## **Curriculum Vitae**

# **Isam Alawneh**



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# **Personal Details**

Sex: Male / Married  
 Date of birth: 18th of August, 1968   
 Place of birth: Azmout   
 Present Citizenship: Palestinian

### School Education

* 1974--1980 Elementary Education
* 1980--1983 Preparatory Education
* 1983--1986 Secondary Education

# **Higher Education**

* 10/1986--02/1994: Bachelor of Science in Physics and Electronics: Major Physics, Minor Electronics from An Najah National University, Nablus, Palestine
* 10/1996—03/1998: Master of Science in Physics, Department of Physics, Faculty of Science, Katholike university Leuven Belgium. I had prepared my thesis at IMEC-Leuven (Interuniversity Microelectronics Centre) in the period 01/08/97 to 31/01/1998. Master Thesis: ‘Deep Submicron – Oxide-Semiconductor field Effect Transistor (MOSFET) Operation in the Temperature Range 4.2 – 300 K’
* 07/1999—07/2004: Ph.D. in Electrical Engineering, Institute for high Frequency Technique, Antennas and Wave propagation group, Faculty of Electrical Engineering, Ruhr University Bochum, Bochum Ruhr-Universität Bochum, Germany. Ph.D. Thesis: ‘Modelling of the backscatter Behaviour of Typical Mines by computer Simulations and Experimental Tersts’. Supervisor: Prof. Dr. Ing. Peter Edenhofer.

#### **Working Experience**

* 09/1987 -- 09/1991: plan and construct infrastructure electricity for buildings
* 03/1994 -- 09/1996: plan and construct infrastructure electricity for buildings
* 08/1998--08/1999: Teaching Physics at high school
* 07/1999—09/2001: European funded project HOPE (Hand-Held Operational Demining Systems), Institute for high Frequency Technique, Antennas and Wave propagation, Faculty of Electrical Engineering, Ruhr University Bochum, Bochum, Closed Cooperation with German Space Agency, Munich, Oberpfaffenhofen, Germany
* 09/2001 –09/2004: Assistant Lecturer (part time) and Scientific Researcher Fellow at Institute for high Frequency Technique, Antennas and Wave propagation, Faculty of Electrical Engineering, Ruhr University Bochum, Bochum
* 09/2004—02/2005: Assistance Professor, Telecommunication department, Arab American University Jenin, Jenin, Palestine
* 05/2005—31/12/2005: Post-doctoral-Scientific Researcher at Institute for high Frequency Technique, Faculty of Electrical Engineering, Ruhr University Bochum, Bochum. Project: Ultrasound for medical applications Son-histology: Ultrasonic multi-feature tissue characterization system for the computerized differentiation of Parotid-Gland Tumours.
* 09/01/2006—28/02/2009: Industrial experience: Design Engineer, Surface Acoustic Waves Filters for Mobile communication. Company: Vectron International GmbH & Co. KG., Potsdammer Strasse 18, Teltow, Germany
* Assistance Professor, Telecommunication Engineering department, Faculty of Engineering and Information Technology, Arab American University, Jenin, Palestine:
  + 01/03/2009 – until now

# **Language Knowledge**

* Arabic   Native
* English  Fluent
* German Very-Good

##### **Publications**

1. I. Alawneh, E. Simoen, S. Biesemenms, K. De Meyer and C. Claeys, ”Comparison of the freeze-out in Indium and B doper n MOSFETs in the temperature range 4.2—300 K”, published in the proceedings of the European workshop on low temperature Electronics, WOLT 3, San Miniato, Tuscany Italy, June, 1998
2. I. Alawneh, E. Simoen, S. Biesemenms, K. De Meyer and C. Claeys, ”Comparison of the freeze-out in Indium and B doper n MOSFETs in the temperature range 4.2—300 K”, Journal de Physique, vol. 8, pages 3-03, year 07/08
3. I. Alawneh, E. Simoen, S. Biesemenms, K. De Meyer and C. Claeys, ”Charateristics of deep submicron n-MOSFETs in the temperature range 4.2--300 K”, Annual Belgian Society General Scientific Meeting, Faculaties Universität Notre-Dam de la Paix, Namur, Belgian, 19 and 20 May, 1998.
4. I. Alawneh, Christian Beine, Peter Edenhofer, “Modelling of the backscatter behaviour of the different types of mines without environment”, Final Report, HOPE-Project, September 14, 2001.
5. Isam Alawneh, U.Scheipers, S. Siebers, M. Ashfaq, F. Gottwald, A. Bozzato, J. Zenk, H. Iro, H. Ermert, “Ultrasonic Tissues Characterization for Parotid Gland Tumours Diagnostics”, Poster, 12 Tag der BioMed Technik, Ruhr University Bochum, Germany, 2005
6. Peter Edenhofer, I. Alawneh, “Hand-held operational demining system”, [5th International Conference on Antenna Theory and Techniques](http://csdl2.computer.org/persagen/DLAbsToc.jsp?resourcePath=/dl/proceedings/icatt/&toc=comp/proceedings/icatt/2005/9261/00/toc9261.xml) (ICATT), Kiev-Ukraine, 24-27 May, 2005
7. Isam Alawneh, Christian Beine, Dirk Plettemeir, Peter Edenhofer, " Modelling of the Backscatter Behaviour of Typical Antipersonnel Landmines by computer simulations" 3-rd European conference on Antenna and wave propagation, EuCAP 2009, 23/3/2009-27/03/2009 Berlin Germany.
8. Isam Alawneh, Christian Beine, Peter Edenhofer, “Calculation of Fingerprints of Typical Antipersonnel Landmines by Varying the Observation Point and Incidence Angles of Excitations”,Submitted to the 6th European conference on Antenna and wave propagation, EuCAP 2012, 26-30 March 2012, Prague, Czech Republic.
9. Isam Alawneh, Christian Beine, Dirk Plettemeir, Peter Edenhofer, ‘Comparison of Backscattering Characteristics of Different Antipersonnel Landmines by Using Method of Moment and Finite Difference in Time Domain’, submitted to International Conference on Applied and Theoretical Information Systems Research 2012 (ATSIR 2012), February 10-12, Taipei, Taiwan 2012.

**References**

These persons are familiar with my professional qualifications and my character:

**1. Prof. Dr.-Ing. Peter Edenhofer**  
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