

# Laith IBRAHIM

Zababdeh- Jenin

West Bank

Palestine

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## Personal Information

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Date of Birth: December 31<sup>st</sup>, 1985

Place of Birth: Kuwait City, Kuwait.

Personal Email: [ibraheem\\_laith@yahoo.com](mailto:ibraheem_laith@yahoo.com)

## Employments

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### University Instructor

Employer: Al-Quds Open University (QOU), Jenin, PALESTINE

Time Period:

- September 1<sup>st</sup>, 2011-Present (**Full Time contract**)
- January 15<sup>th</sup>, 2010- January 15<sup>th</sup>, 2011 (**Part Time contract**)

Employer: Arab American University- Jenin (AAUJ), PALESTINE

Time period: January 15<sup>th</sup>, 2011- June 15<sup>th</sup>, 2011 (**Part Time contract**)

Responsibilities:

- Instructor of high level undergraduate courses at the Telecommunications Engineering and Information Technology department. The courses that I have been enrolled with are:
  - Digital & Analog Communications.
  - Data Transmission and its various techniques.
  - Wireless Networks.
  - Probability, Random Variables and Stochastic Random Processes.
  - Circuits and electronics analysis.

### Research Engineer

Employer: Royal Institute of Technology, Stockholm, SWEDEN.

Time period: July 1<sup>st</sup>, 2009- December 31<sup>st</sup>, 2009

Responsibilities:

- Technical responsibilities:
  - Conduct RF measurements.
  - Base Stations product compliance verifications.
  - Programming and simulations.
- Project management responsibilities:
  - Overseeing the various stages of development for the project.
  - Make sure that the various parts of the project are processing, and that the project work as a whole.
- Scientific researcher:
  - Project proposals developer.
  - Reviewing master thesis projects in the field.

## Education

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**Sep. 2007 – June 2009**

Master of Science in Wireless Systems – School of Electrical Engineering, The Royal Institute of Technology (KTH), Stockholm, SWEDEN.  
Thesis: "Impact on System Performance of Squeezing in Additional UMTS Carriers"  
GPA: Very good standing

**Sept 2003 – Jan 2007**

BSC. In Telecommunication Technology (TCT) from the Arab American University – Jenin, PALESTINE.  
Thesis: "User Capacity of a Multi-User Receiver in a CDMA System"  
GPA: 3.62

**Sept 2002 – June 2003**

Tawjihi degree Scientific Stream – Latine Patriarchate School – Average 92,6%

## Other/Student Internship Experience

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**January 2009 – June 2009**

Master Thesis Project, Royal Institute of Technology, Stockholm, Sweden.  
Thesis Title: "Impact on System Performance of Squeezing in Additional UMTS Carriers"  
The thesis studied the impact of introducing additional UMTS carrier on top of the carriers that are already deployed in a given spectrum portion on the overall mobile operator system capacity.

**Aug. 2006– Sept. 2006**

Paltel Company, Ramallah –Palestine (**Student Internship**)  
60 hours Practical training in Telecommunication Engineering. The training was focused on wired networks planning and designs (telephony system design, switching systems, LAN and WAN networks).

**July 2006 – Aug.2006**

Palestinian Cellular JAWWAL, Ramallah – Palestine (**Student Internship**)  
60 hours Practical training in Wireless Telecommunication Engineering. The training was focused on GSM system architecture, Radio network design and planning.

## Relevant Courses

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- Signals and Systems
- Digital Communications and Information Theory
- Radio Communications
- Queuing Theory and Tele-traffic Systems
- Digital Signal Processing
- Antenna and Microwave Engineering
- Wireless Networks
- Communication Networks

## Language Skills

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<b>English</b>	Fluent (reading, writing and conversation)
<b>Arabic</b>	Native
<b>Swedish</b>	Elementary

## Related Skills

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- Programming language: C++, Matlab
- Operating Systems: Windows 95/98/NT/2000
- M S Office (Word, Excel, Power Point,...etc)
- Eelectronic CAD and circuit simulation tools: Ps-Spice
- Data and mathematical treatment tools: Matlab and Maple

## Conference and publications

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**Laith Ibrahim and Claes Beckman**, "*Compliance of GSM to WAPECS: The New European Wireless Access Policy for Electronic Communication Services*", submitted to the 5<sup>th</sup> International *IEEE* conference on Cognitive Radio Oriented Wireless Networks and Communications (CrownCom), Cannes, France, 9-11 June, 2010. <http://www.crowncom2010.org/>

**Laith Ibrahim, Ömer Ileri and Jan Markendahl**, "Impact on System Performance of Squeezing in Additional UMTS Carriers", submitted to International *IEEE* Symposium on Wireless Communications and Networking Conference (WCNC), Sydney, Australia, 18-21 April, 2010. <http://www.ieee-wcnc.org/>

**Laith Ibrahim and Nasser Hamad**, "User Capacity of a Multiuser Receiver in a CDMA System", 2<sup>nd</sup> Palestinian International Conference on Computer and Information Technology (PICCIT), Hebron, Palestine, 1-3 Dec., 2007. <http://www.piccit.ppu.edu>

## HONORS & AWARDS

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Aug. 2003 – June 2007: Full Scholarship for Bachelor studies Awarded from Greek Orthodox Patriarchate of Jerusalem.

**References available upon request.**