



### **Basic Information :**

**Name :** Salah El Din Abdelhamid Emam Attea

**Title :** Associate Professor

### **EDUCATION:**

1968 -1973 Ain Shams University, Faculty of Engineering, Cairo, EGYPT.

Bachelor of Science, Power Section,  
Electrical Engineering Dept. Graduate project: "Design  
of a High Voltage Transmission Line" with Grade of Distinction.

1975-1978 Ain Shams University, Faculty of Engineering, Cairo, EGYPT Master of Science Degree in  
Electrical Engineering with a Title of "Asynchronous Operation of Dual Excited Synchronous Machine (Wind  
energy application)"

Courses Included: Power system Analysis, Optimal control, Modeling of Power system elements,  
English language

1980-1985 Ain Shams University, Faculty of Engineering, Cairo,  
EGYPT Doctorate of Philosophy in Electrical Engineering  
Research: Identification of Synchronous Machines Models  
Using Power Spectral Analysis

### **Education :**

Certificate	Major	University	Year
PhD	.	.	1985

### **Teaching Experience :**

Name Of Organization	Position	From Date	To Date
Ain Shams University	Assistant Professor , Faculty of Engineering- Electrical Engineering Department	01/01/1994	01/01/2014
College of Technology. Saudi Arabia	Assistant Professor & Head of Electrical Technology Dep	01/01/1989	01/01/1994

### **Research :**

"Dual –Excited Synchronous Generator Performance During Asynchronous Operating Mode"

"Characteristics and Application of PRBS Signal for Identification"

"Synchronous Machine Models For the Purpose of Identification"

"Identification of Dual Excited Asynchronous Generator Operational Impedances Using Power Spectral Analysis Technique"

"A new Algorithm For Optimal Parameter Estimation of A Synchronous Machine From Frequency Tests Based on LAV  
Approximations"

"Application of Optimization to the Size and Control Settings of Shunt Capacitors on Distribution Feeders"

"Optimization of Control and Size of Shunt Capacitors on Distribution Feeders"

"New Approach for the Identification of Power System Economic Dispatch Parameters"

"Optimization of the Optimal Coefficients of Non- monotonically Increasing Incremental Cost Curves"

"Identification of Synchronous Machine Models Using Power Spectral Analysis"

"Identification of Laboratory-Computerized Drive Systems Using Power Spectral Analysis Technique"

"A new Approach For Determination Of Power System Low Frequency Oscillations Using Power Spectral Analysis"

"Parameters Estimation of Power Transformer Models Using Power Spectral Analysis"

Transmission Lines Fault Locations Using Recently Developed Techniques

Programmable Logic Controllers & Their Application

" Identification of Fault Location For a Power System Using Least Square Value (LSV) and the Least Absolute Value (LAV) Techniques "

"Automatic Digital Synchronization"

" Transient Overvoltages in Motors Starting by Autotransformers"

Identification of Type and Location of Fault in a HVDC Electrical Power System Using AI and PLC

Transients Over Voltages during Starting of I.M using Autotransformers

### **Conference :**

The Fourth International Congress For Statistics , Computer Science and Social Research 25 – 29 March 1979

The 20 th Annual Conference in Statistics , Computer Science and Information and Operation Research , Volume (4) Dec. 1985

International Conference on Electrical Machines ICEM 86 MUNCHEN , GERMANY , 8 – 9 – 10 September 1986

Thirteen International Congress For Statistics , Computer Science , Social and Demographic Research CAIRO , EGYPT 26 – 31 March 1988

International Conference on Control 91 , 25 – 28 March 1991

Eighteen International Conference for Statistics , Computer Science Scientific & Social Applications CAIRO , EGYPT 17 – 22 April ,1993

14th International Conference And Exhibition on Electricity distribution Catalonia palace of congresses (CIRED) CAIRO 12 -15 May 1997

Seventh International Middle-East Power Systems Conference Mepcon 2000 March 28 – 30 , 2000"

International Middle-East Power Systems Conference Mepcon 2004, 5-june, 2004 Algeria.

International Conference on Electrical, Electronic and Computer Engineering ( ICEEC'04)- Faculty of Engineering, Ain Shams University, Cairo, Egypt September 5-7 , 2004.