

# CURRICULUM VITA



## Personal Details

**Name:** Hazem Falah Hashem Sakeek  
*Associated Professor of Physics*

**Date of Birth:** 18<sup>th</sup> September 1965

**Place of Birth:** Gaza, Gaza-Strip

**Home Address:** Gaza Al-Remal,  
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E-mail: [skhazem@gmail.com](mailto:skhazem@gmail.com)

**Marital Status:** Married

**Number of Children:** Five

**Nationality:** Palestinian

**My Web Site:** Physics Education Center [www.hazemsakeek.net](http://www.hazemsakeek.net)  
[www.hazemsakeek.info/vb](http://www.hazemsakeek.info/vb)  
Physics Academy [www.physicsacademy.org](http://www.physicsacademy.org)  
Scientific Translation Center [www.trgma.com](http://www.trgma.com)

## Education and Qualifications

	<i>Name</i>	<i>Place</i>	<i>Date</i>	<i>Degree Awarded</i>	<i>Grade</i>
<b>School</b>	Saif Al- Dawulah	U.A.E.	1982-1983	Tawjeehi	91.5%
<b>Undergraduate</b>	U.A.E. University	U.A.E.	1983-1987	BSc in Physics & Mathematics	V-Good
<b>Postgraduate</b>	The Queen's University of Belfast	Belfast U.K.	1987-1988	MSc in Opto-Electronic and Optical Information Processing	MSc
<b>Postgraduate</b>	The Queen's University of Belfast	Belfast U.K.	1989-1991	PhD in Physics	PhD

## Awards and Prizes Gained

- (1) A hand watch for the highest grade in the final year of the secondary school examination results in 1983.
- (2) A collection of some scientific books for my activity in the physics society as secretary, U.A.E. University 1986.
- (3) University-Industry Research Award ..... Queen's University of Belfast 1989
- (4) Lamor-University scholarship ..... Queen's University of Belfast 1990
- (5) University-Industry Research Award ..... Queen's University of Belfast 1990
- (6) Arab student aid international scholarship 1989-1991.
- (7) The Arab-British chamber foundation award 1990-1991.
- (8) A scholarship from the Palestinian Student Fund for the year 1990/91.

## Work Experience

- (1) Six month project for the completion of my MSc program was carried out in the industrial company, Central Electricity Generating Board (CEGB), Marchwood Engineering Labs., Southampton, U.K. from June to November 1988. The project title "***Design of optics and Stabilized Modulation System for Laser Scanning Hardcopiers***". The work was published in my Msc Dissertation and in an internal research report in the (CEGB) 1989.
- (2) **Demonstrator** in Level 'O' Physics laboratory, 1989/90, Queen's University of Belfast.

- (3) **Demonstrator** in the MSc laboratories, 1990/91, Physics Department, Queen's University of Belfast.
- (4) **Post Doctorate Research Fellow** in the Physics Department, Queen's University of Belfast. June 1991.- December 1992. I was involved mainly in supervising PhD student in the field of high T<sub>c</sub> superconductors and also I extend my research work in the field of emission and absorption spectroscopy of plasma produced by laser ablation of high temperature T<sub>c</sub> superconductor.
- (5) **Lecturer in the Physics** Department, Al-Azhar University of Gaza, 1-January 1993 - Now.
- (6) **Computer instructor** for most Microsoft products, at Continue Education Center, Al-Azhar University of Gaza, 1995-Now.

MS-Word, MS-Excel, MS-FrontPage, CorelDraw, PhotoShop, Macromedia Flash MX, Audio Editing Software and Video Editing Software,

## **Text Books Publications**

### **In Physics**

- (1) Series of lecture In General Physics, Mechanics: Principles and Applications, 2001.
- (2) Series of lecture In General Physics, Electrostatic: Principles and Applications, 2001
- (3) Text Book in How stuff works (3 parts) in press.
- (4) Series of lecture In atomic physics 2007.
- (5) Text Book special theory of relativity 2008.
- (6) 3 Text Books in Heat and Thermodynamics, Physics of Waves and Magnetism and Alternating Current.

### **In Computer**

- (1) Without instructor Series, DOS & Windows, (1996)
- (2) Without instructor Series, Microsoft Word 6, (1996)
- (3) Without instructor Series, Microsoft Word 97&2000, (2001)
- (4) Without instructor Series, Microsoft Excel 97&2000, (2001)
- (5) Without instructor Series, Corel Draw (2002)
- (6) Without instructor Series, PhotoShop (2003)
- (7) Without instructor Series, Flash MX (2006)
- (8) Without instructor Series, Video Editing with Premiere (2007)

## Positions and Duties

- (1) Head of the Physics Department, Al-Azhar University of Gaza, March 1993 - 1998.
- (2) Member of the Institute of Physics since 1993-1998.
- (3) Director of the Computer Center at Al-Azhar University, since December 1994 - 1998.
- (4) Editor of "Al-Oloom wa Al-Marifa" which is the first Arabic scientific magazine in Gaza 1994 - 1995.
- (5)
- (6) Member of the Continue Education Center at Al-Azhar University of Gaza.
- (7) Director of the Diploma studies in Al-Azhar University of Gaza, July 1996 – 2000.
- (8) Dean of the Faculty of Intermediate Studies at Al-Azhar University of Gaza 2000-2005.
- (9) Head of the Information Technology Unit (ITU) at Al-Azhar University of Gaza 2001-2005.
- (10) Head of the Palestinian Internet Association (PIA) 2001-2004.
- (11) Establishing the Physics Education web Site [www.hazemsakeek.com](http://www.hazemsakeek.com) June 2001.
- (12) Expert Educational Advisor for the Arab Woman Organization 2005 - 2006.
- (13) Academic Advisor in Palestine University for the academic year 2005 - 2006.
- (14) Establishing the Physics Academy web Site [www.physicsacademy.org](http://www.physicsacademy.org) September 2006.
- (15) Scientific Writer for "Zero One" Magazine in Jordan 2005 to 2007.
- (16) Scientific Writer for "F1" Magazine in Syria 2006 to 2007.
- (17) Administrator for the Arab Physics Forum.
- (18) Dean of the Admission and Registration of Al-Azhar University of Gaza 2006-2007.
- (19) Establishing the Scientific Translation Center [www.trgma.com](http://www.trgma.com) September 2008.
- (20) Editor-in-chief of Modern Physics magazine [www.modernphys.com](http://www.modernphys.com)
- (21) Member of Arab Science and Technology Foundation 2009.
- (22) Member of the board of trustess of Gaza University 2007.

## Training Courses

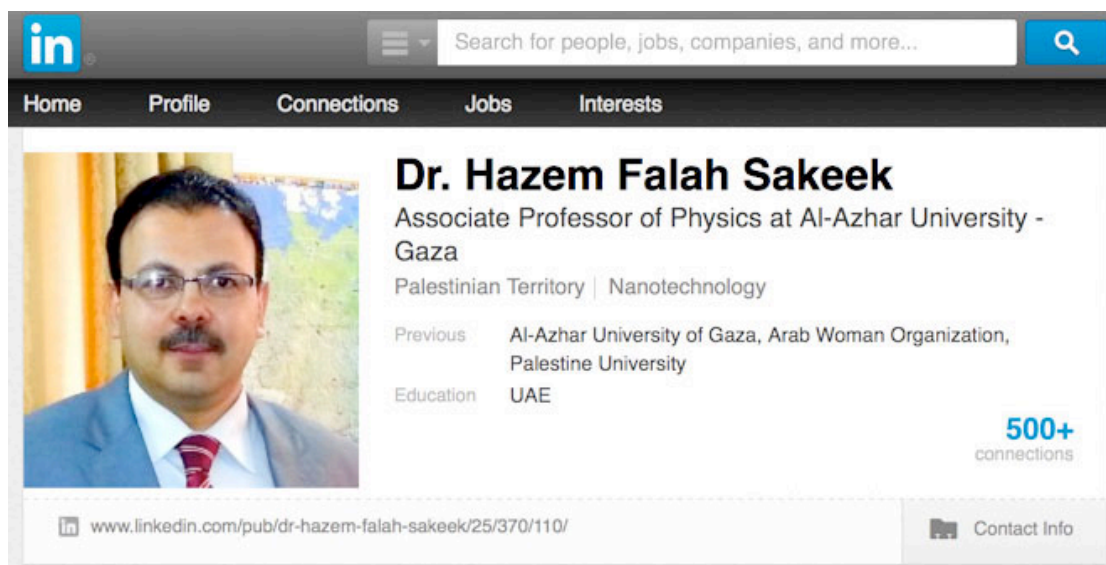
As a trainer I taught the following training courses:

	Course Title	Participant	Place	Year
1	Learn how to use a computer using MS-DOS and Windows.	30 Public	Continuing Education Center at Al-Azhar University-Gaza	1995
2	Using Word and Excel in speeding Up the work flow	30 Directors and Managers	Continuing Education Center at Al-Azhar University-Gaza	1995
3	Main instructor for Word, Excel, PowerPoint, CorelDraw, PhotoShop, Flash, WebPage Design		Continuing Education Center at Al-Azhar University-Gaza	1995-2000
4	Learn how to use a computer using MS-DOS and Windows.	30 Secretaris in governmental institutes	Government Computer Center	1997
5	The use of computer programs in the university administrative work	20 Directors, Managers and lecturers	Computer Center at Al-Azhar University-Gaza	1998
6	Advance Course in Excel	30 Accountants in non-governmental association	Accountants Association in Gaza, financed by USAID	2002
7	Computer Graphics Design using CorelDraw and Photoshop	25 advertising media	Continuing Education Center, financed by GTZ	2003
8	Skills in the use of computer programs (word, excel, PowerPoint, PhotoShop)	24 3 <sup>rd</sup> Year Physics Student	Science Faculty Computer Lab, at Al-Azhar University-Gaza	2009
9	Skills in the use of computer programs to produce excellent reports	15 Psychologists	Community Training and Crisis Management Center - Gaza	2010
10	Skills in optimizing your photos using PhotoShop	17 Photographers	Professionals Information Technology Co. Gaza	2011
11	10-lessons simplify the use of Photoshop	On-line Everybody	On-line (My channel on Youtube)	2013
12	Writing Your Dissertation with Microsoft Word	On-line Everybody	On-line (My channel on Youtube)	2014

## Scientific Activities

- (1) From 20/7/93 - 10/9/93 short visit to the Department of Physics, Queen's University of Belfast, U.K.
- (2) From 8/7/94 - 30/8/94 visit to the Department of Solid State Physics, Orsay University, Paris, France. Funded by the French Consulate - Jerusalem.
- (3) From 29/8/94 - 21/9/94 visit to the Department of Physics, Queen's University of Belfast, U.K. Funded by the British Council - Jerusalem.
- (4) From 23/7/95 - 20/9/95 visit to the Institute of Physics, Hamburg University, Germany. Funded by the DAAD scholarship.
- (5) From 21/6/1997 - 9/7/1997 attending Training course on Unix Operating System at the Government Computer Center, Ministry of Planning & International Corporation, Palestine.
- (6) From 9/11/1998 - 21/9/2000 attending a Training course on laser science and its applied Technology University of Cairo Egypt, including the participation in the 3<sup>rd</sup> International Conference On Laser & Applications Advances in Science, Medicine & Technology, Cairo 14-16/11/1998.
- (7) From 8/9/2000 - 19/9/2000 at Al-Balqa Applied University at Salt City, Jordan, Participate on the SESAME workshop machine (Synchrotron radiation source in the Middle East.
- (8) From 14/6/2010 - 10/9/2010 visit to the Institute for Materials & Surface Technology (IMST) HAW Kiel-University of Applied Sciences Grenztrasse 3, D-24149 Kiel, Germany, Germany. Funded by the DAAD scholarship.

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## Conferences Presentation

- (1) Third International Superconductive Electronics Conference, 25 - 27 June 1991. University of Strathclyde. "YBaCuO / PrBaCuO Multilayers by Excimer Laser Ablation" H. F. Sakeek, C. C. Smyth, C. M. Rowan, R. J. Turner, T. Morrow, W. G. Graham and D. G. Walmsley.
- (2) 3<sup>rd</sup> European Quantum Electronics Conference, 27 - 30 August 1991, Physics department, Heriot-Watt University, Edinburgh. "Superconducting films by excimer laser ablation and spectral characterization of the plasma plume". H.F. Sakeek, M. Higgins, C. Smyth, T.Morrow, W.G. Graham, and D.G. Walmsley.
- (3) 44<sup>th</sup> Annual Gaseous Electronics Conference, 22-25 October 1991 - Albuquerque, NM. "Optical absorption spectroscopy study of the role of plasma chemistry in YBCO pulsed laser deposition". W.G. Graham, H.F. Sakeek, T. Morrow, and D.G. Walmsley.
- (4) Irish plasma and beam processing group annual conference, 23-24 April 1992. International Microelectronics Research Center, Cork, Ireland " Optical absorption spectroscopy of YBaCuO plasma plume" . H.F. Sakeek, T.Morrow, W.G. Graham, and D.G. Walmsley.
- (5) Institute of Physics Condensed Matter and Material Physics conference, University of Sheffield, Sheffield, U. K. 15-17 December 1992. "Emission spectroscopy studies of the plume produced during YBaCuO thin film production by laser ablation". H.F. Sakeek, T.Morrow, W.G. Graham, and D.G. Walmsley.
- (6) The first Physics Conference, Islamic University of Gaza. 28 May 1994. "High Tc superconducting thin film by laser ablation". H.F. Sakeek.

## Publications

- (1) H. F. Sakeek, G.J. Malcom, and I.A. Armour, **A Feasibility study for a laser-scanning hardcopier**. Central Electricity Generating Board, Research report, December 1989.
- (2) H. F. Sakeek, M. Higgins, W.G. Graham, T.Morrow, R.J. Turner and D.G. Walmsley. **"Superconducting  $\text{YBa}_2\text{Cu}_3\text{O}_7$  thin films on MgO by KrF laser ablation: Optimization of deposition parameters"**. J. Appl. Phys. **70** 1991.
- (3) H. F. Sakeek, C. C. Smyth, C. M. Rowan, R. J. Turner, T. Morrow, W. G. Graham and D. G. Walmsley. **"YBaCuO / PrBaCuO Multilayers by Excimer Laser Ablation"**. Supercond. Science and Tech. **4** 613 1991.
- (4) D. G. Walmsley, H. F. Sakeek, T. Morrow, C. Rowan and R. J. Turner. **"YBaCuO films by excimer laser ablation"**. Material Science and Engineering-B13 15 1992.
- (5) H. F. Sakeek, T. Morrow, W. G. Graham, and D.G. Walmsley, **"Optical absorption spectroscopy study of the role of plasma chemistry in  $\text{Ba}_2\text{Cu}_3\text{O}_7$  pulsed laser deposition"**. Appl. Phys. Lett. **59** 3631 30 December 1991.
- (6) H. F. Sakeek, T. Morrow, W. G. Graham, and D.G. Walmsley. **"Emission studies of the plume produced during YBaCuO thin film production by laser ablation"**. J. Appl. Phys. **75** 1138 1994.
- (7) T. Morrow, H. F. Sakeek, A. El-Astal, W. G. Graham, and D.G. Walmsley. **"Absorption and emission spectra of the YBaCuO laser plume"**. J. of Superconductivity **7** 823 1994.
- (8) J. McLaughlin, H. F. Sakeek, P. Maguire, W. G. Graham, J. Molloy, T. Morrow, S. Lavery and J. Anderson. **"Properties of ZnS:Mn thin films prepared by 248nm pulsed laser deposition"**. Appl. Phys. Lett. **63** 1865 1993.
- (9) H. F. SAKEEK, T. DAUM ; R. SCHARNWEBER ; M. SCHILLING M. **"Magnetic-field dependence of microwave properties of ramp-type Josephson junctions with  $\text{PrBa}_2\text{Cu}_3\text{O}_7$  barriers"** Physica. C. Superconductivity 1996, vol. 258, no 1-2, pp. 1-8.
- (10) Jayasankar Mani , Hazem Sakeek , Salah Habouti , Matthias Dietze and Mohammed Es-Souni **"Macro-meso-porous  $\text{TiO}_2$ , ZnO and ZnO- $\text{TiO}_2$ -composite thick films. Properties and application to photocatalysis"** Catalysis Science & Technology Issue 2, 2012