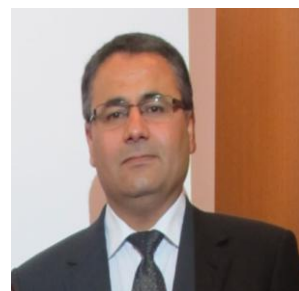


CURRICULUM VITAE

November, 2019



First name: KARAM

Middle name: MOHAMMAD HASAN

Last name: AWAWDEH

Birth date: November 14, 1972

Nationality: Palestinian

Cell-phone: Palestine (+970) 0599854810

[Email: karamawawdeh17@yahoo.com](mailto:karamawawdeh17@yahoo.com)

k.awawdeh@ptuk.edu.ps

karam@correio.ugr.es

EDUCATION

April, 2013 Ph.D degree from Department of Computers and Electronics, Granada University (Granada –Spain).

1. *Doctorate Syllabus:* Methods and Advanced Techniques in Physics.

Doctorate Thesis Title: Modelling Contact Effects and hysteresis in Organic Thin Film Transistors.

Grade: Outstanding Cum Laude.

December, 2010 2. Master in Methods and Advanced Techniques in Physics, Modelling Contact Effects in Organic Thin Film Transistors with the grade (B+)

April 2001 3. Master in Physics, Indoor Radon Gas in the South Region in West Bank Palestine. with the grade (B+)

February, 1996 4. Bachelor of Physics degree with an accumulative average of B+ at AL-Quds University (Abu-Dies – Palestine).

LANGUAGES

Arabic Good knowledge.
English Good knowledge.
Spanish Good knowledge.

RESEARCH VISIT:

A research period from May 25, 2019 to July 25, 2019, at the University of Granada-Spain “Universidad de Granada” working with our research group -Research group on electronic devices “Grupo de investigación en dispositivos electrónicos” in the Department of Electronics and Computer Technology “Departamento de Electrónica y Tecnología de Computadores”. *Training in the field of modulating the behavior of current-voltage characteristics of 2D transistors through work with research group* : Financial organization: Zamala Fellowship- Welfare Association (Taawon)

PROJECTS:

Determination of Natural Radioactivity Concentrations in Environmental Samples collected from Tulkarm and its villages by using RAD7 RADON DETECTOR” *The main objective of this research is to monitor the radon concentration levels in water resources and soil samples in Tulkarm province and examine the risk of radon pollution to human health and its contribution to increase cancer cases in Palestinian territories.* Financial organization: Palestinian Ministry of Higher Education and Scientific Research. During 2019-2020.

PUBLICATIONS:

Books

Manual Teaching Cases Scholastic - Under the Auspices of a Creativity Center for Teacher.

Papers

- Title: **Radionuclides Measurements in Some Rock Samples Collected from the Environment of Hebron Governorate -Palestine**
- Editor: Jordan Journal of Physics, Volume 9, Number 1, 2016. pp. 55-64.

- Title: **Concentration of Radon Gas in Palestine Technical University Buldings (Kadoorei)**
- Editor:
- Status: Under preparing.
- Title: **Determination of the Variation of the Trapped Charge in Organic Thin Film Transistors During Hysteresis.**
- Editor: Organic Electronics
- Status: Publications under processing.
- Title: **Compact Modelling and Contact Effects in Thin Film Transistors**
- Editor: IEEE Transactions on Electron Devices 2013, Vol. 61, pp. 266-277, February 2014.
- Title: **Characterization of Organic Thin Film Transistors with Hysteresis and Contact Effects.**
- Editor: Organic Electronics, Vol. 14, pp. 3286-3296, December 2013.
- Title: **Influence of the Contact Effects on the Variation of the Trapped Charge in the Intrinsic Channel of Organic Thin Film Transistors**
- Editor: Electron Devices (CDE), 2013 Spanish Conference on, pp. 1 – 4, Feb. 2013.
- Title: **Determination of Natural Radioactivity Concentrations in Natural Water Resources of Hebron Province, Palestine.**
- Editor: Hebron University Research Journal (A), Vol. 6, pp.19-33, 2012.
- Title: **Contact Effects in Compact Models of Organic Thin Film Transistors: Application to Zinc Phthalocyanine-Based Transistors.**
- Editor: Organic Electronics, Vol. 12, pp. 832 – 842, 2011.
- Title: **Compact Modelling of the Contact Effects in Organic Thin Film Transistors.**
- Editor: Electron Devices (CDE), 2011 Spanish Conference on, pp. 1 – 4, Feb. 2011.
- Title : **Indoor Radon-222 Concentration Levels Measurements in Yatta Dwellings During the Summer and Autumn Season of the Year 2008**

- Editor:
- Status: Publications under processing.
- Title: **Radionuclides Measurements in Some Rock Samples Collected from Hebron Suburbs During the Summer and Autumn Season of the Year 2008**
- Editor:
- Status: Publications under processing.
- Title: **Indoor ^{222}Rn concentration Measurements in Some Buildings of Hebron Province during the Winter Season of Year 2000**
- Editor: Radiation Protection Dosimetry; Vol. 123 Issue 2, p226, 2007.
- Title: **Measurement of ^{222}Rn concentration levels and calculation of exhalation rates in some dwellings of Dura city, Palestine**
- Editor: Al-Azhar Bull.Sci.Vol.18, No.2 (DEC): pp, 17-28, 2007.
- Title: **Indoor ^{222}Rn concentration Measurements in AL-AHLI Hospital of Hebron, Year 2000 and 2004.**
- Editor: Abhath AL-YARMOUK:Basic,and eng. Vol.17, No.1A, pp, 63-76, 2008.
- Title: **Measurement of ^{222}Rn concentration levels and calculation of exhalation rates in some dwellings of Yatta city, Palestine, University graduates Union Palestine Polytechnic University.**
- Editor: Energy and Environmental Protection in Sustainable Development ICEEP , 2007.

Conferences:

- Title: **Indoor Radon-222 Concentration Levels Measurements in Buildings at Palestine Technical University-Kadoorei during the Winter of 2016.**
- Sponsor: Sixth Palestinian Conference on Modern Trends in Mathematics and Physics PCMTMP-VI , August 2018 (5-8), Palestine Technical University –Kadoorie, Palestine
- Title: **Radionuclides Measurements in Some Rock Samples Collected from the Environment of Hebron Governorate -Palestine.**
- Sponsor: First Palestinian International Conference on Peaceful Uses of Atomic, February 19-20, 2017, Palestine Technical University –Kadoorie, Palestine

- Title: **Compact Modelling of the Contact Effects in Organic Thin Film Transistors.**
- Sponsor: Fifth Palestine Conference on Modern trends in Mathematics and Physics, July 31- August 2, 2016, Arab American University-Jenin, Palestine.
- Title: **Determination of the Variation of the Trapped Charge in Organic Thin Film Transistors during Hysteresis**
- Sponsor: Second Palestinian International Conference on Material Science and Nanotechnology (PICNM2016), An-Najah National University, Palestine.
- Title: **Influence of the Contact Effects on the Variation of the Trapped Charge in the Intrinsic Channel of OTFTs during hysteresis mechanisms.**
- Sponsor: Eighth Annual International Workshop on Advanced Materials (IWAM 2016), Medical and Health Sciences University, Ras Al Khaimah, United Arab Emirates (UAE).
- Title: **Influence of the Contact Effects on the Variation of the Trapped Charge in the Intrinsic Channel of Organic thin Film Transistors.**
- Sponsor: IEEE Proceedings of the 9th Spanish Conference on Electron Devices, CDE'2013, Spain.
- Title: **Modelling of Charge Injection in Organic/Polymeric Diodes.**
- Sponsor: ECS-223th Electrochemical Society, Meeting Abstracts, 2013, Canada
- Title: **Monitoring the Introduction of Impurities in Organic/Polymeric Diodes by the Analysis of Current Voltage Curves.**
- Sponsor: ICOE 2013-9th International Conference on Organic Electronics, Meeting Abstracts, 2013, Spain.
- Title: **Method of Extraction of Mobility Model Parameters in Organic Diodes**
- Sponsor: ICOE 2012-8th International Conference on Organic Electronics, Meeting Abstracts, 2012, Spain.
- Title: **Study of electrical phenomena in organic devices: solar cells, diodes, thin film transistors.**
- Sponsor: 4th EMUNI Research Soak the Euro-Mediterranean Student Research Multi-Conference, Meeting Abstracts, 2012, Spain.

- Title: **Contact Effects and Hysteresis in Organic Thin Film Transistors.**
- Sponsor: ECS-219th Electrochemical Society, Meeting Abstracts, 2011, Canada.
- Title: **Compact modelling of the contact effects in organic thin film transistors.**
- Sponsor: IEEE Proceedings of the 8th Spanish Conference on Electron Devices, CDE'2011, 2011. Spain.
- Title: **Towards a Compact Model for the Injection of Charge into Organic/Polymeric Semiconductors.**
- Sponsor: ISFE'10-3rd International Symposium on Flexible electronics, Meeting Abstracts, 2010, Canada.
- Title: **Energy and Environmental Protection in Sustainable Development ICEEP, 2007, Hebron, Palestine.**
- Sponsor: Union Palestine Polytechnic University, 2007, Palestine.
- Title: **Physics conference II.**
- Sponsor: AL- Quds University, 2000, Jerusalem, Palestine.
- Title: **Physics conference .**
- Sponsor: AL-Najah University, 1999, Nablus, Palestine.
- Title: **Physics conference I.**
- Sponsor: AL- Quds University, 1996, Jerusalem, Palestine.

WORKSHOP:

- **Particle Simulation of Charge Transport in Nanoscale System: From MOSFETs to Ion Channels workshop**, November 19-21, 2012, University of Granada
- **Electron Devices workshop**, February 8-11, 2011. IEEE Proceedings of the 8th Spanish Conference on Electron Devices.

PROJECTS OF INVESTIGATION AND DEVELOPMENT :

1. “Determination of Natural Radioactivity Concentrations in Environmental Samples collected from Tulkarm and its villages by using RAD7 RADON DETECTOR” The main objective of this research is to monitor the radon concentration levels in water resources and soil samples in Tulkarim province and examine the risk of radon pollution to human health and its contribution to increase cancer cases in Palestinian territories. Financial organization: Palestinian Ministry of Higher Education and Scientific Research.
2. A research period from May 25, 2019 to July 25, 2019, at the University of Granada-Spain “Universidad de Granada” working with our research group -Research group on electronic devices “Grupo de investigación en dispositivos electrónicos” in the Department of Electronics and Computer Technology “Departamento de Electrónica y Tecnología de Computadores”. Training in the field of modulating the behavior of current-voltage characteristics of 2D transistors through work with research group : Financial organization: Zamala Fellowship- Welfare Association (Taawon).
3. **2008-2014: “Modelling Contact Effects and hysteresis in Organic Thin Film Transistors”** Metal- Oxide- semiconductor- Organic Field- Effect Transistor (MOSFETs) for Cooperative Guidance of Computer and Electronic Department, Granada University Financial organization: Erasmus Del Mound's Lot3, 2009. Brussels University, Belgium.
4. **2002-2008: “Indoor Radon-222 Concentration Levels Measurements in Hebron Region”** (Radiation Map for Cooperative Guidance of Hebron University Staff). Financial organization: Hebron University, Hebron, Palestine.
5. **1999-2002: “Indoor Radon-222 Concentration Levels Measurements in South Region of West Bank”** (Radiation Map for Cooperative Guidance of Physics Department of AL-QUDS University, in Abu Dies Staff). Financial organization: AL-QUDS University, Abu Dies, Palestine.
6. **1991-1996: “Scintillation Counter”** ,AL-QUDS University, Abu Dies, Palestine.

THE STUDENTS PROJECTS THAT UNDER MY SUPERVISED

- Radionuclide Measurements (Winter Semester,2016-2017)

- Organic Thin film Transistor (Spring Semester,2015-2016)

- Organic Thin film LEDS (Spring Semester,2015-2016)

- Chemical Etching process for CR39 Detector (Spring Semester,2015-2016)

- Scintillation Counter (Winter Semester,2015-2016)

- Indoor Radon Gas Measurements (Winter Semester,2015-2016)

INTERNATIONAL ASSOCIATIONS MEMBERSHIP:

- *Since January 2011:* Member of “**Institute of Electrical and Electronics Engineers (IEEE)**”.

SKILLS:

Communication, Management, Teamwork, Negotiation and persuasion, Problem solving, Leadership, Organizational, Ability to work under pressure and confidence.

PROFESSIONAL EXPERIENCE:

- 1- Lecturer in Palestine Technical University-Kadoorie
2015-.....
- 2- Lecturer in Hebron University. Palestine, 2013-2014,
2014-2015.
- 3- Lecturer in Palestine Polytechnic University. Palestine,
2014-2015.
- 4- Lecturer in Palestine Polytechnic University. Palestine,
2013-2014.
- 5- Researcher in Granada University. Spain,
2009-2013.
- 6- Lecturer in Palestine Polytechnic University. Palestine,
2004-2005.
- 7- Lecturer in AL-QUDS Open University. Palestine,

2002-2008.

8- Lecturer in Hebron University. Palestine,
2001-2008.

9- Lecturer in AL-QUDS Abu Dies University. Palestine,
1998-2001.

10- Teacher in school. Palestine,
1996-2008.

SPECIAL STUDIES:

1. Developing technical audio visuals.
2. Technical training trainers.
3. Technical methods of teaching civilians.
4. Internet workshop.
5. Trainer for teachers in first year of him behaves for teaching.
6. Creative and Innovative Education