

## **Hasan Othman Hasan Farahneh (CV)**



### **I. Contact Information:**

**Jordan -Zarka  
P. O. Box 3590  
Postal code- 13111**

**Mobile Phone: +962-777-410-464**

**E-mail: [h.farahneh@ju.edu.jo](mailto:h.farahneh@ju.edu.jo)**

**[hasan\\_othman@yahoo.com](mailto:hasan_othman@yahoo.com)**

### **II. Birth Date and Place:**

**December, 28, 1962 in Nables – Jordan  
Married, 3 dependent Childs**

### **III. Citizenship:**

**Jordanian**

### **IV. Education:**

- 1) M.Sc. E.E.( Communication Engineering)  
Jordan University ,Amman , Jordan, April  
2004, average 3.44/4**
- 2) B.Sc. in Electrical Engineering (E.E),  
Yarmouk University, Irbid, Jordan, Jun  
/1985 average 79.3%**

## V. Master Thesis Title:

Measuring polarization mode dispersion in fiber optics using four wave mixing non linear effects.

## VI. Teaching Experience:

- 1) **March 1990- November 2000: Instructor of Electrical Engineering courses and labs in Prince Hussein bin Abdullah technical collage/ Balaqa university**
- 2) **September 2004- till now Instructor in the Electrical Engineering Department in University of Jordan.**

### 1) Undergraduate Courses Taught:

- 1 Electrical circuits analysis(I+II)
- 2 Probability and random variables
- 3 Signals analysis and Systems
- 4 Optical Fiber Communication system
- 5 Matlab

## VII. Laboratories Instructed or Taught:

- 1 Electric Circuits
- 2 Electronic Circuits
- 3 Digital Integrated Electronics
- 4 Control Systems
- 5 Auto tronics work shop.
- 6 Communication and control lab

## VIII. Supervised Graduation Projects:

More than 35 projects in most areas of interest, in Electrical, communications and electronics.

## IX. Practical Experience:

**Jun. 1985-Aug. 1985:**

**Trainee, Communication establishments  
Irbid, Jordan**

**Dec 1985-March 1990**

**Engineer, in Jordan Army electronics  
work shop, Jordan**

**March 1990-Nov 2000**

**Instructor of EE Courses**

**Nov 2000-Oct 2002**

**Electronic Advisor in Jordan Army  
Project manager in the Jordanian royal  
court**

**Oct2002-Aug 2003**

**Retired from the Army as a LT.COL in Aug2003  
Instructour in the Electrical Engineering Department  
in University of Jordan since Sep 2004 till now.**

## **X. Meetings, Workshops and Conferences:**

- 1) June, 1997, Developing the vocational training Education Technology Workshop,, Jordan.
- 2) Mid Carrier Course in Pakistan, May 2000.
- 3) Summer University in Lebanon, Sep 2005.
- 4) Many electrical and electronics conferences held in Engineers Association, Jordan
- 5) Many conferences and work shops held in Balqa university, Ministry of education for developing the vocational education in Jordan
- 6) The 4<sup>th</sup> international Scientific Conference of the Military Technical Collage 27-29, May 2008 in Cairo-Egypt.

## **XI. Research Areas of Interest:**

1. Optical Fiber Communications:  
Polarization Measurements of fiber optics,
2. Image processing

## **XII. Computer Experience:**

- 1- Operating Systems:
  - i) MS-DOS
  - ii) MS Windows (all versions)
- 2- Languages:
  - i) Fortran
  - ii) Visual Basic
- 3- Mathematics/Simulation:
  - i) Mathematica
  - ii) Matlab/Simulink

- iii) Lab View
- 4- Word Processors:
  - i) MS Word for Windows/Windows
  - ii) WordPerfect

### **XIII. Professional memberships:**

- 1- Jordan Engineers Association(1985-Now).
- 2- IEEE (1987-1992)

### **XIV. Languages:**

- 1) Arabic (Mother Tongue).
- 2) English.
- 3) French,

### **XV. Awards:**

- 1) 1992: Medal of The best trainer in Jordan Army.

### **XVI. publications:**

- 1) Stability and line width of multi wavelength Semiconductor fiber ring laser (Photonic North 2007-Canada)
- 2) Measuring Polarization Mode Dispersion in Optical Fiber using Four Wave Mixing Non Linear effects. (The 4<sup>th</sup> international Scientific Conference of the Military Technical Collage 27-29, May 2008 in Cairo-Egypt).
- 3) Two Slot MIMO Configuration for Cooperative Sensor Network(*Int. J. Communications, Network and System Sciences*, 2010, 3, 750-754  
doi:10.4236/ijcns.2010.39100 Published Online September 2010

### **XVII. References:**

- 1) Prof .Ibrahim Mansour, Jordan University. Jordan, Mobile+962-77-498906

- 2) **Prof. Ahmed k.Atieh National research center Canada. Mobile +1613-229-9200**
- 3) **Prof. Muhammad M.Banat, Jordan University of Science and Technology, Irbid, Jordan. Mobile +962-795-289-616.**
- 4) **Further references upon request.**