



# IAENG Transactions on Engineering Technologies [ Special Issue of the World Congress on Engineering and Computer Science 2012 /

Ao, Sio-Iong.,

editor

Amouzegar, Mahyar A.,

editor

Rieger, Burghard B.,

editor

Kim, Haeng Kon.,

editor

Springer Netherlands :

Imprint: Springer,

2014

**Libros electrónicos descargables**

Monografía

IAENG Transactions on Engineering Technologies contains forty-nine revised and extended research articles, written by prominent researchers participating in the conference. Topics covered include circuits, engineering mathematics, control theory, communications systems, systems engineering, manufacture engineering, computational biology, chemical engineering, and industrial applications. This book offers the state of art of tremendous advances in engineering technologies and physical science and applications, and also serves as an excellent source of reference for researchers and graduate students working with/on engineering technologies and physical science and applications

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbgVlcmF0aW9uOmVzLmJhcmF0ei5yZW4vMjkyNzc2Mw>

---

**Título:** IAENG Transactions on Engineering Technologies Recurso electrónico] :] Special Issue of the World Congress on Engineering and Computer Science 2012 edited by Haeng Kon Kim, Sio-Iong Ao, Mahyar A. Amouzegar, Burghard B. Rieger

**Editorial:** Dordrecht Springer Netherlands Imprint: Springer 2014

**Mención de serie:** Lecture Notes in Electrical Engineering 1876-1100 247

**Contenido:** 1 A 480 MHz Bandpass Sigma Delta Analog to Digital Modulator with Active Inductor based Resonators -- 2 Basic Computations using a Novel Scalable Pulse-Mode Modules -- 3 Hardware Implementation Of Microprogrammed Controller Based Digital FIR Filter -- 4 Drude-Lorentz Model Of Semiconductor Optical Plasmons -- 5 Optimal Power Conversion of Standalone Wind Energy Conversion Systems Using Fuzzy Adaptive Control -- 6 Design of Augmented Observer for Rotor Systems -- 7 Cooperative Tasks Using Teams of Mobile Robots -- 8 An Optimized, Authenticated Key Distribution Protocol For Optical Channels -- 9 Adaptive Controller Design For Two-Link Flexible Manipulator -- 10 Fuzzy Adaptive Control for a Class of Non-Affine Systems Based on Singular Perturbation Theory -- 11 Using Multi-Agent Systems for Hardware Upgrade advice in Smart Grid Simulations -- 12 Ballistic Behaviour in Bounded Velocity Transport -- 13 Fuzzy Logic Control Versus Traditional Pi Control Applied To A Fixed Speed Horizontal Axis Wind Turbine -- 14 Linear Quadratic Regulation Of A Rotating Shaft Being Subject To Gyroscopic Effect Using A Genetic Optimization Algorithm -- 15 Adaptive Control System For Solution Of Fault Tolerance Problem -- 16 Multiple Direction-of-Arrival Estimation for a Mobile Robotic Platform with Small Hardware Setup -- 17 Analysis Of Metallic Plume Image Characteristics During High Power Disk Laser Welding -- 18 Accurate Spectral Estimation of Non-periodic Signals Based on Compressive Sensing -- 19 Stereoscopic 3D Adjustment Under Specific Capture Conditions -- 20 Cursive Handwritten Text Document Preprocessing Methodologies -- 21 Tracing Malicious Injected Threads using Alkanet Malware Analyzer -- 22 Syntactic And Semantic Taxonomy Of Preferential Voting Methods -- 23 High Assurance Enterprise Scaling Issues -- 24 The ACROSS Integrity Model -- 25 Modeling of the stress distribution in temporomandibular joint with subtotal replacement -- 26 Fault-tolerant optimization for Application-Specific Network-on-Chip Architecture -- 27 Improved Anytime D\* Algorithm -- 28 Scheduling of Real-Time Networks with a Column Generation Approach -- 29 A Unifying Framework for Parallel Computing -- 30 Improving Network Intrusion Detection With Extended KDD Features -- 31 On the Numerical Solutions of Boundary Value Problems in the plane for the Electrical Impedance Equation: A Pseudoanalytic Approach for Non-Smooth Domains -- 32 An Ontology-Based Methodology For Building And Matching Researchers' Profiles -- 33 Automated Attention Analysis Across Brands And Cultures In Online Beer Marketing -- 34 Inspiring Creative Minds -- 35 Mitigating Rural E-Learning Sustainability Challenges Using Cloud Computing Technology -- 36 Information Harvest From Social Network Data (Facebook 100 Million Urls) -- 37 Human Gait Modeling and Statistical Registration for the Frontal View Gait Data with Application to the Normal/Abnormal Gait Analysis -- 38 Statistical Recognition of Aspiration Presence with Microwave Doppler Signals -- 39 Classification Of Hyperspectral Images Using Machine Learning Methods -- 40 Evaluating The Effect Of Single And Combined Climate Modes On Rainfall Predictability -- 41 A Simplex-Crossover-based Multi-Objective Evolutionary Algorithm -- 42 Efficient Operational Management Of Enterprise File Server With File Size Distribution Model -- 43 Dispersed Software Environment In Virtual Prototyping Of Underground Mining Mechanical Systems -- 44 An Integrated Approach Based On 2-Tuple Fuzzy Representation And QFD For Supplier Selection -- 45 Development Of A Novel Approach For Electricity Forecasting -- 46 Energy Consumption Of Biodiesel Production From Microalgae Oil Using Homogeneous And Heterogeneous Catalyst -- 47 Detrended Fluctuation Analysis: An Experiment About The Neural regulation Of The Heart And Motor Vibration -- 48 Conditions Of Simulated Ulnar Nerve Response Using Prony's Method -- 49 Despeckling Of Ultrasound Images Of Bone Fracture Using Radwt Based Nonlinear Filtering

**ISBN:** 9789400768185 978-94-007-6818-5

**Autores:** Ao, Sio-Iong., editor Amouzegar, Mahyar A., editor Rieger, Burghard B., editor Kim, Haeng Kon., editor

**Punto acceso adicional serie-Título:** Engineering Springer-11647. Lecture Notes in Electrical Engineering 1876-1100 247

---

## Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- [informa@baratz.es](mailto:informa@baratz.es)