

## **Nuha Odeh**

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### **CURRENT POSITION:**

**Research & Teaching Assistant, Electrical and Telecommunication Engineering Department, An-Najah National University, Nablus, West Bank, Palestine.  
September 2005 - Present.**

### **EDUCATION**

- **MSc. Electronics and Computer Engineering, AL-Quds University, Jerusalem, Palestine, September 2009 –Jan 2013.**
- **BSc. Electrical Engineering, An- Najah National University, Nablus, Palestine, 2000 – 2005**

### **THESIS TITLE**

**"Diphone-Based Arabic Speech Synthesizer for Limited Resources Systems".**

### **THESIS ABSTRACT**

**The Research deals with building Arabic concatenative speech synthesizer for limited resources systems such as mobile applications. This is done by using database of diphones stored in Code Excited Linear Prediction (CELP) coding format and predefined linear pitch contours for implementing the prosodic features. To smooth between Diphones, the research proposed a method using a time domain overlap-add (TD-OLA). All coding and synthesis steps were implemented using MATLAB and all synthesis steps were re-implemented on mobile with Android platform under JAVA environment.**

### **WORK EXPERIENCE**

**Research & Teaching Assistant, Electrical and Telecommunication Engineering Department, An-Najah National University, Nablus, West Bank, Palestine.  
September 2005 - Present.**

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### **COMPUTER SKILLS**

- MS Office (including Word, Excel and Power Point)
- Expert user of MATLAB.
- Good user of programming languages such as C++, Code Composer Studio, Java Script, .Net Framework and XML.

## **TRAINING**

- Telecommunication Training Workshop, LD-Didactic Company, Cologne, Germany, 1st Dec 2014 (3 days).
- Antennas & Microwaves Training Workshop, Lab-Volt Company, Quebec, Canada, 12th Nov 2012 (5 days).
- Android Training Course, SHARP Education Center, Nablus, Palestine, 22th July 2012, (40 credit hours).
- Digital Signal Processing & Processors Workshop, Palestine Polytechnic University (PPU) in cooperation with IUT CACHAN Paris-Sud University, Palestine, 12<sup>th</sup> June 2011 (4 days).
- Signal Processing and Control with DSP Workshop, Palestinian Technical University in cooperation with IUT CACHAN Paris-Sud University, Palestine, 11<sup>th</sup> April 2010 (4 days).
- Developing methods for Co design with FPGA Workshop, An Najah National University in cooperation with IUT CACHAN Paris-Sud University, Palestine, 10<sup>th</sup> Jan 2010 (4 days).
- Advanced Digital Communications Workshop, Al-Quds University in corporation with Bordeaux 1 University, Palestine, 6<sup>th</sup> Sep 2009 (5 days).
- Matlab Simulink in Drives and Power Electronics Workshop, Palestine Polytechnic University (PPU) in cooperation with IUT CACHAN Paris-Sud University, Palestine, 18<sup>th</sup> May 2009 (4 days).
- Project Pedagogy Approach of Microcontroller Workshop, Palestinian Technical University in cooperation with IUT CACHAN Paris-Sud University, Palestine, 23<sup>th</sup> April 2006 (5 days).

## **COURSES TAUGHT:**

### **BACHELOR COURSES:**

- Digital Signal Processing Lab
- Electrical Circuits Lab
- Electronics Lab
- Digital Electronics Lab
- Microprocessor Lab
- TA in Communications Lab
- TA in Advanced Communications Lab

## **PUBLICATIONS**

### **REFEREED JOURNALS:**

- Mousa, A. and Odeh, N. (September 2012) 'Optimizing the WAVELET parameters to improve image compression', International Journal of Advances in Engineering & Technology, Vol. 4, Issue 2, pp. 46-52.

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## **REFERENCES**

Available upon request