Basic Information :

Name :	Walid Atef Hafez ElMetwally Omran
Title :	Associate Professor

Walid Atef Omran
Date of Birth: 12/06/1974

Education :

Certificate	Major	University	Year
PhD	Electrical & Computer Engineering	University of Waterloo- Faculty Of Engineering	2010
Masters	Department of Electrical Engineering	Faculty of Engineering - Ain Shams University	2005
Bachelor	Department of Electrical Engineering	Faculty of Engineering - Ain Shams University	1998

Research :

A probabilistic multi-objective approach for FACTS devices allocation with different levels of wind penetration under uncertainties and load correlation

Wind Power Ramps Analysis for High Shares of Variable Renewable Generation in Power Systems

Analyzing Wind Power Ramps for High Penetration of Variable Renewable Generation

Optimal Battery Sizing in Wind System Using Firefly and Harmony Search Techniques

Technical Investigation for Power System Flexibility

Overview of Power System Flexibility Options with Increasing Variable Renewable Generations

A Decentralized Technique for Autonomous Service Restoration in Active Radial Distribution Networks

Hybrid mean variance mapping optimization for dynamic economic dispatch with valve point effects

 Optimal Battery Sizing in Wind System Using Firefly and Harmony Search Techniques

Optimal Reconfiguration and DG Allocation in Active Distribution Networks Using a Probabilistic Approach

Mean Variance Mapping Optimization for Solving the Economic Load Dispatch Problem

Power management strategy to enhance the operation of active distribution networks

A probabilistic approach for the optimal placement of PMUs with limited number of channels

"A Decentralized Coordination Strategy for Voltage Regulation of Active Distribution Networks

Power Management in Islanded Microgrids Using Multi-Agent Systems

A Decentralized Technique for Autonomous Service Restoration in Active Radial Distribution Networks

Voltage Stability Investigation of the Egyptian Grid with High Penetration Level of Wind Energy During Steady State and Transien

Sizing and control of large PV system inverters connected to MV grid

Reliability Assessment of Grid Connected Photovoltaic Generation Systems

Power System Observability of Phasor Measurement Units: A Binary Integer Programming Approach

Multi-Agent Based Control Scheme for Electrical Distribution System Restoration

Enhancing the Power System Observability with the Aid of Phasor Measurement Units

http://www.fue.edu.eg

Investigation of methods for reduction of power fluctuations generated from large grid-connected photovoltaic systems

A clustering-based method for quantifying the effects of large on-grid PV systems

Identification and measurement of harmonic pollution for radial and nonradial systems

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