

# Muna Hajj Yahya

## Curriculum Vitae

Physics Department  
An-Najah National University  
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*"Success is the ability to go from failure to failure without losing your enthusiasm." – Winston Churchill*

### Information

Date of birth March 01, 1986 Nationality Palestinian  
Place of birth Tulkarem, Palestine Marital status Married  
Personal Page <http://staff.najah.edu/2650>  
ResearchGate [https://www.researchgate.net/profile/Muna\\_Hajj\\_Yahya](https://www.researchgate.net/profile/Muna_Hajj_Yahya)

### Education

June, 2015 **PhD Degree in Electronics**, *Politecnico di Torino*, Turin, Italy.  
Sept., 2012 **M.Sc. Degree in Electronics**, *Politecnico di Torino*, Turin, Italy.  
January, 2008 **B.Sc. Degree in Physics**, *An-Najah National University*, Nablus, Palestine.  
July, 2004 **Certificate of General Secondary Education Examination / Scientific Stream**, *Al-Adawiah Secondary Girls School*, Tulkarm, Palestine.

### Academic Experience

July, 2015 - Present **Assistant Professor**, *Department of Physics, Faculty of Science, An-Najah National University*, Nablus, Palestine.  
January, 2012 - May, 2015 **Teaching and Research Assistant**, *Department of Electronics and Telecommunications, Politecnico di Torino*, Turin, Italy.  
July, 2008 - Aug., 2009 **Teaching and Research Assistant**, *Department of Physics, An-Najah National University*, Nablus, Palestine.  
Teaching General Physics Labs (B.Sc. course).

### Honours and Awards

- Winner of Full PhD Scholarship, *Politecnico di Torino*, Turin, Italy, January, 2012 – May, 2015, [http://www.det.polito.it/en/personale/scheda/\(nominativo\)/muna.hajjyahya](http://www.det.polito.it/en/personale/scheda/(nominativo)/muna.hajjyahya)
- Winner of EDISU Piemonte Scholarship during the M.Sc period, *Politecnico di Torino*, Turin, Italy. Master of Science, Electronic Engineering. September, 2009 - September, 2011
- Honor's Collage (Top One), *An-Najah National University*, Nablus, Palestine, B.Sc., Physics. September, 2005 - September, 2007, <http://www.najah.edu/>

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## Professional Skills

### Computer Skills

- Algorithms: Matlab, Scilab
- Operating Systems: Windows, Unix/Linux
- Applications: Multisim, AWR Microwave Office (MWO), L<sup>A</sup>T<sub>E</sub>X, Cadence Environment to design circuit, HFSS software, FESEM-EDS software

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## Languages

- Arabic: Mother Tongue
- English: Excellent (written and spoken)
- Italian: Good (written and spoken)

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## Publications

- M. Giorcelli, P. Savi, M. Miscuglio, **M. Hajj Yahya** and A. Tagliaferro, “Analysis of MWCNTS/epoxy composites at microwave frequency: reproducibility investigation”. In: Nanoscale Research Letters, Vol. 9, pp. 1-5, ISSN 1931-7573, April. 2014
- Mauro Giorcellia, Patrizia Savia, Muhammad Yasir, Mario Miscuglio, **Muna Hajj Yahya** and Alberto Tagliaferro, “Investigation of epoxy resin/multiwalled carbon nanotube nanocomposite behavior at low frequency”. In: Journal of Materials Research, 01/2015, pp101-107; 30(01):101-107. DOI: 10.1557/jmr.2014.348

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## Conferences and Events

- **M. Hajj Yahya**, P. Savi, D. Canone, S. Ferraris. “Time Domain Reflectometry Coaxial Probe for Water Content Measurements of Soil”. In: 4<sup>th</sup> EGU Leonardo Conference: Hydrology and Society, Torino, Italy, November 14-16, 2012.
- M. Giorcelli, P. Savi, A. Delogu, M. Miscuglio, **M. Hajj Yahya** and A. Tagliaferro. “Microwave absorption properties in epoxy resin Multi Walled Carbon Nanotubes composites”. In: International Conference on Electromagnetics in Advanced Applications (ICEAA), Torino, Italy, pp. 1139-1141, September 9-13, 2013.
- M. Giorcelli, P. Savi, A. Naderi, **M. Hajj Yahya**, A. Tagliaferro. “Wide Band Microwave Characterization of MWCNTS/Epoxy Composites”. In: International Conference on Nano-Materials and Nanotechnology (Nano-M & T 2013), Annaba, Algeria, 17-18 November 2013
- M. Giorcelli, **M. Hajj Yahya**, M. Miscuglio, P. Savi, A. Tagliaferro. “Analysis of Epoxy/Carbon Nanotubes Composites with Different Aspect Ratio at Microwave Frequency”. In: International Conference on Thin Films, Dubrovnik, Croazia, 13-16 October, 2014.
- M. Miscuglio, **M. Hajj Yahya**, P. Savi, M. Giorcelli, A. Tagliaferro. “Characterization of nanocomposites based on MWCNTs for radar absorbing application”. In: XX Riunione Nazionale di Elettromagnetismo (RiNEM), Padova, September 15-18, 2014.
- M. Giorcelli, P. Savi, **M. Hajj Yahya**, A. Tagliaferro. “Comparison of wide band microwave properties of MWCNTs embedded in different polymer matrix: PDMS and Epoxy resi”. In: The twenty-second annual Conference on COMPOSITES/NANO ENGINEERING (ICCE22), Malta, July 13-19, 2014.

- M. Giorcelli, P. Savi, **M. Hajj Yahya**, M. Yasir, A. Tagliaferro. “Electrical characterization of MWCNTS/EPOXY composites at low frequency”. In: VII International Conference on Surfaces, Materials and Vacuum, Ensenada, Baja California, Mexico, October 6-10, 2014.
- M. Miscuglio, **M. Hajj Yahya**, P. Savi, M. Giorcelli, A. Tagliaferro. “RF characterization of polymer multi-walled carbon nanotube composites”. In: IEEE International Conference on Antenna measurements & Applications-Focus on Antenna Systems, Antibes Juan-les-Pins, France, November 16-19, 2014.
- M. Yasir, P. Savi, **M. Hajj Yahya**, M. Giorcelli, A. Tagliaferro. “Wide band characterization of MWCNTs Composites based on epoxy resin”. In: 14<sup>th</sup> Mediterranean Microwave Symposium, Marrakech, Morocco, December 12-14, 2014.

## — Talks and Seminars

- “Seminar Polymer/carbon based composites: production and characterization”. In: WORKSHOP 2015 Novels Materials and Devices (NOMAD) for NEMS, Torino, 26 Febraury, 2015.

## — Courses Taught

### An-Najah National University

- Communications
- Magnetic Instruments
- General Physics I
- General Physics Lab I
- General Physics Lab II
- General Physics Lab for Engineering College
- General Physics Lab for Students of Medicine and Life Sciences

## — References

- References are available on request.