Analysis of Watermarking Techniques with Wavelet and Cosine Transform for Imperceptibility on Image

Assembly defect detection using rivets in aeronautical structures

B 3 5 A B C D E F G H I M N O P R S T U V Z

Backstepping Controller Design for the Medium and Low Voltage Stages of Smart Transformer

Backstepping Super-Twisting for Robotic Manipulators with Matched and Unmatched Uncertainties

Blind image steganalysis using features extraction and machine learning

Blind MMSE Equalizer for Nonlinear SIMO Systems

Boosting CNN Learning by Ensemble Image Preprocessing Methods for Cervical Cancer Segmentation

Building Structural Health Monitoring: an FBG-based estimation of external vibrations

C 3 5 A B C D E F G H I M N O P R S T U V Z

CAD-MBSE interoperability for the checking of design requirements

Chaos elimination in power system using synergetic control theory

Chaos Embedded Particle Swarm Optimization Technique for Solving Optimal Power Flow Problem

Chaotic Encryption System Based on Pixel Value and Position Transformation for Color Images

CMOS Bio-medical Amplifier based on Tera-Ohm Pseudo-resistor for Bio-detection System

CNN for human exons and introns classification

CNN model applied on SNP protein sequences for intestinal cancer early detection

CNN-NoC: A Dynamic Hardware Architecture Of A CNN Using NoC For Deep Learning

Communication SoC based on 1oo2D architecture for industrial human-robot-collaboration

Comparative Analysis Study of Tunisian and Algerian Grid Codes Relevant to PV Installations

Comparative evaluation of the performance of a capacitive and a non-capacitive microbial fuel cell

Comparative of Swarm Intelligence based Wrappers for sEMG Signals Feature Selection

Comparative study among physical models and artificial intelligence methods for PV power forecasting

Comparative Study of Digital Filters for Smart Glove Functionalized with Nanocomposite Strain Sensor

Comparison of LORETA and CSP for Brain-Computer Interface Applications

Comparison of MPPT methods FLC & PSO for PV system under variable irradiance and temperature

Control of a Stand-Alone Variable Speed Wind Turbine with a Permanent Magnet Synchronous Generator

Control of the Compass-Gait Walker Using an Enhanced Poincaré Map and via LMI-Based Optimization

D 3 5 A B C D E F G H I M N O P R S T U V Z

DC-DC Buck Converter Control Improvement

Deep Batch-normalized eLU AlexNet For Plant Diseases Classification

Deep Learning Algorithm to Predict The Integration Efficiency Of Wind Turbine In Smart Grid

Deep Learning Approach for COVID-19 Detection Based on X-Ray Images

Deep Multi-modal Object Detection for Autonomous Driving

Deep Pre-trained Models for Computer Vision Applications: Traffic sign recognition

Depth Camera and Laser Sensors Plausibility Evaluation for Small Size Obstacle Detection

Design and evaluation of a low energy Bluetooth sensor node for animal monitoring

Design and Implementation of a Safe Medical Box to Maintain Insulin Pens in Good Conditions

Design of a Wireless Sensor Node based on MSP430FR5969 for Environment Monitoring Applications

Design of an IoT-Enabled Microgrid Architecture for a Partial Grid-Connected Mode

Design Of Interval Type 2 Fuzzy Adaptive Sliding Mode Control Via Backstepping

Design optimization of spiral coils for textile applications by genetic algorithm

Diagnosis and Detection of Rotor Bars Faults in Induction Motor Using HT and DWT Techniques

Distributed Alternating Direction Method of Multipliers for Linearly Constrained Optimization

Distributed Control Method for Heterogeneous Multiagent Systems Subjected to Faults

Disturbance Observers for Linear Closed Loop Systems

Drivers Fatigue Detection Using EfficientDet In Advanced Driver Assistance Systems

DRNNA: Decomposable Reverse Nearest Neighbor Algorithm for Distributed Databases

Dry Flexible Electrode Based on MWCNT for LongTerm Health Monitoring

Dynamic Modeling, Simulation and Study of a Sulfur Burning Unit in an Industrial Sulfuric Acid Plant

E 3 5 A B C D E F G H I M N O P R S T U V Z

Effect of Optimal Energy Management Strategy on Parallel Hybrid Electric Vehicle Performances

Electrical Power Flow Improvement by Reducing Fault Current using FACTS Devices

Electrochemical immunosensing of Helicobacter Pylori Bacteria In-Vitro: Review

Elliptic Curve Parameters Optimization For Lightweight Cryptography In Mobile-Ad-Hoc Networks

Emirati-Accented Emotion Verification based on HMM3s, HMM2s, and HMM1s

Energy Management in the Power Chain of Electric Cars with Electromagnetic Switches

Energy management system for a Stand-alone Wind/ Diesel/ BESS/ Fuel-cell Using Dynamic Programming

Enhanced Harmonic Elimination Using Genetic Algorithm Optimization in Multilevel Inverters

Enhanced heart rate estimation based on face features

Enhanced piezoelectric performance of lead free BCZT based flexible nanogenerator

Enhanced RF for Fault Detection and Diagnosis of Uncertain PV systems

Enhanced Ultraviolet sensing performance of Au/TiO2 nanoparticles

Enhancement of Reliability and Precision of Navigation by Odometry

Enhancing security using digital signature in an efficient Network Coding-enabled WSN

Enhancing Users Collaboration By Vocal Annotations

Exploitation of Chemo-Electrical Transduction Properties of Soil in Function of Radiation Doses

Extended range of a MEMS electrostatic actuator using an adjustable linear controller

F 3 5 A B C D E F G H I M N O P R S T U V Z

Faults Classification in Grid-Connected Photovoltaic Systems

Finite-time adaptive trajectory tracking control based on sliding mode for Wheeled Mobile Robot

Flexible Control Strategies with Current Limitation of VSI Under Unbalanced Grid Voltage Sags

FPGA Implementation of a Sensorless RFOC Strategy for the Delta Inverter fed Induction Motor Drive

From PD to Fractional Order PD controller used for gait rehabilitation

Functioning of the Half-Cells Photovoltaic Module in Hybrid EV Under Partial Shading

Further Analysis of the Passive Walking Gaits of the Compass Biped Robot: Bifurcations and Chaos

G   3 5 A B C D E F G H I M N O P R S T U V Z

Glioma segmentation based on CNN

Graphene-based liquid gated field-effect transistor for label-free detection of DNA hybridization

Guaranteed Cost Sliding Mode Control For Discrete Uncertain T-S Fuzzy Systems With Time Delays

H   3 5 A B C D E F G H I M N O P R S T U V Z

Hand Gesture Recognition Based on Force Myography Measurements Using KNN Classifier

Hardware Implementation of Tanh Exponential Activation Function using FPGA

Harmonic Impacts on the Electrical Distribution Network by the Broad Usage of LED Lamps

Highly-Flexible Piezoelectric Nanogenerator based on BZT/PVDF-HFP for Mechanical Energy Harvesting

Hybrid Energy Storage Review for Renewable Energy System Technologies and Applications

Hybrid Learning Method for Image Segmentation

Hysteresis Current Control & MPPT approach Applied to a Grid - Connected Solar PV System

I   3 5 A B C D E F G H I M N O P R S T U V Z

Identification and Control of an Industrial Thickener Using Historical Data

Identification of Communication Cables Based on S-Parameters and K-Nearest Neighbors Algorithm

Identification of Donald Trump's Tweets Using Machine Learning

Impact of Silent Periods on Pseudonym Schemes

Imperceptibility Analysis for Watermarking Technique Based on Image Block Division Scheme

Implementation of a Second Order Sliding Mode Speed Controller for an Induction Motor Using an FPGA

Improved Classic Direct Torque Control Based on Doubly Fed Induction Generator Use Neural Network

Improved Incremental conductance algorithm for MPPT in Photovoltaic System

Improvement of Searching Data in MongoDB with the Usage of Oracle Database

In-Depth Performance Evaluation of Network Slicing Strategies in Large Scale Industry 4.0

Incorporation of a Viscosity-based Model in Nonlinear Finite Element Analysis for SPM

Indoor sign Detection System for Indoor Assistance Navigation

Integration Impact of DRE on the Voltage Stability of Power Network

Intelligent multiple Vehicle Detection and Tracking Using Deep-learning and Machine Learning

Intelligent Robot Powered by Solar Energy

Interactive PV-Shunt Active Power Filter based on Impedance Source Inverter Controlled by SRF-MVF

Inverse Kinematic solution of u-Rob4 an hybrid exoskeleton for stroke rehabilitation

Inverse Kinematics of a Team of 5-DOF Holonomic Mobile Cooperative Rover Manipulators

Inverted Pendulum System Disturbance and Uncertainty Effects Reduction

Investigation of Hybrid Epoxy Composite Electrodes for Electrochemical Applications

IoT Based Remote Laboratory for Solar Energy Experiments: Design and Implementation

IoT for health and usage monitoring systems: Mitigating consequences in Manufacturing under CBM

Marine Current Energy Conversion System driven DFIG connected to DC-bus

Maximizing the Domain of attraction of nonlinear systems: A PSO optimization approach

Maximum Power Point Tracking Controller for Pumping Photovoltaic System Based on Induction Motor

Mechatronics in a New Context: a Structuring Conceptual Framework Proposal for MBSE

Medical Imaging-based Techniques for Alzheimer's Disease Detection: A Survey

Mesh Network-Based Device-to-Device Negotiation System for Energy Management

Methodology for the design of parallel robots using performance atlases

MIC: Multi-view Image Classifier using Generative Adversarial Networks for Missing Data Imputation

MicroRNA expression classification for human disease prediction

MISO fractional systems identification with fractional models in the EIV context

Model Predictive Control of grid-connected Hybrid Renewable Energy System

Modeling and Analysis of the Dynamic Walking of a Biped Robot with Knees

Modeling of a Metamaterial Biosensor Based on Split Ring Resonators for Cancer Cells Detection

Modeling of a wind farm associated with back-to-back two-level converters

Modelling and Simulation of PV Pump Using MPPT Controller

Modified Fast Terminal Super-Twisting Control for Uncertain Robot Manipulators

Moving object detection system based on the modified temporal difference and OTSU algorithm

MPP Tracking based on classical P&O control and FLC-Hill Climbing technique for a PV Generator

MPPT techniques of the solar PV under partial shading

MR Brain Image Segmentation Optimized by Using Ant Colony Algorithm

Multi-band Analysis for Enhancing Multiple Combined Fault Diagnosis

Neighbor-Assisted Localization for Massive MIMO 5G Systems

New Adaptive Sliding Mode for Unperturbed Forearm and Wrist Rehabilitation Robot

New Method for Detection of Ventricular Suction in an implantable Pump Using Recursive DFT Algorithm

Noise and temperature compensation for Graphene-ISFET micro-sensor

Non-Fourier heat conduction effect in nanoscale FinFET and GAAFET Transistor

Non-Invasive Microwave CSRR-Based Sensor for Diabetic Foot Ulcers Detection

Numerical validation of experimental results for the dynamic behavior of sandwich structures

On Modeling Greenhouse Air-Temperature: an Experimental validation

On the accuracy of iBeacon-based Indoor Positioning System in the iOS platform

On the Early Detection of COVID19 using Advanced Machine Learning Techniques: A Review

Optical and electrical analysis for high power conversion efficiency hybrid perovskite solar cells

Outcomes-Based Teaching of Electrical Engineering Courses at Qassim University during the Pandemic

Output voltage control of synchronous generator using Nelder -Mead algorithm based PI controller

P   3 5 A B C D E F G H I M N O P R S T U V Z

P/Q Control of Grid-Connected Inverters

Performance Analysis of Low Noise Amplifier Based on BJT for Power Aware Wake-Up Receiver Nodes

Performance trade-offs of hybrid cryptosystem for medical images encryption - decryption

PGTLP: A Dataset for Tunisian License Plate Detection and Recognition

Photovoltaic investigation of CPDT based small molecule for BHJ OSC devices

Pitfalls of spikes filtering for detecting High Frequency Oscillations (HFOs)

PPDC Design-Based $H\infty$ Non-Fragile Controller for a Class of Bilinear Systems

Prediction of Financial Statement Fraud using Machine Learning Techniques in UAE

Principal Component Analysis for Fault detection and isolation in a DC-DC buck converter

PYNQ FPGA Hardware implementation of LeNet-5-Based Traffic Sign Recognition Application

R   3 5 A B C D E F G H I M N O P R S T U V Z

Random forest-based nonlinear improved feature extraction and selection for fault classification

Rate-Distortion Performance Comparison: VVC vs. HEVC

Real-time intelligent monitoring system based on IoT

Reduced GPR based RF Approach for Fault Diagnosis of Wind Energy Conversion Systems

Reducing effect of neighboring HV overhead lines on interference at single-pole automatic reclosing

Regulated Step-Up Power Supplies: Design and Simulation

Relevant Biophysical Parameters Along Corticospinal Tract in Patients with Stroke

Review on Solid State Transformer Based on Microgrids Architectures

RISE Based Computed Torque Control for trajectory tracking of parallel robot

Robust Active Fault Tolerant Control for Five-Phase PMSM against Speed Sensor Failures

Robust Polynomial Observers For Positive Polynomial Fuzzy Systems

Robust tracking MPC for uncertain system stabilisation using polyhedral sets

Robustness of Smart Transformer Based-on Sliding Mode Controller under Grid Perturbations

S   3 5 A B C D E F G H I M N O P R S T U V Z

Safe-System-on-Chip for Functional Safety

Sag Monitoring of Overhead Power Lines based on Image Processing

SAR Speckle Filtering Using Hybrid NonLocal Sigma Filter

Schizophrenia Diagnosis from fMRI data Based on Deep Curvelet Transform

Sensor Data Augmentation Strategy for Load Forecasting in Smart Grid Context

Sensorless Control of PMSM using Fractional Order SMC and Extended Kalman Observer

Sensorless Control of PMSM using SMC and Sensor Fault Detection Observer

Sensors faults diagnosis of a wind system

Simulation of Wireless Sensor Nodes based on Wake-Up Receivers

Six Sensors Bracelet for Force Myography based American Sign Language Recognition

Sliding Mode Control of an Inductive Power Transmission System with Maximum Efficiency

Slim MobileNet: An Enhanced Deep Convolutional Neural Network

SoC approach for low cost and low power consumption based on ARM Cortex M3 according to ISO 26262

Solar Irradiance measuring using PV module and PIC microcontroller based Electronic assembly

Speaker Identification for Disguised Voices Based on Modified SVM Classifier

Speech encryption based on synchronisation of chaotic Takagi-Sugeno systems using PI observer

Stability study and robustness analysis of an exoskeleton- upper limb system

Study of spectral response of Transformer Oil under Low Electrical Discharge and Thermal Stress

Study of the sensitivity of an inSAR interferogram encrypted by the AES-128 algorithm

Survey on Clustering in VANET Networks

T   3 5 A B C D E F G H I M N O P R S T U V Z

The Challenges in a Case of Protecting a Series Compensated Transmission Line

The impact of electrodes on reducing the effect of anisotropy in biological tissues

Three-Level NPC shunt active filter powered by a hybrid fuel-cell/battery dc bus voltage

Tonic-Myoclonic Epileptic Seizure Classification based on Surface Electromyography

Torque Ripple Minimization Approach of a 3-phase Switched Reluctance Motor

Tracking of trajectory and fault estimation of MIABOT robot using an artificial neural network

Traction Mode of an Electric Vehicle based on a Delta Inverter feeding a Split Stator Windings PMSM

Trajectory Tracking of a 2-DOF Helicopter System Using Canonical Normal Form

Trapping/detrapping induced negative differential resistance in Cu/Ni:ZnO/InGa Schottky diode

Tuning the Performance of Flexible Lead-Free Zn-BCZT/PVDF-HFP Piezoelectric Nanogenerator

U   3 5 A B C D E F G H I M N O P R S T U V Z

Uncertain Dynamic Process Monitoring Using Moving Window Interval PCA

Upcycling Emperor Fish Scales For Biocompatible Piezoelectric Energy Harvesting

Urban district modelling simulation-based analysis: under which scenarios can we achieve a PED?

Using Multiple Adaptive Neuro-Fuzzy Inference System to Solve Inverse Kinematics of Scara Robot

V   3 5 A B C D E F G H I M N O P R S T U V Z

V2V Clusters Life Time Enhancement based on Multiparallel Processing Algorithm

Vehicle Detection System for Smart Crosswalks Using Sensors and Machine Learning Techniques

Z   3 5 A B C D E F G H I M N O P R S T U V Z

Z-Pooling