

### **Basic Information :**

**Name :** Hossam Eldin Abdallah Talaat

**Title :** Professor



Hossam Eldin Abdallah Talaat

Former Head of the Department Of Electrical Power Engineering & Machines  
Ain Shams University

### **Education :**

Certificate	Major	University	Year
PhD	Electrical Power Engineering	University Of Grenoble, France - faculty of Engineering	1986
Masters	Electrical Power Engineering & Machines	Faculty of Engineering - Ain Shams University	1980
Bachelor	Department of Electrical Engineering	Faculty of Engineering - Ain Shams University	1975

### **Teaching Experience :**

Name Of Organization	Position	From Date	To Date
Faculty of Engineering& Technology	Director of Quality Assurance Unit	01/01/2016	01/01/2017
Electrical Engineering Dept., FUE	Professor	01/01/2015	01/01/2017
Ain Shams University	Head of Electrical Power Eng. Dept.	01/01/2013	01/01/2014
Ain Shams University	Professor	01/01/2000	01/01/2017

### **Research :**

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

Generalized optimal placement of PMUs considering power system observability, communication infrastructure, and quality of service requirements

Population based optimization algorithms improvement using the predictive particles

Population based optimization algorithms improvement using the predictive particles

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

Steady-state Security Assessment Based on K-Means Clustering Algorithm and Phasor Measurement Units

Optimal Power Flow of Power Systems Using Hybrid Firefly and Particle Swarm Optimization Technique

Analyzing Wind Power Ramps for High Penetration of Variable Renewable Generation

Active Voltage Control in Distribution Networks including Distributed Generations using Hardware-In-The-Loop Technique

Technical Investigation for Power System Flexibility

Overview of Power System Flexibility Options with Increasing Variable Renewable Generations

Optimal placement of phasor measurement units considering islanding contingency, communication infrastructure, and quality of service

Optimal Power Flow of Power Systems Including Distributed Generation Units Using Sunflower Optimization Algorithm

Incorporating Switched Modulated Power Filter Compensator to Enhance Microgrid Stability Under Fault Provoked Islanding Conditions

Performance assessment of bacterial foraging based power system stabilizer in multi-machine power system

Conceptual Analysis of Different Clustering Techniques for Static Security Investigation

Modified Particle Swarm Optimization Based on Lead-Lag Power System Stabilizer for Improve Stability in Multi-Machine Power System

A Power System Adaptive Scheme Depending on a Data Mining Model

Generated Power-Based Composite Security Index for Evaluation of Cascading Outages

The Impact of Inverter Overloading Capability on the FRT Performance of Inverter-Based DG Units

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

An Adaptive Hybrid Approach for Protection of Transmission Line Compensated with UPFC

Dynamic Performance of Microgrid after Fault Provoked-Islanding Considering Induction Motor Loads

Synchrophasor measurements-based on-line power system steady-state security indices—part I: Methodology

Adaptive protection coordination scheme for distribution network with distributed generation using ABC

Performance Investigation of Microgrid Stability Subsequent to Fault Provoked-Islanding with Different Loads and DG Conditions

Comparative Analysis of DFIG and SCIG Based Grid Connected Wind Turbine under Different Modes of Operation

Modified Particle Swarm Optimization Based Proportional-Derivative Power System Stabilizer

Modified Particle Swarm Optimization Based Proportional-Derivative Power System Stabilizer

Fault Detection and Classification Based on DWT and Modern Approaches for T.L Compensated with FACTS

Allocation and Sizing of Distributed Generation Units for Minimizing Distribution Network Losses Using Genetic Algorithms

Design and Experimental Investigation of a Decentralized GA-Optimized Neuro-Fuzzy Power System Stabilizer

Fault diagnosis system for tapped power transmission lines

A GA-Optimized Neuro-Fuzzy Power System Stabilizer for Multi-Machine System

An ANN Based Fault Diagnosis System for Tapped HV/EHV Power Transmission Lines

Adaptive Coordination of Overcurrent Relays

Effects Of Electrical Supply Voltage Dips In Process Industry Applications

Effects Of Electrical Supply Voltage Dips In Process Industry Applications

#### **Conference :**

A Power System Adaptive Protection Scheme Depending on a Data Mining Model

Generated Power-Based Composite Security Index for Evaluation of Cascading Outages

The Impact of Inverter Overloading Capability on the FRT Performance of Inverter-Based DG Units

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

Dynamic Performance of Microgrid after Fault Provoked-Islanding Considering Induction Motor Loads

Synchrophasor measurements-based on-line power system steady-state security indices—part I: Methodology

Performance Investigation of Microgrid Stability Subsequent to Fault Provoked-Islanding with Different Loads and DG Conditions

Adaptive Under frequency Load Shedding for an Islanded Microgrid

Comparative Analysis of DFIG and SCIG Based Grid Connected Wind Turbine under Different Modes of Operation

Distance Protection of AC Feeding System for Electrified Railways

Modern Approaches for Protection of Transmission Line Compensated With UPFC

Smart Current Differential Protection for Transmission Lines

Protective Devices Optimal Placement in Distribution Networks with DGs: Risk-Based Analysis and Solution

Risk Based Protective Devices Optimal Placement in Distribution Networks with DGs: A Cuckoo Search-Based Approach

Coordination Of Directional Overcurrent Relays Using Artificial Bee Colony

Intelligent maximum power tracking and inverter hysteresis current control of grid-connected PV systems

Adaptive Reclosing Strategy Based on Estimation of Distributed Generation Penetration Level

A Simulated Annealing Approach For Distance Relaying Under Arcing Fault Conditions

Optimal Allocation and Sizing of Distributed Generation in Distribution Networks Using Genetic Algorithms

**Awards :**

Award	Donor	Date
the Golden prize (first class) as a distinguished evaluator	King Abdulaziz City for Science and Technology "KACST"	01/01/2004