

Maen Ishtaiwi

Curriculum Vitae

Physics Department
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Information

Date of birth September 20, 1984 Nationality Palestinian
Place of birth Nablus, Palestine Marital status Married
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Education

March, 2014 **PhD Degree in Electronics**, *Politecnico di Torino*, Turin, Italy.
November, 2010 **M.Sc. Degree in Electronics**, *Politecnico di Torino*, Turin, Italy.
May, 2007 **B.Sc. Degree in Physics / Minor Electronics**, *An-Najah National University*, Nablus, Palestine.
July, 2003 **Certificate of General Secondary Education Examination / Scientific Stream**, *King Talal Ben Abdullah Secondary Boys School*, Nablus, Palestine.

Academic Experience

July, 2015 - Present **Assistant Professor**, *Department of Physics, Faculty of Science, An-Najah National University*, Nablus, Palestine.
April, 2014 - May, 2015 **PostDoctoral Research Fellow**, *Department of Electronics and Telecommunications, Politecnico di Torino*, Turin, Italy.
September, 2011 - March, 2013 **Research Assistant**, *Department of Electronics and Telecommunications, Politecnico di Torino*, Turin, Italy.
April, 2010 - July, 2011 **Teaching Assistant**, *Department of Electronics and Telecommunications, Politecnico di Torino*, Turin, Italy.
Teaching the Electromagnetic Compatibility Lab.
July, 2007 - August, 2008 **Teaching and Research Assistant**, *Department of Physics, An-Najah National University*, Nablus, Palestine.
Teaching General Physics Labs.

Professional Positions

August, 2018 - Present **Dean, Faculty of Science, An-Najah National University**.

July, 2016 - **Head of Physics Department, An-Najah National University.**
 August, 2018

November, 2016 - **Coordinator of PhD Program of Physics, An-Najah National University.**
 August, 2018

November, 2016 - **Coordinator of Master Program of Physics, An-Najah National University.**
 August, 2018

Honours and Awards

- ECSA Best Paper Awards, at the International Electronic Conference on Sensors and Applications (ECSA), 2014
- Winner of Research Assistant Grant, Politecnico di Torino, Turin, Italy, September, 2011 – March, 2013
- Winner of TOPMED program scholarship during the M.Sc period, Politecnico di Torino, Turin, Italy. Master of Science, Electronic Engineering. September, 2008 - November, 2010
- Honor's Collage (Top One), An-Najah National University, Nablus, Palestine, B.Sc., Physics / Minor Electronics.

Professional Skills

Computer Skills

- Algorithms: Matlab, Scilab
- Operating Systems: Windows, Unix/Linux
- Applications: Quite Universal Circuit Simulator (QUCS), Multisim, Circuit Wizard, AWR Microwave Office (MWO), L^AT_EX, Cadence Environment to design circuit, IDRISI Environment and presentation software, HFSS software, FESEM-EDS software

Languages

- Arabic: Mother Tongue
- English: Very Good
- Italian: Good

Publications

- Sabrina Grassini, **Maen Ishtaiwi**, Marco Parvis and Alberto Vallan, "Design and Deployment of Low-Cost Plastic Optical Fiber Sensors for Gas Monitoring". In: SENSORS, vol. 15, pp. 485-498. ISSN 1424-8220
- **M. Ishtaiwi**, S. Grassini, M. Parvis, A. Vallan and G. Saviano, "Nano-textured POF Surfaces to Enhance the Sensitivity of Low Concentration HF Sensors". In: Procedia Engineering, Volume 87, 2014, pp. 248-251, DOI:10.1016/j.proeng.2014.11.648
- **Maen Ishtaiwi**, Marco Parvis, Sabrina Grassini and Alberto Vallan, "Innovative Low-Cost Plastic Optical Fiber Sensors for Gas Monitoring". In: Conference Proceedings Paper - Sensors and Applications, International Electronic Conference on Sensors and Applications, 1-16 June 2014

- Sabrina Grassini, Emma Angelini, Marco Parvis, Simone Corbellini and **Maen Ishtaiwi**, “Electrochemical Characterization of Magnesium Bioabsorbable Implants”. In: 9th IEEE International Symposium on Medical Measurements and Applications, IEEE MeMeA 2014, Lisboa, Portugal, 11-12 June 2014. pp. 1-6, ISBN: 978-1-4799-2920-7, DOI:10.1109/MeMeA.2014.6860053
- S. Grassini, **M. Ishtaiwi**, M. Parvis, L. Benussi, S. Bianco, S. Colafranceschi and D. Piccolo, “Gas monitoring in RPC by means of non-invasive plasma coated POF sensors”. In: JOURNAL OF INSTRUMENTATION, vol. 7 n. 12, pp. 1-11. ISSN 1748-0221
- S. Grassini, **M. Ishtaiwi**, M. Parvis, L. Benussi, S. Bianco, S. Colafranceschi and D. Piccolo, “ SiO_x coated plastic fiber optic sensor for gas monitoring in RPC”. In: XI workshop on Resistive Plate Chambers and Related Detectors - RCP2012, Frascati, Italia, February 5-10, 2012. pp. 1-11
- **Maen Ishtaiwi**, Sabrina Grassini and Marco Parvis, “Research Priorities Report on Energy for Palestine”. Report for the EU within the PERA Project.

Conferences and Events

- PICNM2016, Nablus, Palestine, March 23-24, 2016. “Oral presentation, Development of Innovative Low Cost POF Sensors for Monitoring Chemical and Environmental Quantities”.
- GMEE2013, Trento, Italy, September 8-11, 2013. “Poster presentation, Misure Per La Corrosione– Interazione Di Lungo Periodo Materiale-Ambiente”.
- DET-day, Politecnico di Torino, Turin, Italy, September 26, 2012 “Poster presentation, Sensors and Instruments: Development and Metrological Characterization”.
- GMEE2012, Monopoli, Italy, September 2-5, 2012. “Poster presentation, Sensori in Fibra Ottica Plastica per la Misurazione di Grandezze Meccaniche”.
- The 20th International Conference on Plastic Optical Fibers, Bilbao - Spain, September 14-16, 2011, “Poster presentation, POF Sensors for Gas Pollutants Monitoring”.
- Second Physics Conference, An-Najah National University, Nablus, Palestine, May, 2007. “attending”.

Talks and Seminars

- “Seminar on PECVD coatings and on fiber optic sensors for environmental monitoring” for Tunisian researchers in the framework of European Research Projects - WATEREUS-MED project, June 2013, Castello del Valentino, Turin, Italy.
- “Seminar on Fiber Optic Sensor for Gas Monitoring” for Palestinian researchers in the framework of FP7 project PERA, February 2013, Politecnico di Torino, Turin, Italy.
- “Seminar on PLASMA Reactor Laboratory” for Jordanian researchers in the framework of FP7 project JOCHERA, November 2012, Politecnico di Torino, Turin, Italy.
- “Seminar on Monitoring System at Villa della Regina” for Jordanian researchers in the framework of FP7 project JOCHERA, March 2012, Castello del Valentino, Turin, Italy.

Courses Taught

An-Najah National University

- Electronics I
- Digital Electronics I
- Electrical Instrumentation
- Electronics Lab I
- Advanced Physics Lab
- General Physics I
- General Physics II
- General Physics Lab I
- General Physics Lab II
- General Physics Lab for Engineering College
- General Physics Lab for Students of Medicine and Life Sciences

Politecnico di Torino

- Electromagnetic Compatibility Lab (M.Sc. course)

Projects

- Project Member - PERA (Palestine for European Research Area) project, from March, 2011 – March, 2013
- Project Member - JOCHERA (Jordan Conservation of Cultural Heritage in ERA) project, from December, 2011 – November, 2013

Professional Activities

- Elected member of the Academic Council - Faculty of Science, An-Najah National University, from September, 2015 – July, 2016

References

References are available on request.