Omar Tamimi

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CURRENT POSITION

Full time lecturer in the Electrical Engineering Department, An-Najah National University, Palestine, September 2009 – Present

EDUCATION

- **MSc Microelectronics** *University of Newcastle, UK*   *Sep 2007-Sept 2008*

Msc Degree thesis in semiconductor memory testing entitled: *Static-RAM fault injection*. This project was intended for analyzing and verifying the SRAM behaviour under the presence of physical faults. The faults were injected using a fault injection module developed using VHDL. The project also involves a VHDL coding for built-in self-test architecture for testing the SRAM. At the end the project has achieved it is intended objectives and was admired by my supervisor.

- **Bsc in Electrical Eng.** Palestine Polytechnic University   Aug 1997-June 2002

Modules: Electromagnetic Fields, Data Communication, Introduction to Microprocessors, Methods of Scientific Research, Electronics i & ii, Electrical Circuits i & ii, Computer Organization & Architecture, and etc.

WORK EXPERIENCE

June 2009-Present   *Lecturer at Electrical Engineering Dept.* **An-Najah National University**
I currently work as a full time lecturer in the engineering Dept. of Al-Najah National University.
Throughout my teaching career I have taught effectively the following modules

In addition to the core duties described above, I have also been involved in Assessing student's progress according to given assignments and providing feedback to help them improve.

October 2008- April 2009   *Hardware Design Engineer* **Mackwell Plc** *Lancashire-UK*

As a Hardware design engineer I was primarily involved with designing and developing of lighting controller units and data acquisition systems. Technology used included: 8-bit microcontrollers, switched mode power supplies, current and voltage regulators, EMC passive filters and solid state relays.

September 2003 - August 2007   *Electronic Design Engineer* **(confidential)** *Surrey-UK*

My duties included the following
- Designing and developing analogue circuits including linear and switched-mode power supplies, buck, boost converters, constant current circuits, amplifiers and op-amp circuits.
- Designing and developing digital circuits such as, automatic self test unit which utilizes PIC microcontrollers to test and validate the functionality of fire alarms and emergency lighting systems.
- Optimizing circuit design for full EMC compliant as per British and European standards.
- Writing EMC test reports and documenting of test results.
- Producing design related documentations including design calculation and simulation, schematics and drawings, bill of material, test procedures and technical specifications.

January 2003-June 2003   *Developing and testing Engineer*   **(confidential)** UK

Programming and testing of DC low voltage electrical drives for linear actuators. My role was specifically related to the customization of blank electrical drives to meet customer requirements. For the purpose of this job I had to develop an automated data acquisition system based on 8085 microprocessors to test each drive.

COMPUTER SKILLS

- High level of computer literacy on both PC and Macintosh platforms with extensive experience of (Microsoft Office - Excel, Word, Outlook, Power Point).
- Very familiar with various Microsoft operating systems (e.g. Windows 98/2000/XP/Vista)
- As part of my education and work I became very familiar with the following software: T-subrim, Medici, FEMLAB, Lab View, Dromey-Design, Synapti-CAD, Matlab, Auto-CAD, Embedded-C, Assembly, MPlab-IDE, Proteus VSM, IFS, Xilinx, MATLAB, Tsuprem Medici, Simulink, Concept-Draw and 3D studio Max.

COURSES TAUGHT:

BACHELOR COURSES:
- Electric Circuits I & II
- Electronics & Electric Circuits
- Principles of scientific research & technical writing
- Introduction to Electrical Engineering
- Electrical Installations &Safety Procedures
- Control System Lab
- Electric circuits & Electronics Lab
- Electric Machines Lab

REFERENCES

Available upon request