

Basic Information :

Name :	Hossam Eldin Abdallah Talaat
Title :	Professor

Hossam Eldin Abdallah Talaat

Former Head of the Departmnet 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			
FUE	Professor	15/02/2015	Current			
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			

Researches / Publications :

A chaos game optimization algorithm-based optimal control strategy for performance enhancement of offshore wind farms

Various Control Techniques for Converter-Based DC Power Transmission in Offshore Wind Systems: A Comprehensive Review

A Novel Dynamic Li-Ion Battery Model for the Aggregated Charging of EVs

A novel approach for power ramps classification in wind generation

Characterization of Short-Term Wind Power Variations and Estimation of Reserve Requirements for High Wind Generation Shares

Optimization of Power System Stabilizers Using Proportional-Integral-Derivative Controller-Based Antlion Algorithm: Experimental Validation via Electronics Environment

Modern Active Voltage Control in Distribution Networks, including Distributed Generation, Using the Hardware-in-the-Loop Technique

A Probabilistic Methodology for Estimating Reserve Requirement and Optimizing Its Components in Systems With High Wind Penetration

Hierarchical Clustering-Based Framework for Interconnected Power System Contingency Analysis

Optimal Power Flow of Power Networks with Penetration of Renewable Energy Sources By Harris hawks Optimization Method

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

http://www.fue.edu.eg





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 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 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 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 networkwith distributed generation using ABC Performance Investigation of Microgrid Stability Subsequent to Fault Provoked-Islanding with Different Loads and DG Conditions 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 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 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
Fault Detection and Classification Based on DWT and Modern Approaches for T.L Compensated with FACTS
Intelligent maximum power tracking and inverter hysteresis current control of grid-connected PV systems
Allocation and Sizing of Distributed Generation Units for Minimizing Distribution Network Losses Using Genetic Algorithms
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
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
Chapter :

Awards:						
Award	Donor	Date				
the Golden prize (first class) as a distiguished evaluator	King Abdulaziz City for Science and Technology % ACST+	01/01/2004				