SELECTED PAPERS FROM GPECOM 2022 PROCEEDINGS

1- IEEE Transactions on Industrial Electronics

ID 43: State-of-Charge Balancing Control in Grid-Connected Single-Phase Cascaded H-Bridge Multilevel Converter Based Battery Storage Systems

ID 74: Real Time Implementation of the PMSM Sensorless Control Based on FOC Strategy

ID 79: Effect of the Stator Slot Indents on Fluid Damping Loss in Submersible Pump Applications

ID 112: Rotor Angle Stability Analysis by Using Lyapunov's Direct Method of a SMIB Power System

ID 134: The Impact of the EV Aggregator on the Stability Regions of the Time-Delayed LFC-EV with FOPI Controller

ID 139: Implementation of a PCM control scheme in a multiport Boost converter for BMS applications

ID 177: The Voltage Regulation Role of Smart Inverters in Rural Distribution Systems: Testing Framework

ID 179: PMU-based state estimator for power systems including VSC-HVDC links

ID 187: An Improvement on Modified Voltage Lift Switching Inductor Structures Used in X-Y Converters to Eliminate Impulsive Turn-on Currents

ID 199: A Game Theory Based Optimal Planning for a Hybrid Energy System Considering Time of Use Tariffs

2- IEEE Transactions on Industry Applications

ID 19: Contributions to Discrete-Time Sliding Mode Observers for Permanent Magnet Synchronous Motor Drive Systems

ID 20: Comprehensive Design Approach for Field-Oriented Control of Interior Permanent Magnet Synchronous Machines

ID 30: Electrification of a Local Public Transportation System: a Case Study

ID 86: Investigation of The Effect of The Temperature And Magnetization Pattern On Flux Density, Instantaneous Torque, Unbalanced Magnetic Forces Of A Surface Inset PMM

ID 94: A Protection and Operating Scheme Integrated into a Grid-Edge Microgrid

ID 115: MRAS Based Model Predictive Torque Control of Induction Motor Drive for Electric Vehicles

ID 148: Frequency Stability Enhancement of Hybrid Multi-area Power Grid Considering High Renewable Energy Penetration Using TID Controller

ID 174: Optimal Battery Sizing & Dispatch Model for Transformer Loss Reduction: A New Local Service

ID 205: Resonance Tuning in Wireless Energy Transfer System

ID 213: A New Bus Reduction Approach based on Extended REI Model

3- IEEE Transactions on Smart Grid

ID 5: Masked Symmetric Key Encrypted Verification Codes for Secure Authentication in Smart Grid Networks

ID 27: Impact of Virtual Inertia on Stability Delay Margins of Micro grids with Communication Time Delay

ID 41: Artificial Neural Network based Cost Estimation of Power Losses in Electricity Distribution System

ID 70: Non-Pilot Protection of the Inverter-Dominated Microgrid using Artificial Neural Networks

ID 171: Power System Inertia Estimation Using A Residual Neural Network Based Approach

ID 216: Configuration of the Actor and Critic Network of Deep Reinforcement Learning controller for Multi-Energy Storage System

ID 217: Deep Learning Aided Channel Estimation Approach for 5G Communication Systems

4- Energies (Special Issue "Selected Papers from the 4th of Global Power, Energy and Communication Conference (GPECOM2022)")

ID 11: Algorithm for Generating the Equivalent Power System According to PMU

ID 23: Novel re-configurable topologies of SLC based high gain DC-DC converters

ID 32: Energy Management between Zones of Smart Multi-Microgrid System with Renewable Generation to Increase Grid Resilience

ID 34: Smart Energy Management System : Blockchain Based Smart Meters in Microgrids

ID 38: Vulnerability Assessment framework for a Smart Grid

ID 64: Demand response planning for day-ahead energy management of CHP-equipped consumers

ID 71: Car to Car hybrid Radio Frequency and Visible Light Communication Through Multi-hop Relaying

ID 73: Improved Performance for the DC-AC Converters Control System Based on PCH Controller and Reinforcement Learning Agent

ID 91: Effects of Transmission Operations on Distribution Networks With DER Penetration: A Case Study

ID 103: Energy Management System for electrical grids based on Matlab

ID 108: Assessment of different small-value current sensor devices for current control applications

ID 118: Comparison between control methods for a multi-input converter

ID 127: Optimization of Cogging Torque of Hybrid Excitation Motor Based on Genetic Algorithm and TOPSIS Method

ID 130: A Study on the Effect of Phase Shifter Quantization Error on the Spectral Efficiency Using Neural Network

ID 152: Evaluation of Static Network Equivalent Models for N-1 Line Contingency Analysis

ID 157: Design of Hybrid Energy System of CRH2 Train Passing Through Neutral Section

ID 175: Concept of a Scalable Communication System for Industrial Wireless Power Transfer Modules

ID 185: Cloud-based Optimal Energy Scheduling of Photovoltaics and Electric Vehicle-integrated Community Microgrids

ID 188: An Estimation Algorithm for Distributed Hierarchical Control Used in Microgrids

ID 190: Development of a Vehicle-to-Grid (V2G) Energy Management System to Mitigate Local Operational Challenges in Low Voltage Distribution Networks with Photovoltaics

ID 192: Energy Management in an Agile Workspace using AI-driven Forecasting and Anomaly Detection

ID 203: Capacitor voltage control of PV based quasi-z-source inverter

ID 212: Electric drive control systems with neural network technologies

5- NEVU Journal of Engineering and Architecture

ID 4: Artificial Intelligence (AI)-based identification of appliances in households through NILM

ID 10: The System of Automatic Adaptive Change of Relay Protection Operation Parameters in Distribution Networks

ID 67: Dual Wideband Millimeter-Wave Stacked Cylindrical-Rectangular DRAs for 5G Applications

ID 92: Effective Grounding Criteria for High Penetration Inverter Based Resources in Distribution Networks

ID 111: Comparative Analysis of Improved Grid Forming Control Design Methods for Islanded Grid with Static and Rotating Energy Sources

ID 136: Design and Simulation of an Inductor based Active Cell Balancing Circuit for Lithium-ion Batteries

ID 151: Different Optimization Techniques For Solving the Coordination problem of DOCRs

ID 193: MPPT Comparison of Standalone Photovoltaic System using Multi-level Boost Converter