

Nuha Odeh

Electrical and Telecommunication Engineering Department, An-Najah National University, Nablus, Palestine
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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.

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, 12th June 2011 (4 days).
- Signal Processing and Control with DSP Workshop, Palestinian Technical University in cooperation with IUT CACHAN Paris-Sud University, Palestine, 11th 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, 10th Jan 2010 (4 days).
- Advanced Digital Communications Workshop, Al-Quds University in corporation with Bordeaux 1 University, Palestine, 6th 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, 18th May 2009 (4 days).
- Project Pedagogy Approach of Microcontroller Workshop, Palestinian Technical University in cooperation with IUT CACHAN Paris-Sud University, Palestine, 23th April 2006 (5 days).

Major Courses during Master Degree:

- Signal & Image Processing
- Special Topics in Signal & Image Processing
- Advanced Linear Algebra
- Multimedia & Virtual Reality Systems
- Soft Computing I (Mainly Fuzzy Logic)
- Special Topics in Comp. & Software Sys.
- Introduction to 3G Mobile Communication
- Processor's Fundamentals

COURSES TAUGHT:

BACHELOR COURSES:

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

PUBLICATIONS

REFEREED JOURNALS:

- A. Masri, Y. A. S. Dama, N Eya, R. A. Abd-Alhameed, N. Odeh, F.Hasan, A. Mousa, and J. M. Noras, “Secondary user undercover cooperative dynamic access protocol for overlay cognitive radio networks”, International Journal of Mobile Network Communications & Telematics (IJMNCT) Vol. 7, No.1/2, April 2017.
- 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.

REFERENCES

Available upon request.