

## **Ayman Rabee – Curriculum Vita**

### **Education**

- 1996 - 2001: Bachelor's degree in Electrical Engineering and Computer. Birzeit University, Palestine.
- 2001 - 2004: Master's degree in Scientific Computing and Engineering. Birzeit University, Palestine.

### **Employment and Professional Experience**

September 2008 – Now

#### **Engineering Requirement Unit, Faculty of Engineering**

UAE University, UAE

- Full Time Instructor: Teaching the following courses – Introduction to Programming, Freshman Lab, and Microprocessor.
- Freshman Lab Committee, Head.

September 2004 – February 2008

#### **Electrical and Computer Systems Engineering,**

Birzeit University, Palestine

- Full Time Instructor: Taught the following courses – Digital Signal Processing, Microprocessor Systems, Computer Organization, Signals and Systems, Communication systems, Digital Logic, Electronics, and Electrical Circuits.
- Supervising Graduation Projects:
  - ✓ Simulation and Modeling of a Fuzzy ECG System with MATLAB/SIMULINK
  - ✓ Spectrum Analyzer Hardware-Software Implementation with LABVIEW
  - ✓ Digital Communication Lab Implementation
  - ✓ Fuzzy Control of an Autonomous Robot
  - ✓ Image Processing and Pattern Extraction with Adaptive Filtering
  - ✓ Centralized Phone Book Database
- Students Advisor
- Training Coordinator

September 2005 – September 2006

#### **Computer science Department**

Al Quds Open University, Palestine

- Part Time Instructor: Taught the following courses – Data Structure, Digital Logic, and C++ Programming.

September 2003 – September 2004

#### **Women Training Center**

Ramallah College, Palestine

- Instructor: Taught computer courses (Programming, Software Engineering, Logic Design), ICDL, Flash and Dreamweaver.

September 2001 – September 2003

#### **Electrical and Computer Systems Engineering**

Birzeit University, Palestine

- Labs Supervisor: Control, Microprocessor, Electrical Circuits, Electronics, Communication ... etc
- Lab Manuals Development
- Discussion classes and tutorials
- Computer equipments maintenance and microcontrollers interfacing/programming

## **Programming**

I have good experience in: C, C++, Java, Visual Basic, MATLAB, LABVIEW, Assembly, and Objective-C.

## **Research Interests**

Signal Processing, Digital Image Processing, and Biomedical Signal Processing.

## **Publications**

- W. Ghanem, A. Rabee, "Real Time Algorithm of ECG Analysis Using Wavelet Transform", AED2004, 4th International Conference 5-8, September 2004, Glasgow, Scotland, UK.
- W. Ghanem, A. Rabee, "Development and Realization of a Real Time ECG System", JIEEE, March 14 - 16, 2006, Amman, Jordan.
- Rabee, A., Barhumi, I., "ECG signal classification using support vector machine based on wavelet multiresolution analysis," 11th International Conference on Information Science, Signal Processing and their Applications (ISSPA), 2012, pp.1319-1323, 2-5 July 2012, Montreal, QC.
- Rabee, A., Barhumi, I., "License Plate Detection and Recognition in Complex scenes using Mathematical Morphology and Support Vector Machines," International Conference on Systems, Signals and Image Processing (IWSSIP), 2014, pp. 59-62, 12-15 May 2014, Dubrovnik.