Table of Contents

Mirela Sechi Moretti Annoni Notare

Editorial to the Regular Issue
Mirela Sechi Moretti Annoni Notare

An approach for Assembly Sequence Planning based on Max-Min Ant System
Maybel Díaz, Hassan Lombera, Edith Martinez, Rosario Garza

Design and Implementation of Adaptive Neural PID for Non Linear Dynamics in Mobile Robots
Francisco Rossmendo, Carlos Soria

Fully-Integrated CMOS LDO Regulator Based on an Embedded Current-Mode Capacitor Multiplier
Alireza Saberkari, Herminio Martinez Garcia, Rasoul Fathipour, Eduard Alarcón Cot

Implementation of an Adaptive Filter using an Evolvable Hardware Strategy
Mónica Andrea Lovay, Gabriela Marta Peretti, Eduardo Abel Romero

On the Calculation of Spectral Green’s Functions of Cylindrical Multilayer Structures
Alexis Fabricio Tinoco S., José Carlos da S. Lacava, Odilon M. C. Pereira Filho

Parameter-Varying Notch Filter With Tunning Mechanism For The Acquisition Of Electrocardiographic Signals Subject To Powerline Interference
Isabelo Meza Dector, Miguel Ángel Gutiérrez de Anda

Performance Analysis and Modeling of OFDM-TDMA Systems Using Queueing Theory and a Markov Modulated Fluid Model
Víctor Hugo Teles Costa, Flávio Henrique Teles Vieira, Lee Luan Ling

PSO Algorithm Applied to Codebook Design for Channel-Optimized Vector Quantization
Herbert Albérico Sá Leitão, Waslon Terllizzie Araújo Lopes

Sparse Objects Location Using Compressive Sensing
Maytee Zambrano, Carlos Medina, Raul Paz Tamayo

Strategy to Control the Terminal Voltage of a SRG Based on the Excitation Voltage
Eduardo Sylvestre Lopes Oliveira, Manoel Luis Aguiar, Ivan Nunes da Silva

Systems Identification Based On Resampling Periodic Signal Implemented In Fpga
Jaime Paul Ayala Taco, Paúl Bernal, Susset Guerra Jimenez, Alexander Fernandez Correa

A Proposal for a New Wind Turbine Topology Using an Electromagnetic Frequency Regulator
Paulo Vitor Silva, Ricardo Ferreira Pinheiro, Andrés Ortiz Salazar, Luciano Pereira do Santos Júnior, Christian Cesar de Azevedo
Developing an Optimization Tool for Evaluating the Transmission System Expansion

Tiago Forti da Silva, André Nunes de Souza, Pedro da Costa Junior

Development of an Application for Brazilian Energy Tariff Choice

Felippe Benarroz Magalhães, Fernando Zamboti Fortes, Renato Moreira Vidaurre, Marcio Zamboti Fortes

Inversion 2D in the Measures of the Resistivity of the Ground

Celsa Herminia de Melo Maranhão, Valcir João da Costa Farias, Brígida Ramati Pereira da Rocha

Oil Recovery By Electromagnetic Heating Method In Fractured Oil Wells

Aldayr Dantas de Araújo Júnior, Marcos Allyson Felipe Rodrigues, Antônio Robson Gurgel, Anthony Andrey Ramalho Diniz, Wilson da Mata

Reconfiguration of Radial Electric Power Distribution System via a Scatter Search Algorithm

Diogo Rupolo, José Roberto Sanches Mantovani

Reducing the Spurious Oscillations in the Lumped Parameters Model using Low-Pass Filter

Anderson Ricardo Justo de Araújo, Rodrigo Cléber da Silva, Sérgio Kurokawa

Streamflow Prediction using a Forecast Combining System

Julian David Rojo, Luis Fernando Carvajal, Juan David Velásquez

Temperature Control Based on a Modified Smith Predictor for Injectable Drug Formulations

Ivón Oristela Benitez González, Raül Rivas Perez, Vicente Fellu Baillé, Fernando Castillo García

Using a Multi-Agent System for Monitoring Indicators of Quality of Service in Power Distribution Networks

Joel Sanchez Domínguez, Adailton J. Cerqueira Junior, Diego Frias, Dany Sanchez Domínguez, Susana Marrero Iglesias

A Model-Based Algorithm for Propositional Belief Revision

Fernando Zacarias, Guillermo De Ita

A Recommendation System for Ubiquitous Learning in the Context of Formal and Informal Education

Francisco Milton Mendes Neto, Antonio Farias Azevedo Sales

Analysis Of Subspace Identification Methods Based On The Estimation Of the System Matrices

Raúl Nava Cabrera, Victor Manuel Alvarado Martínez, Manuel Adam Medina

Automatic Brain Morphometry and Volumetry Using SPM on Cognitively Impaired Patients

Vicente Cutanda, David Moratal, Estanislao Arana

Crosschecking Distributed Data to Detect Integer Overflow

Luiz Felipe Zafra Saggioro, Vitor Mendes Paisante, Raphael Ernani Rodrigues, Leonardo Barbosa e Oliveira, Fernando Magno Quintão Pereira

Data Management System for Structural Health Monitoring

Adam Dreyton Ferreira dos Santos, Moisés Felipe Mello da Silva, Claudomiro de Souza de Sales Junior, Marco José de Sousa, Cindy Stella Fernandes, João Crisóstomo Weyl Albuquerque Costa

Data Mining applied to Forensic Speaker Identification

Pedro Univaso, Juan Maria Ale, Jorge A. Gurlekian

Defending Internet of Things against Exploits

Fernando Augusto Teixeira, Gustavo Menezes Vieira, Pablo Marcondes Fonseca, Fernando Magno Quintão Pereira, Hao Chi Wong, José Marcos Silva Nogueira, Leonardo Barbosa Oliveira

Detection and Segmentation of 3D Objects in Urban Environments Using Indexation

Alfonso Ramírez Pedraza, José Joel González Barbosa, Juan B. Hurtado Ramos, Ángel Iván García Moreno, Francisco Javier Ornelas Rodríguez, Erick Alejandro González Barbosa

Extraction Of Representative Frames Of Digital Video Based On Quadtree Partition

Jesus Yalja Montiel Perez, Juan Carlos Torres Patiño, Saul De La O Torres

Improving Use Case Specifications by means of Refactoring

Claudia Marcos, Alejandro Rago, Jorge Andres Diaz Pace

Inducing Decision Trees based on a Cluster Quality Index

Octavio Loyola González, Miguel Ángel Medina Pérez, Milton García Borroto