

KARAM MOHAMED ABDEL- LATIF MOHAMED

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**CAREER
OBJECTIVE**

Looking for the opportunities to learn more and more, gain Experience, and improve my knowledge.

Fields of interest:

Design of Electric Services for projects, Electrical Power System Protection and Control, Automation application, and Electrical power system installations

**PERSONAL
INFORMATION**

First Name: Karam

Last Name: Mohamed

Marital Status: Married

Nationality: Egyptian

Birth date: 10-06-1971 (mm-dd-yyyy)

Place of Birth: Cairo, Egypt

Driving License: Available and Valid

**EDUCATIONAL
QUALIFICATIONS****Undergraduate Studies:**

- **Bachelor of Power Engineering and Electrical Machines**
1990 – 1995 Helwan University, Faculty of Engineering
Helwan, Cairo, Egypt
Power Engineering and Electrical Machines
Department

General appreciation: Distinction with honor
The Second on the Group.

Graduation Project: Automatic Control System for Fire Alarm
Detection using PLC.

Project Degree: Excellent.

Postgraduate studies:

- **Master of Science in Power Engineering and Electrical Machines (Power System Protection)**
1996 – 2001 Helwan University, Faculty of Engineering
Helwan, Cairo, Egypt
Electrical Power and Electrical Machines
Engineering Department.

<p style="text-align: center;">EDUCATIONAL QUALIFICATIONS</p>	<p><u>Thesis:</u> “ ATRIFICIAL CRIATION OF ZERO CURRENT VALUES IN AC TYPES CIRCUIT BREAKERS “</p> <ul style="list-style-type: none"> • Doctor of Philosophy in Electrical Power and Machines Engineering <p>2002 – 2006 Helwan University, Faculty of Engineering Helwan, Cairo, Egypt Electrical Power and Electrical Machines Engineering Department</p> <p>2007 – 2008 University of Calgary, Calgary, Alberta, Canada Schulich School of Engineering Electrical Engineering Department</p> <p><u>Thesis:</u> “APPLICATION OF COMMUNICATION SYSTEMS FOR PROTECTIVE RELAYS IN ELECTRICAL POWER NETWORKS”</p>
<p style="text-align: center;">EDUCATIONAL WORK EXPERIENCE</p>	<p><u>From 25-11-1995 to 7-1-2002</u> FACULTY OF ENGINEERING – HELWAN UNIVERSITY Cairo – Egypt DEMONSTRATOR</p> <p><u>From 8-1-2002</u> FACULTY OF ENGINEERING – HELWAN UNIVERSITY Cairo – Egypt ASSISTANT LECTURER</p> <p><u>From 31-1-2009</u> FACULTY OF ENGINEERING – HELWAN UNIVERSITY Cairo – Egypt LECTURER</p> <p><u>Job Description :</u></p> <ul style="list-style-type: none"> • Teaching. • Supervision on workshop training programs. • Teaching experience include the following courses: <ul style="list-style-type: none"> ○ Electric Circuits. ○ Power System Analysis I , II and III ○ Electrical Machines ○ Power System Protection ○ Digital Power System Protection. ○ Power System Protection Lab. ○ Electrical Machines Lab. ○ High Voltage Lab.
	<p><u>Paper (1):</u></p>

PUBLICATIONS

Laboratory investigation of the commutation circuit parameters effects on the operation of ac circuit breaker

Conference:

**Eighth International Middle East Power System Conference
MEPCON'2001**

Location:

Helwan University, Egypt

Duration period:

December 29-31, 2001.

Paper (2):

A New Protection Scheme for Short Transmission Lines Using IEEE 802.11 Protocol

Conference:

**11th International Conference on Transmission & Distribution Construction, Operation and Live-Line Maintenance
ESMO2006**

Location:

Albuquerque, New Mexico, USA

Duration period:

October 15-19, 2006

Paper (3):

Efficient Protection Scheme for Short Transmission Lines using Wi-Fi Technology

Conference:

International Conference on Communication, Computer & Power (ICCCP'07)

Location:

Sultan Qaboos University, Muscat, Oman

Duration period:

19-21 February, 2007

Paper (4):

Protection Of parallel transmission lines Using Wi-Fi Protocol

Conference:

IEEE POWER & ENERGY SOCIETY GENERAL MEETING

Location:

PITTSBURGH, PENNSYLVANIA, USA

Duration period:

JULY 20-24, 2008

Paper(5):

Elimination of Low-order Harmonics in High Power Medium Voltage Inverter Applications Using a Modified SHE-PWM

<p>PUBLICATIONS</p>	<p>Technique Conference: 40th North American Power Symposium Location: University of Calgary, Calgary, Alberta, Canada Duration period: September 28- 30, 2008 <u>Paper(6):</u> Laboratory Investigation of Using Wi-Fi Protocol for Transmission Line Differential Protection Journal: IEEE Transactions on Power delivery. VOL. 24, NO. 3, July 2009 <u>Paper(7):</u> Considerations in Applying Wi-Fi Protocol for Transmission Line Differential Protection and Experimental Results Journal: IEEE Transactions on Power delivery. In Review</p> <p><u>Article:</u> A New Protection Scheme for Short Transmission Lines Magazine: Electricity Today, USA Issue: 9 November / December 2006 http://electricity-today.com/ www.electricity-today.com/et/issue0906/short_lines_protection.pdf</p>
<p>EXTERNAL WORK</p>	<p>Supervise and design the following:-</p> <ul style="list-style-type: none"> ○ Internal and external lighting systems. ○ Low voltage panels ○ Cable size selection ○ Transformer selection.

<p>EXPERIENCE</p>	<ul style="list-style-type: none"> ○ Medium voltage panel and switchgears ○ Emergency networks & standby generator selection ○ Low current systems. ○ Cost analysis.
<p>PROJECT LIST</p>	<p><u>Cairo</u></p> <ul style="list-style-type: none"> • SKODA SERVICE CENTER. • ELEMEN COMPANY FOR TREADING. • EGYPTIAN BANK FOR DEVELOPMING EXPORT. • GMC MARKET. • EXONMOBIL BUILDING (CAIRO AIRPORT) • ELMAHABA CENTER (SHOBRA) • ELSOLAIMANIA GOLF. • ELAMIR SHOPING CENTER (SHOBBRA). • AHLY BANK (NEW HELMAYA BRANSH) • ADMISTRATION BUILDING FREE ZONE, NASR CITY. • INFRASTRUCTURE OF ELECTRICAL NETWORKS FOR EXCTINSION OF INDUSTRIAL AREA, FREE ZONE, NASR CITY. • NUMBER OF VILLAS IN NEW CAIRO. <p><u>Hurghada</u></p> <ul style="list-style-type: none"> • GOLDEN BEACH RESORT. • DANA BEACH RESORT. • PORTO MIRIT BEACH RESORT. • POSY LAND BEACH RESORT. • CLUB ALDIANA BEACH RESORT. • SWISS REVIRA BEACH RESORT • ELNORAS HOTEL. <p><u>Sharm Elshiekh</u></p> <ul style="list-style-type: none"> • SHARM COAST BEACH RESORT. • AIALAH BEACH RESORT. • EXTENSION OF SONESTA BEACH RESORT.
	<p><u>Taba</u></p> <ul style="list-style-type: none"> • HILTON TABA BEACH RESORT. • TABA STEPS BEACH RESORT. • TABA PARADIES BEACH RESORT. <p><u>Aswan</u></p> <ul style="list-style-type: none"> • MOUBARAK HOSPITAL • FACULTY OF ARABIC & ISLAMIC STUDIESR UNIVERSITY). • FACULTY OF ARABIC & ISLAMIC STUDIES (ELAZHAR UNIVERSITY) <p><u>Port Said</u></p> <ul style="list-style-type: none"> • FACULTY OF ARABIC & ISLAMIC STUDIESR UNIVERSITY).

<p style="text-align: center;">PROJECT LIST</p>	<ul style="list-style-type: none"> • FACULTY OF ARABIC & ISLAMIC STUDIES (ELAZHAR UNIVERSITY) <p><i>North Coast</i></p> <ul style="list-style-type: none"> • MINA 3 BEACH RESORT. • GAZALA GULF BEACH RESORT. • ELSAHAB BEACH RESORT. <p><i>Saudi Arabia</i></p> <ul style="list-style-type: none"> • ELREYAD SHOPING CENTER. • COMPUTER SUPER STORE (Jeddah). • ELGASHYAN BUILDING (Makah). • HOME DESIGN CENTER (Jeddah). <p><i>Sadat city</i></p> <ul style="list-style-type: none"> • INFRASTRUCTURE OF ELECTRICITY NETWORK FOR EBNY BYETAK PROJECT. <p><i>Helwan City</i></p> <ul style="list-style-type: none"> • PREPARING THE STRATEGIC PLANNING FOR HELWAN CITY FOR ELECTRICITY.
<p style="text-align: center;">LANGUAGES</p>	<p>Arabic: Native language. English: Very good “reading, writing, conversation”.</p>
<p style="text-align: center;">COMPUTER SKILL</p>	<ul style="list-style-type: none"> • AutoCAD • Microsoft Office family • Internet Searching and Browsing • Lab View 8.2 • Matlab 6.5 Basic, Fortran, Pascal and C • Dielux for Lighting Calculation • ABB DOC for Electrical Power Network Analysis • Simaris for Electrical Power Network Analysis

Any further information will be tailored upon request.