

# CURRICULUM VITAE

## PERSONAL INFORMATION

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Name: Mohamed Mamdouh Mahmoud Ali.  
Address: Electrical Engineering Department, Faculty of Engineering,  
Assiut University, Assiut, Egypt.  
Date of Birth: December, 31, 1988, Assiut, Egypt.  
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## OBJECTIVE

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**Acceptance as a PH.D. Student.**

## EDUCATION

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- September 2011 – August 2013      **Faculty of Engineering Assiut University**  
*Master of Science in Electrical Engineering*  
Master thesis entitled  
    **“Design of Compact Ultra-wide Band Microstrip Antennas of Dual and Triple band Notched”**  
Ref. Prof. Elsayed Esam M. khaled.. The research supervisor.
- September 2010 – July 2011      **Faculty of Engineering Assiut University**  
Preparatory M.Sc courses
- September 2005 – July 2010      **Faculty of Engineering Assiut University**  
*Bachelor of Electrical Engineering “Communication” section*  
Grade: Excellent with Honor 85.52%  
Rank: 2<sup>st</sup>  
Project: "*Performance Evaluation of Medium Access Control Protocol in conjunction with Band width Provision in WiMAX System*"  
Project Grade: Excellent

## WORK EXPERIENCE

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- October 2013\_Now      **Faculty of Engineering Assiut University**  
Position: Research Assistant and Teaching Assistant  
Responsibilities:  
• M.Sc. Researcher in the field of Microwave and Antenna Design.  
• Provides a demonstration for students in the following subjects:  
    Digital Design Lab.      Electronic Design Lab.  
    Microwave Devices.      Electromagnetic Field.  
    Communication Lab.  
• Participates in Final year graduations projects:  
    ➤ Advanced secure communication System using higher order chaotic signal.  
    ➤ Design and Implementation of Compact Microstrip Antennas for Future Wireless Communications.
- March 2011 – August 2013      **Faculty of Engineering Assiut University**  
Position: Research Assistant and Teaching Assistant

## RESEARCH INTERESTS

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- **Design of Microstrip Antenna Array for Microwave Imaging and Phased Array Hyperthermia Treatment of Brain.**
- **Mm-Wave Antennas for the Future 5G Mobile Networks.**
- **Reflectarray Antennas design.**
- UWB microstrip antenna design.
- Microstrip band notch filter design.
- Communication system GSM, GPRS and WiMAX.
- Network Fundamentals.

## PUBLICATIONS

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### ➤ Journal Publications

1. N. Ashraf , O. M. Haraz , **M. M. M. Ali** , M. A. Ashraf, S. A. Alshebili , “Optimized Broadband and Dual-Band Printed Slot Antennas for the Future 5G Mobile Networks,” **Submitted to** *International Journal of Electronics and Communications*.
2. **M. M. M. Ali**, A. A. R. Saad, and E. E. M. Khaled, “Implementation and Justification of a Triple Frequency-Notched UWB Antenna Proximity Fed with Shunt Stubs,” *Microwave and Optical Technology Letters* Vol. 56, Issue 3, pp. 646-654, March 2014.
3. **M. M. M. Ali**, A. A. R. Saad, and E. E. M. Khaled, “A Design of Miniaturized Ultra–wideband Printed Slot Antenna with 3.5/5.5 GHz Dual Band–notched Characteristics: Analysis and Implementation,” *Progress In Electromagnetic Research B*, Vol. 52, 37-56, 2013.
4. A. A. R. Saad, **M. M. M. Ali**, and E. E. M. Khaled, “An Integrated 3G/Bluetooth and UWB Antenna with Frequency Band–notched Feature,” *Journal of Electromagnetic Waves and Applications*, Vol. 27, No.18, pp. 2430-2441, 2013.
5. A. A. R. Saad, **M. M. M. Ali**, and E. E. M. Khaled, “Prediction formulas of the notch frequency response of notch resonators loaded printed UWB antennas,” *IET The Journal of Engineering*, December 2013, 3 pp.

### ➤ Conference Publications

1. O. M. Haraz, **M. M. M. Ali**, A. Elboushi, A.-R. Sebak, “Four-Element Dual-Band Printed Slot Antenna Array for the Future 5G Mobile Communication Networks,” **Accepted in** *The 2015 IEEE International Symposium on Antennas and Propagation and USNC-URSI National Radio Science Meeting (AP-S/USNC-URSI)*, July 19-25, 2015, British Columbia, Canada.
2. O. M. Haraz, **M. M. M. Ali**, “A Millimeter-Wave Circular Reflectarray Antenna for Future 5G Cellular Networks,” **Accepted in** *The 2015 IEEE International Symposium on Antennas and Propagation and USNC-URSI National Radio Science Meeting (AP-S/USNC-URSI)*, July 19-25, 2015, British Columbia, Canada..
3. **M. M. M. Ali**, O. M. Haraz, S. Alshebeili and A-R Sebak, “Broadband Millimeter-Wave Rectangular Reflectarray Antenna Utilizing Novel Polarization Insensitive Multi-Resonant Unit Cells,” **Accepted in** *32nd National Radio Science Conference NRSC 2015, 6th of October city, Egypt*.
4. O. Haraz, **M. M. M. Ali**, S. Alshebeili and A-R Sebak , “Design of a 28/38 GHz Dual-Band Printed Slot Antenna for the Future 5G Mobile Communication Networks,” **Accepted in** *The 2015 IEEE International Symposium on Antennas and Propagation and USNC-URSI National Radio Science Meeting (AP-S/USNC-URSI)*, July 19-25, 2015, British Columbia, Canada..
5. **M. M. M. Ali**, O. Haraz, I. Elshafiey, S. Alshebeili and A-R Sebak , “Design of Dual-Band Phased Array Antenna System with Layered Cylindrical Human Tissue Model for Hyperthermia Treatment and

Microwave Imaging Applications," **Accepted in 32nd National Radio Science Conference NRSC 2015, 6th of October city, Egypt.**

6. **M. M. M. Ali**, O. Haraz, I. Elshafiey, S. Alshebeili and A-R Sebak , " Efficient SAR Localization for Hyperthermia Treatment of CancerCells by Applying a Dual-Band 8-Element Phased-Array ," **Accepted in The 2015 IEEE International Symposium on Antennas and Propagation and USNC-URSI National Radio Science Meeting (AP-S/USNC-URSI), July 19-25, 2015, British Columbia, Canada.**
7. **M. M. M. Ali**, O. Haraz, I. Elshafiey, S. Alshebeili and A-R Sebak , "Efficient Single-Band and Dual-Band Antennas for Microwave Imaging and Hyperthermia Treatment of Brain Tumors," **Accepted in 4th IEEE international conference on control system, computing and engineering (ICCSCE 2014), ParkRoyal Penang Resort, Penang, Malaysia, November 28-30, 2014.**
8. **M. M. M. Ali**, A. M. Azmy, and O. M. Haraz, "Design and Implementation of Reconfigurable Quad-Band Microstrip Antenna for MIMO Wireless Communication Applications," *The 31th National Radio Science Conference, Ain Shams University, Faculty of Engineering, Egypt, 28 – 30, April, 2014, pp. 27-34.*
9. **M. M. M. Ali**, O. M. Haraz, and E. E. M. Khaled, "Modified Rational Function Modeling Technique for Printed Monopole Antenna for UWB Applications", *The 2013 IEEE International Symposium on Antennas and Propagation and USNC-URSI National Radio Science Meeting (AP-S/USNC-URSI), Lake Buena Vista, Florida, USA, July 7-12, 2013., pp.646-647.*
10. **M. M. M. Ali**, A. A. R. Saad, and E. E. M. Khaled, "A Proximity-fed Elliptical-shaped Aperture UWB Antenna with Triple Band-rejection Property," *34th PIERS in Stockholm, SWEDEN 12-15 August, 2013, pp. 1028-1032.*
11. **M. M. M. Ali**, A. A. R. Saad, and E. E. M. Khaled, "A Microstrip-fed Printed Slot Antenna for 3G/Bluetooth/WiMAX and UWB Applications with 3.6 GHz Band Rejection," *34th PIERS in Stockholm, SWEDEN 12-15 August, 2013, pp. 645-649.*
12. A. A. R. Saad, **M. M. M. Ali**, and E. E. M. Khaled, "Curve-fitting Formulas for Fast Determination of Frequency Band-notched Response of UWB Antennas," *34th PIERS in Stockholm, SWEDEN 12-15 August, 2013, pp. 28-32.*

## CONFERENCES

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- Progress In Electromagnetic Research Symposium, PIERS 2013, Stockholm, SWEDEN, August 12-15, 2013.

## LANGUAGES

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- Arabic
- English
  - TOFEL with Score 83 (Reading 23, Listening 17, Speaking 20, Writing 23)

## TECHNICAL SKILLS

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- Matlab & Simulink
- PCB design, simulation, and fabrication.
- HFSS
- SPICE
- CST
- ADS

## SOFT SKILLS

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Attended the following Workshops in Assiut University Faculty and Leadership Development Center (FLDC)

- Effective Presentation
- Quality Standards in Teaching
- ICDL
- Use of Technology in Teaching
- Credit Hour System
- Conference Organization
- Time and Conference Management

## **References**

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- Prof. Elsayed Esam M. khaled, Electrical Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt. (esamk54\_2000@yahoo.com)
- Dr. Osama Mohamed Haraz Ahmed, Assistant Professor, Department of Electrical Engineering, Faculty of Engineering, Assiut University, Egypt. (osama\_m\_h@yahoo.com)

## **Google Scholar**

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[https://scholar.google.com/citations?user=YoFrc\\_EAAAAJ&hl=en](https://scholar.google.com/citations?user=YoFrc_EAAAAJ&hl=en)