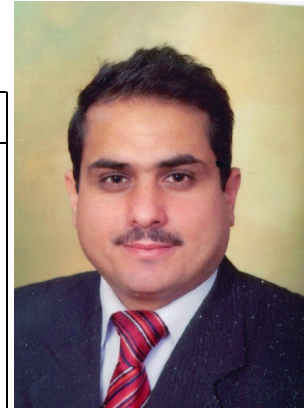


# Curriculum Vitae



## \* Personal information

**Name:** Dr. Talal Mohammad AlJaafreh  
**Date of birth:** 13/06/1975  
**Place of birth:** Karak-Jordan  
**Marital status:** Married  
**Address:** Mutah university/Faculty of engineering/  
61710/ Karak/Jordan  
**Email:**tmjaafreh@mutah.edu.jo

## \* Scientific Qualifications

- **PhD in Power and Mechatronic engineering systems/Control of intelligent systems. University of London-Kings College London/UK/2008**
- **Bsc in Electrical engineering/Power and control/ Mutah University/1998/ Secondary school certificate/Jordan/1993**

## \*Non-Academic experiences

- **Maintenance engineer/National Jordanian Power Company(NEPCO)/ 1999-2003**
- **Training engineer/Ministry of Pubic Works and Housing/1998-1999**

## \*Academic experiences

- **Academic experience that includes teaching, supervising projects and attending seminars and conferences/ Electrical engineering department/Mutah university/2008-till now.**
- **Head of electrical Eng. Department 2011-2012**
- **Lab supervisor/Mutah university/2003-2005**

## \* Research interests:

**Control and Automation, Renewable energy, Intelligent systems, robotic systems, , Bio-mechatronics.**

## **\* Some aspects of academic experience**

### **A- Taught courses**

- Automatic control systems
- Digital control systems
- Power systems(1)
- Power stations
- Programmable logic controllers
- PV systems (for MSC students in renewable energy specialization)
- Advanced operation research (For MSC students in engineering)
- Electrical energy management.
- Electrical machines
- Electric machines and drives.
- Measurement and instrumentation
- Probability and stochastic processes
- Electric illumination and installation
- Electrical engineering
- Engineering economy
- administration specialization)
- Electrical circuits (1)
- Electrical circuits (2)
- Biomedical devices

### **B- Supervising projects**

Supervising many Bsc projects in the fields of design and implementation of robotic systems control and automation, renewable, energy, energy saving and management. Some titles are:

- Designing and building a dual axis solar tracking system **(This project has won the first prize in the Jordanian national universities festival- 2013).**
- Designing and building a PLC controlled-parking system.
- Designing and building a stator-rotor wind turbine.
- Controlling pitch angle of a horizontal wind axis turbine.
- Developing and implementation a wireless controller for DC motor.
- Designing and implementation a wireless discovery robot.

### **C- Some Training courses and Seminars attended**

- **Training workshop on High voltage transmission lines and substations maintenance/ NEPCO**
- **Seminar on energy alternatives in Jordan/Jordanian engineering association.**
- **Seminar on intelligent and robotic systems design and applications/ Jordanian engineering association.**

### **\*Computer Skills and Certificates:**

- **International certificate in computer (ICDL)-Unesco-Cairo-2004**  
**Professional in Matlab usage (Control toolbox, Robust control toolbox, Curve fitting toolbox, Instrument toolbox,.....etc)**
- **Professional in PLC-programming (Allen Bradley type)**
- **Professional in Labview program for robots control and automation**
- **Professional in Electrical circuits software ( Multisim, EWB, ...etc)**