Basic Information :

Name :	Naser Mohammed Bayoumy AbdelRahim
Title :	professor

Education:

Certificate	Major	University	Year
PhD	.	Memorial University of Newfoundland,St.John's Newfoundland,Canada	1995

Teaching Experience:

Name Of Organization	Position	From Date	To Date
FUE	Teaching Staff Member	11/09/2017	Current

Researches / Publications :

Standalone PV-based single-phase split-source inverter using model-predictive control
Model - predictive control based on Harris Hawks optimization for split - source inverter
Simplified Steady State Analysis of Stand-Alone Doubly Fed Induction Generator
Voltage Sag/Swell Detection Based on Decoupled Stationary Reference Frame PLL in DVR
Enhanced DVR Control System Based on the Harris Hawks Optimization Algorithm
DVR Control System for Voltage SagSwell Compensation for Sensitive Loads Protection
Photovoltaic-Based Interconnected-Modified DC-Nanogrids within an Open Energy Distribution System
Two-Step Finite-Control Set Model Predictive Control for Three Phase UPS Inverters Feeding Non-linear Loads
Analysis, Design, and Control of a Non-isolated Boost Three-Port Converter for PV Applications
DC-Based Interconnected-Modified Nanogrids within an Open Energy Distributed System (OEDS)
PV Based Dynamic Voltage Restorer for Power Quality Enhancement in Distribution System
PV-Based Dynamic Voltage Restorer for Power Quality Enhancement in Distribution Systems
DC-Based Interconnected-Modified Nanogrids Within an Open Energy Distributed System (OEDS)
A Novel Approach of a Single Input Multi Output Switched Boost Inverter
New Topology of Multiple-input Single- output PV System for DC Load Applications
Finite-Control Set Model-Predictive Control for Single-Phase Voltage-Source UPS Inverters
Finite-Control Set Model-Predictive Control for Single-Phase Voltage-Source UPS Inverters
Voltage and Frequency Control of Stand-Alone Doubly-Fed Induction Generator used in WECS
Voltage and Frequency Control of Stand-Alone Doubly-Fed Induction Generator used in WECS
Improving the efficiency of a Doubly-Fed Induction Generator in variable speed wind turbines under different modes of operation considering core loss
Improving The Efficiency of a Doubly-Fed Induction Generator in Variable Speed Wind Turbines Under Different Modes of Operation Considering Core Loss

Interleaved DC-DC Boost Converter for PV System Applications
DC-bus Voltage Regulation of a Wind Energy Conversion System via an Adaptive Critic Design
Closed-Loop Control of Single Phase Selective Harmonic Elimination PWM Inverter Using Proportional-Resonant Controller
Control methods of the switched reluctance motor in electric vehicle during acceleration
Fuzzy-Logic Control of Unsymmetrical Two-Phase Induction Motor
Torsional Vibration Control of Large Induction Motors Using Constant Air Gap Flux Scheme
Performance Characteristics of the Switched Reluctance Motor in Electric Vehicle during Acceleration at Variable Turn on and Turn off Angle
Intelligent Energy Management Strategy for Decentralized Battery Storage in Grid Connected Wind Energy Conversion Systems
Comparing Proportional-Resonant and Fuzzy-Logic Controllers for Current Controlled Single-Phase Grid-Connected PWM DC/AC Inverters
Improvement of Energy-Capturing Efficiency in Standalone Photovoltaic Systems with Battery Storage
Performance of Stand-alone Hybrid wind-Photovoltaic System with Battery Storage
Adjustable-Speed Unsymmetrical Two-Phase Induction Motor Drive for Photovoltaic Powered Air Conditioners
Simple Controller for Boost Converter for Fuel Cell Applications
Stand-Alone Wind System with Battery Storage Using Induction Generator and Direct Torque Control
An Unsymmetrical Two-Phase Induction Motor Drive With Slip-Frequency Control
Slip Frequency Controlled Inverter-Fed Single-Phase Induction Motors
Analysis and Design of Photovoltaic Powered Air Conditioners Using Slip-Frequency Control Scheme
High Dynamic Performance Single-Phase Induction Motor Drive System
Cost-Effective Control Scheme for Reduction of Torsional Torque Oscillations in Starting Large Induction Motors
Slip-Frequency Control of Single-Phase Induction Motor Operated as Two-Phase Motor
Operation of Single-Phase Motor as Two-Phase Motor
Hierarchical Fuzzy-Logic Control for A Single-Phase Voltage-Source UPS Inverter
Analysis of Inverter-Fed Single-Phase Induction Motor with Selective Harmonic Elimination Technique
Analysis and Control of Photovoltaic Powered Air Conditioner
Air Condition Powered by Solar Energy
Direct Current Control Scheme for Single-Phase Voltage-Source Utility Interactive Systems with Third order Filter
Performance Analysis and Optimal Design of Enhanced Multiple Feedback loop Control Scheme for UPS
Small-Signal Model and Analysis of A Multiple Feedback Control Scheme for Three-Phase Voltage-Source UPS Inverters
Switch-Mode Inverter Topologies and Control Schemes for Wind/Utility Interface Applications
Review of uninterruptible Power Supply Systems
Three-Phase Voltage-Source UPS Inverters with Voltage-Controlled Current-Regulated Feedback Control Scheme
Multiple Feedback Loop Control Strategy for Single-Phase Voltage-Source UPS Inverters
A Single-Phase Voltage-Source Utility Interface System for Weak AC Network Applications
Modeling and Analysis of a Feedback Control Strategy for Three-Phase Voltage-Source Utility Interface Systems
An Indirect Current Control Scheme for Single-Phase Voltage-Source Utility Interface Inverter
Delta Modulation Technique for Utility Interface Systems
Delta Modulation Technique for UPS Applications

Thesis :
Model Predictive Control for UPS Inverters
New topology of coupling method applied on PV systems
Voltage and Frequency Control of Stand-Alone Doubly-Fed Induction Generator used in WECS
Modeling and Simulation of Selective Harmonic Elimination Pulse Width Modulated Inverter Feeding Static and Dynamic Loads
Maximum Output Power and Minimization of Total Losses in a Wind Driven Doubly Fed Induction Generator
Modeling, Simulation and Control of Switched Reluctance Motor in Electric Vehicle
Fuel-Cell Based Power Supplies
Stand-Alone Hybrid Wind-Photovoltaic System With Motor Loads