

Personal information

Date and place of birth: **5th April, 1979, Jordan, Tafila**, Marital status: **Married**.

Professional Summary

Motivated academic educator with multidisciplinary background and academic experience in the different branches of Electrical Engineering (Power, Telecommunications, and Computer). Research interest mainly in Signal/Image Processing and Coding, with a special interest in open-source software and Linux operating system.

Education

2014-2019: **Ph.D. Electrical/Electronic Engineering**. Staffordshire University, United Kingdom.
Thesis Title: "**Optimisation of Tamper Localisation and Recovery Watermarking Techniques**"

2003 -2006: **M.Sc. Degree in Communication Engineering**. Mutah University, Jordan.
Thesis Title "**Combining Fractal Image Compression with Commonly Used Techniques.**"
Total grade of 85.11% (Excellent)

1997-2002: **B.Sc. Degree in Electrical Engineering**. University of Jordan, Jordan.
Total grade: 3.05 out of 4 . (very good)

1996-1997: **General secondary stage**. Qadeseyyah Secondary School, Jordan.
Percentage Average (89.2%), Percentage Rank (91.2%)

Job Experience

1/4/2020 – Now **Assistant Professor**
Electrical Engineering Department, Al-Hussein Bin Talal University, Jordan.

10/12/2018 – 1/4/2020 **Renewable Energy Trainer**
Vocational Training Corporation, Jordan

13/9/2010 – 9/2014 **Full-time Lecturer**
Communications Engineering Department, Al-Hussein Bin Talal University, Jordan.

3/2/2008 – 31/1/2010: **Full-time Lecture.**
Electrical Engineering Department, Tafila Technical University, Jordan.

1/7/2005 – 3/2/2008: **Electrical Power Lab. Instructor**
Electrical Engineering Department. Tafila Technical University, Jordan.

6/3/2003 – 1/7/2005: **Electrical Power Lab. Instructor**
Electrical Engineering Department. Tafila Applied University College, Jordan.

Teaching Experience

Courses: Probability, Random Variables and Random Processes
Image and Audio Processing
Electrical Circuits II
Engineering Mathematics
Principles of Communication Systems
Control Systems
Object Oriented Programming (*using C++*)
Microprocessor and Assembly Language
Measurements and Instrumentation
Electrical Machines
Power system Protection

Labs: Power System Simulator PST2200 (TERCO)
Protection System (Lab-Volt)
8086 Microcomputer Trainer MTS-86C (K&H)
8085 Microprocessor and Assembly Language Lab.
Analog Control System ASC-1000 (K&H)
Analog communication Lab. (K&H)

Workshops: "Introduction to Open-Source and Linux Operating System"

Language Skills

English: Fluent (TOEFL IBT ,28th September 2013, Score : 95/120)

Awards

11/09/2014 – 11/07/2016: *PhD Scholarship, ERASMUS MUNDUS PEACE 1*
Staffordshire University, United Kingdom

Publications

Conference Papers

- Alnaanah, Mahmoud; Aljaafreh, Ahmad; , "A simplified method for off-line track matching for fleet managements," *Applied Electrical Engineering and Computing Technologies (AEECT), 2011 IEEE Jordan Conference on* , vol., no., pp.1-5, 6-8 Dec. 2011, DOI: 10.1109/AEECT.2011.6132522

Certificates

09/2005: "Education for Democracy" (34 hours), European Mediterranean Youth Bridge (EMYB) , Germany.
10/2008 "Lab-Volt Protection System-Canada" (20 hours).
01/2001: "3D MAX" (30 hours) , University of Jordan.
01/2001: "Computer Maintenance" (20 hours), University of Jordan.

Projects

Sound-Source Localization with affordable USB microphones and only open-source software (Linux,Scilab, GStreamer).

Computer Skills

Linux: Installation, Command Line, Troubleshooting, Bash scripting.
Matlab: Scripting, SimuLink, GUI design, Image and Signal Processing, open-source alternatives (Scilab, Octave) .
Python: Deep Learning and Computer Vision using TensorFlow, OpenCV, Numpy, Matplotlib, etc.
Computer Maintenance: Troubleshooting/Installing, Linux/Windows/DOS.
Office tools: Microsoft-office, LibreOffice, Latex.
Other Programming languages: C/C++ (OOP), assembly (Intel 8086/8085), Java, HTML, PHP, SQL.
Graphic design software: AutoCad, 3DS MAX, Adobe photoshop, Gimp.

References

Dr. Dr Alison Griffiths, Stafforshire University, a.l.Griffiths@staffs.ac.uk
Dr. Abdel-Hamid Soliman, Stafforshire University, a.soliman@staffs.ac.uk
Dr. Wael Al-Sawalmeh, Al-Hussein Bin Talal University, w.alsawalmeh@yahoo.com
Dr. Saleh Al-Jufout, Tafila Technical University, drjufout@yahoo.com

Any required certificate/document will be provided on demand.