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PERSONAL INFORMATION

Nationality: Jordanian.
Place of Birth: Kuwait
Date of Birth: February 17, 1971



EDUCATION

Sep 2008-Jun 2010
MSc

**Hijjawi Faculty for Engineering Technology / Yarmouk University
Irbid / Jordan**

Major: Electric Power Engineering.
Topic of my Thesis: An Improved Mechanism for Real-Time Reactive Power Pricing In a Competitive Electricity Market
Percentage Average: 95.8 %.
Grade: Excellent (Top of my class).

Sep 1989-Jan 1994
BSc

**Hijjawi Faculty for Engineering Technology / Yarmouk University
Irbid / Jordan**

Major: Electric Power Engineering.
Percentage Average: 85.9 %.
Grade: Excellent (Top of my class).
I was listed on the faculty honor board during all years of my study.
Member of Jordan Engineers Association (JEA)

CURRENT JOB

Aug. 2011- present

Instructor

**Faculty of Engineering / Electrical Engineering Dept.
UAU
Al Ain / UAE**

Job Description

- **Teaching:** I have been teaching a number of lab courses that are associated with different electrical fields. In particular, my main responsibility includes but not limited to teaching Electric Energy Conversion Lab, Instrument & Control Lab, Digital Logic Design Lab, and Electric Circuits Lab for male and female sections. I have been also assigned to teach a theoretical course "Electromechanical Devices".
- **Lab Manuals Development:** As part of the continuing improvement process in the contents of the lab courses, I have been developing the experiments manuals in terms of adding new experiments, modifying experimental procedures, and reformatting the old experiments' sheets. For Control & Instrumentation Lab, I increased the number of experiments to ten by activating three already existing setups. I fully designed a detailed experiment in Magnetic Levitation system to support the understanding of the PID control technique. As another example of the control systems, Flow Rate Control experiment has been added to the course manual. Using the

already existing kit, a Bottling System experiment was also added to the manual as a significant industrial application of the PLC device.

For Electric Energy Conversion Lab, I added two new experiments. The first experiment related to DC motor while the other one is for DC generator.

Circuit and Digital Lab manuals were also modified by correcting some minor mistakes and adding more explanations or details in some steps.

- Workshops: I participated in teaching a workshop on Data Acquisition systems (DAQ) for the students of industrial automation course. In addition, I prepared a workshop on Fuzzy control theory using Fuzzy toolbox in MatLab with a practical application on the crane system that we have in our control lab. I was also involved with the preparation for a workshop on Data Acquisition device (cRIO) given by National Instruments Company.
- Selecting and Commissioning for New Lab Equipment: I participated with other colleagues in the selection process for different types of intelligent relays, high voltage source, and Partial Discharge (PD) unit with its coupling capacitor. Then I played a role in the commissioning process and testing for these devices.
- Other Services: I have been participating in some university services, as well as the college and department events. I was nominated as a member of the initial and final receiving committee for "Replacement of old Fire Alarm System in Buildings of Maqam3" project. In 2011/2012 academic year, I was nominated to be in the university Safety Committee then in 2012/2013 and 2013/2014 in the department Social Committee. Furthermore, in some semesters I was selected as a College Representative in the Final Exam Presentation of Industrial Training Program.
For our department (EE) events, I shared my colleagues the preparation for the International Conferences on Renewable Energy Generation and Applications (ICREGA'12/March, 2012 and ICREGA'14/March, 2014), the Female Activity Days and the Competition Days.
Proctoring of the final exams of some general education courses in the university and in the EE department courses was also part of my duties.
In my free time, and as an auxiliary work, I assisted some students in their course projects and graduation projects.

WORK HISTORY

Feb 2000-Aug. 2011

Instructor (since I get the master degree) and Power Laboratories Engineer

**Power Engineering Dep. / Hijjawi Faculty for Engineering Technology
Yarmouk University
Irbid / Jordan**

Job Description

Instructor for some theoretical and practical subjects such as: Electric Circuits, Machines and Power Electronic. Teaching and supervising for the following Laboratories: Power Electronic Lab, Electric Circuits, AC&DC Electric Machines, Electrical Workshop, Measurements Lab which includes H.V. tests and measurements, Power System Protection Lab, and Engineering Drawing.

Sep 1999-Feb 2000

Electric Power Engineer

**Design Section / Power Station Department
National Electric Power Co. (NEPCO)
Amman / Jordan**

Job Description

Writing technical specifications of power stations apparatus (transformers, switch gears, circuit breakers, protection devices, meters, and any other related requirements), preparing tenders, drawing the layouts, single line diagrams, and any other electric circuits for the new power stations

Aug 1996-Sep1999

Electrical Trainer /Instructor

**Technical Training Institute /Water and Electricity Department (WED)
Abu Dhabi / UAE**

Job Description

Giving the trainees theoretical lectures in different electrical topics and supervising them in field training at WED sections (power stations, substations, distribution section...etc).

I was also engaged in preparing a textbook for the last year students in the Industrial Secondary Schools in UAE

Feb 1994-Nov1996

Power Laboratories Engineer

**Power Engineering Dep. / Hijjawi Faculty for Engineering Technology
Yarmouk University
Irbid / Jordan**

Same job description as mentioned above.

PUBLICATIONS

(2013) Yaser N. Anagreh, Nassim A. Iqteit and **Sameer F. Mohammad**
‘Performance analysis of a new configuration of three-phase self-excited induction generator feeding a single-phase load’, *Int. J. Power and Energy Conversion*, Vol. 4, No. 2, pp. 167-181.

ATTENDED SHORT COURSES and WORKSHOPS

NI Workshop on LabVIEW and Data Acquisition.

High Frequency lab / UAEU

Al Ain/ UAE

29/10/2013

Topics covered were: LabVIEW Introduction, Sensors, Digital Signal, Analog Signal, Signal Conditioning, Introduction to NI DAQ Hardware, Measurement and Automation Explorer (To configure HW), DAQ Driver in LabVIEW, Generate low level Code by Using the DAQ Assistant in LabVIEW, and Measuring Vibration From an Accelerometer

SEL University Custom Course about some protection relays for UAEU

Power Lab / UAEU

Al Ain/ UAE

22/9/2013 – 26/9/2013

This workshop was generally about:

A. Introduction to the SEL Relays, the available function and related settings for SEL-751A, SEL-710, SEL-487E, and SEL-451.

B. SEL directional principle and line differential basic.

C. Introduction to SEL-411L, and SEL-700G.

D. SEL-3530 (RTAC) product Overview, RTAC Settings and configuration and RTAC data Structure and data types

Elvis Hands-on with Communication and Control Add-on Boards

Communication Lab / UAEU

Al Ain/ UAE

5/2/2013 – 6/2/2013

This hands-on covers the Elvis board connections and applications, and explanation for different types of communication boards and control boards (DC Motor Control Trainer, Heating and Ventilation Trainer, Mechatronic Sensor Trainer, Rotary Inverted Pendulum Trainer, Vertical Take-off and Landing Trainer) which are connected using Elvis base board under the LabVIEW software.

Introduction to Partial Discharge Measurements

Power Lab / UAEU

Al Ain / UAE

26/2/2013 and 5/3/2013

This workshop encompass introduction to Partial Discharge phenomenon, description of the software and hardware of ICMcompact PD, connection of the PD unit with the tested object and the high voltage source (AC dielectric test set / model number 6CP100/50-7.5 from PHENIX company) using coupling capacitor, and calibration of PD unit.

Microsoft Windows 2000 Network and Operating System Essential

Microsoft Center / Yarmouk University

Irbid / Jordan

24/8/2002 – 5/9/2002

The principle features of windows 2000, and basics of networking with Windows 2000 (Types of user accounts, security features, the network tools, common protocols such as TCP/IP...etc.) were covered in this short course.

Programmable Logic Control (PLC) Course

Jordanian Engineers Association

Amman / Jordan

17/6/2001 – 20/6/2001

In this course I got introduced to the principles of Programmable Logic Control and its applications, especially in motor driving, with practical exercises on SIEMENS devices

Short Course in Protection Lab

TecQuipment Limited Company

Nottingham / England

2/9/1995 – 10/9/1995

This course was training on a TQ Protection Laboratory kit, purchased by Yarmouk University. This lab includes current relays, over voltage relays, differential relays, directional relays...etc.

Field Training during university study

Jordanian Electrical Authority (JEA) / Distribution Department

Al-Aqaba / Jordan

19/9/1992 – 31/12/1992

Fulfilling requirements of my Bachelor degree, I received more than three months training in (JEA) concerning the installation and maintenance of overhead feeders, laying, jointing, and fault location of underground cables, installation, maintenance, oil testing, and switching operation of distribution transformers and testing and installation of consumers' meters.

SKILLS

- Computer literate
I have the ability to use the following programs:
 - ✓ Windows varieties
 - ✓ Microsoft Office (Word, Excel, PowerPoint, and Access)
 - ✓ AutoCAD
 - ✓ MATLAB
- Languages
 - ✓ Arabic
 - ✓ English
- Problem solving and troubleshooting
- Communicative with other people