to Turn Unmanned Aerial Vehicle

Authors: Huan-Jung Lin, Tain-Sou Tsay

<u>Incipient Fault Diagnosis of Rolling Element Bearing based on Wavelet Packet Transform and Energy Operator</u>

Authors: Zhongqing Wei, Jinji Gao, Xin Zhong, Zhinong Jiang, Bo Ma

Applications of Simplified Fuzzy ARTMAP to Partial Discharge Classification and Pattern Recognition

Authors: Boonruang Marungsri, Suphachai Boonpoke

<u>Comparison of Travel-time Statistics of Backscattered Pulses from Gaussian and Non-Gaussian Rough</u> Surfaces

Authors: Gao Wei, She Huqing

A Feedback Linearization Based Control Strategy for VSC-HVDC Transmission Converters

Authors: Li Shuang, Wang Zhixin, Wang Guoqiang

Environmental Affection Based RFID Potential Bio-Disease Tracking/Tracing System

Authors: Chau-Chen Wu, Ming-Shen Jian, Ta Yuan Chou

<u>Thermal Effect of the Slanted Surface around the Central Hole of a Miniature Delta Wing on the Leading-edge Vortices</u>

Authors: Chin-Tsan Wang, Tzong-Shyng Leu

Heart Beat Classification Using Wavelet Feature Based on Neural Network

Authors: Wisnu Jatmiko, Nulad W. P., Elly Matul I., I Made Agus Setiawan, P. Mursanto

Gray-Level Co-Occurrence Matrix Bone Fracture Detection

Authors: Hum Yan Chai, Lai Khin Wee, Tan Tian Swee, Sheikh Hussain

New Method for Designing 2-D (Two-Dimensional) IIR Comb Filters

Authors: Nikos E. Mastorakis