CURRICULUM VITAE

Name: Ali Ahmed Younis Ibraheem

Contact Addresses

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Biographical Data:

Place of Birth	Assiut
Date of Birth	April 3th 1976
Nationality	Egyptian
Sex	Male
Marital Status	Married and have three children
Military service	Performed
Mother Language	Arabic
Other Languages	English

Education

December 2015 : Ph.D., Bradley Department of Electrical& Computer Engineering, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24060, USA

July 2005 : M. Sc., Department of Electrical Engineering, Assiut University, Egypt.

June 2000 : B. Sc., degree in Electrical engineering, Communications and Electronics from Assiut University with commutative average grade: very good with honour's degree (81.83%).

Ph.D. Thesis entitle : Implanted Antenna And Intra-Body Propagation for Wireless Body Area Networks**.**

M. Sc. Thesis entitle : Distribution of Specific Absorption Rate in Multi-Layered Models Of Human Body Due to the Radiated Field of Mobile phone.

B. Sc. Project entitle : Adaptive Filtter.

Professional Experience

Janurary 2020- tile now Coordinator of the Mechatronics and Robotics Engineering Program, Assiut University, Assiut, Egypt

March 2015- tile now Assistant professor , Electrical Engineering Department, Assiut University, Assiut, Egypt

July 2011 : December 2014 Ph.D. Student, Bradley Department of Electrical& Computer Engineering, Virginia Polyrechnic Institute and State University, Blacksburg, Virginia, USA.

August 2014: December 2014 Teaching Assistant, Bradley Department of Electrical& Computer Engineering, Virginia Polyrechnic Institute and State University, Blacksburg, Virginia, USA.

October 2005 – July 2011: Assistant lecturer, Electrical Engineering Department, Faculty of Engineering,Assiut University, Egypt

November 2000 - July 2005: Demonstrator, Electrical Engineering Department, Faculty of Engineering, Assiut University, Egypt

Teaching Experience

Teaching the following undercraduate courses at Assiut University, Egypt

- Electromagnetic Fields for 2nd Year Electrical Enegineering Department.
- Antenna and Wave Propgation for 3rd year Electronics and Communications Section, Electrical Enegineering Department.
- Microwave Circuits and Optical Fiber for 4TH year Electronics and Communications Section, Electrical Enegineering Department.
- Electric and Electronics Circuits for 2nd Year Mechanical Enegineering Department.
- Computer for 1st Year Miming Engineering Department.
- Electronics for 1st Year Mechatronics and Robotics Engineering program.
- Electronics Circuits for 2nd Year Mechatronics and Robotics Engineering program.
- Measurements and Instrumentation for 2nd Year Mechatronics and Robotics Engineering program
- Electric Circuits for 1st Year Mechatronics and Robotics Engineering program.
- Technical Writing and Presentaion for Mechatronics and Robotics Engineering program.
- Seminar for Mechatronics and Robotics Engineering program.
- Professional Ethics for Mechatronics and Robotics Engineering program.

Teaching the following postecraduate courses at Assiut University, Egypt

- Microwave Theory and Propgation (1)
- Microwave Theory and Propgation (2)
- Microwave Engineering
- Electromagnetic Compbitability

Teaching the following courses at Sohag University Egypt

- Antenna and wave propogation (1) for 2nd year Electrical Enegineering Department.
- Antenna and wave propogation (2) for 2nd year Electrical Enegineering Department.
- Microwave enginnering for 3rd year Electronics and Communications Section, electric Electrical Enegineering Department.
- Microwave Devices for 3rd year Electronics and Communications Section, Electrical Enegineering Department.
- Antenna and Wave Propgation for 3rd year Electronics and Communications Section, Electrical Enegineering Department

Supervising M. Sc. Degree for two students at Assiut University, Egypt

- Implanted antenna

Supervising B. Sc. Projects for undergraduate students at Assiut University and Sohage University, Egypt.

- Antennas for medical Applications

Assisted in teaching Open Engineering labs for undergraduate Student at Bradley Department of Electrical& Computer Engineering, Virginia Polyrechnic Institute and State University, Blacksburg, Virginia, USA

- ECE 2054 (Applied Electrical Theory Lab)
- ECE 2074 (Open Electronics Lab)
- ECE 3074 (Open Electronics Lab)
- ECE 3254 (Open Electronics Lab)

Assisted in teaching the following undergraduate courses at Assiut University, Egypt:

- Introduction to computer for prep. Year.
- Electromagnetic Fields for 2nd year Electrical Department.
- Wave Guide and Antenna for 3rd year ,Electronics and communication section, Electrical Department.
- Microwaves Theory for 4th year,Electronics and communication section, Electrical Department.

Assisted in teaching labs for undergraduate courses at Assiut University, Egypt:

- Electronic Labs for 1st and 2nd years, Electrical Dep.
- Microwaves Lab for 3rd and 4th years,Electronics and communication section, Electrical Department.

Assisted in supervising B. Sc. Projects for undergraduate students at Assiut University, Egypt.

- Practical Design and Study of a TV Receiver (2003-2004)
- Practical Design and Study of color TV Receiver (2005-2006)

Personal Experience:

Experience in Microwaves and Antenna.

Simulation Software

- High Frequency Strcture Simulators (HFSS)
- CST Simulator
- FEKO Simulator
- XFDTD Simulator

Computer skills:

- Microsoft Windows and Office .
- Matlab and Fortran.

Othe Experiences:

- Participation in preparing the internal Bylaw of the Faculty of Engineering, Assiut University 2021.
- Participation in preparing the internal Bylaw of the Mechatronics and Robotics Engineering program, Assiut University 2021.
- Participation in the committee of laboratories and scientific equipment Faculty of Engineering, Assiut University 2020.
- Participation in the College of Engineering obtaining a certificate of accreditation and local quality in 2011 and 2020
- Participation in the preparation of college files to obtain international accreditation (APET)
- Participation in the Education and Student Affairs Committee Faculty of Engineering, Assiut University 2019.
- Participation in the evaluation of the projects of high school and middle school students 2019.
- Participation in the Corea Tech Project which do the following:
  Develop the laboratories of the faculty of Engineering , Assiut University.
  Traning the Faculty members of the college of Engineering , Assiut University at the Corea Tech University.
  Develop the Local industries in Assiut.
  Fund the Gradution projects of the student.

Publications:

[1] AM Mahfouz, OM Haraz, AAY Ibraheem "Dual-turn electrically coupled loop antenna for gastrointestinal capsules" - Wireless Networks, 2021

[2] AM Mahfouz, OM Haraz, AAY Ibraheem - "A Miniaturized Dual Band Rectangular Spiral Loop Antenna for Biomedical Implants-2020 37th National Radio Science Conference (NRSC), 2020

[3] AM Mahfouz, AAY Ibrahim, OM Haraz " Triple-band electrically coupled loop antenna (ECLA) for biomedical implantation purposes" - 2018 35th National Radio Science Conference (NRSC), 2018

[4] Ali. Ibraheem and M. Manteghi, "Path Loss inside human body using Electrically Coupled Loop Antenna at different frequency bands," in Antennas and Propagation Society International Symposium (APSURSI), 2014 IEEE, 2014, pp. 977-978.

[5] Ali. Ibraheem and M. Manteghi, "Performance of Electrically Coupled Loop Antenna inside human body at different frequency bands," in Antennas and Propagation Society International Symposium (APSURSI), 2014 IEEE, 2014, pp. 975-976.

[6] Ali. Ibraheem and M. Manteghi, "Electrically Coupled Loop Antenna as an implanted antenna," in Radio Science Meeting (USNC-URSI NRSM), 2014 United States National Committee of URSI National, 2014, pp. 1-1.

[7] Ali. Ibraheem and. M. Manteghi, "Performance of an Implanted Electrically Coupled Loop Antenna inside Human Body," Progress In Electromagnetics Research, vol. 145, p. 8, 2014.

[8] M. Manteghi and Ali. Ibraheem, "On the Study of the Near-fields of Electric and Magnetic Small Antennas in Lossy Media," Antennas and Propagation, IEEE Transactions on, vol. PP, pp. 1-1, 2014.

[9] Ali A. Y. Ibraheem 'Implanted Antennas and Intra-Body Propagation Channel for Wireless Body Area Network'- 2014

[10] Ali Ibraheem, T Yang, M Manteghi 'Intra and inter-body cognitive communication system' Radio Science Meeting (Joint with AP-S Symposium), 2014

[11] Ali A. Y. Ibraheem, M Manteghi 'Intra-Body Propagation Channel Investigation Using Electrically Coupled Loop Antenna'Progress In Electromagnetics Research M, 2014

[12] E. M. El-Sayed, Adel M. K. Hashem, T. K. Abed-El-hamied, Ali A. Younis " SAR Distribution in Multi-Layered Cylindrical Models of Human Body Tissues due to Radio Waves Emitted by Mobile Telephony Stations", *Journal of Engineering Scince*, vol. 32, No. 5, PP. 2063-2076, 2004.

[13] O. M. Haraz, A. A. Younis, New Innovative Millimeter-Wave Antenna/Array Solutions for Future Next Generation of 5G Cellular Communications, The Second International Conference on Multidisciplinary Research ICMR, Red Sea (Egypt), 2018

Research interests

- Microwaves propagations and Antenna
- Biomedical Engineering
- Communication Systems

Awards:

- Mobinil Company Research Grant.
- Engineering Union award.

Language Skills

International TOEFL Score : **84[** Reading (21)-Listening (23)- Speaking (19)- Writing (21)]
GRE Score : [ANALYTICAL WRITING (3)- QUANTITIVE(780) -VERBAL (260)]

Referees:

Prof. Dr. E. M. El-Sayed

Professor

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Doctor

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