

- Education:**
- **Ph.D.**, Electrical Engineering, Electrical and Computer Engineering Department, University of Colorado at Colorado Springs, USA, Fall 2013.
  - **M.Sc.**, Electrical Engineering- Communication Division. Altahadi University, Sirte, Libya. July 2007.
  - **B.Sc.**, Electrical Engineering, Communication and Electronic Engineering Altahadi University, Sirte, Libya. July 1994
  - Theoretical and practical course of training in the Telephone System as installed at Brega Petroleum Marketing Company's Depot Facilities at Sareir by Joannou&Paraskevaides (overseas) Limited, October 1996.
  - Training about fiber optical (introduction, splicing, measurements,...) from Alcatel Co. in G.P.T.C. in Misurata, Libya. August 2006.

- Prizes:**
- University prize for third order of the B.Sc. in the Department of Electrical and Electronics Engineering, Altahadi University, 1994, Sirte, Libya.
  - Prize from First Conference of Small Projects, 1996, Tripoli, Libya.

- Technical Skills:**
- **Programming Experience:** Matlab, AutoCAD, LTSPICE, Ansoft, ADS, Sonnet, Microwind3, Programming with Visual Basic, Visual Basic, Assembly, Verilog.
  - **Operating systems:** DOS, Windows 98/NT/XP/ME/VISTA/ 7/ 8/10, Microsoft Office suite (Excel, Word, Power Point, Access, Outlook), Linux.
  - **Application knowledge:** Design VLSI Circuit by Microwand, Design Low/High/Band/Stop Filters by ADS and LTSpice, Design Single Cycle Processor by Verilog language, Design a Three and Six Bit Flash A/D Converter by LTSpice, FPGA, Design PCB by using LPKF, Microwave Circuit Design, Mixed Signal CMOS Circuit Design, Optical Fiber Networks, Computer Networks (LAN,WAN), Telephone Networks, BJT/FET/MOSFIT Transistors, Operation Amplifiers, Analog/Digital Instrument, Inductors/ Capacitors , Digital Design , Communication system design.

- Professional Experience:**
- Head of Electrical and Electronic Engineering Department Engineering Collage, Misurata University, Libya. August, 2020 – Present
  - Lecturer, Engineering Collage, Misurata University, Libya. Sep. 2018 – Present
  - Consultant at Al Hadatha International for Telecommunication and Information Technology. Oct. 2018 – Present
  - Post Doc., Researcher at RF and microwave circuits and Lecturer, University of Colorado at Colorado Springs, USA May, 2015 – June, 2018
  - Head of Academic Affairs, Libyan School of the United States of America and Canada. 2015-2016
  - Lecturer, Misurata University, Misurata, Libya. March, 2014 – April, 2015

- Lecturer (Part Time), Al Margeab University, Al Khums, Libya. 2014 – April, 2015
- Member of the Management Committee of the Libyan School in the United States of America and Canada. 2009-2012
- Head of the Department of Scientific Affairs at Zawai Higher Institute of Computer Technology. 2007 - 2008
- Staff in Zawai Higher Institute of Computer Technology 2006 - 2008
- Head of Electric Department of Higher Professional Centre for Trainees Preparing in Misurata, Libya 1999 – 2001
- Working as a Communication Engineer in General Posts and Telecommunication Company (G. P. T. C) in Misurata – Libya, the work has been in the copper wire telephone access network and optical fiber network. 1998 - 2008
- Programming and installation telephone operation (Switchboard) & Design and installation communication and computer networks. 1999 – 2008
- Design and supervision of Misurata optical fiber network project. 2006 - 2008
- Design and installation, electric networks for industry and homes. 2000 – 2008
- Worked a Chief of Electric Department at The Wenzrek Tourism Company. 1997-98
- Worked in Communication Department at The Brega Petroleum Marketing Company. 1996 – 1997
- Engineer Labs and Researcher at Faculty of Engineering of Altahadi University in Sirte – Libya. 1994 – 1996
- **Teaching Experiences:** Electric Circuit, Electronics, Mathematics, Engineering Drawing, Principal of Computer Science, Control System lab, Communication System, Digital Communication, Digital Circuit, Computer Architecture, Microwave Circuit Design, Electromagnetic Theory & Applications, Electromagnetic Effects in IC Design, Numerical Analysis Systems, Electric Networks, Digital Signal Processing, Antennas and Wave Propagation.

**Research Experience:**

- Research at different kind of antennas. Design and fabricated integrated circuits between Patch antenna and Band Pass Filters. April 2018
- University of Colorado at Colorado Springs  
Research at RF- circuits, Design and fabricated filters in microwave frequency by using ADS software to study dual band filters with tuning by using different kind of tuning elements. 2011-2013 & 2015- 2018
- University of Colorado at Colorado Springs  
Research in different kind of Switching, Wireless Networks. Spring 2011
- Project in “ Sand and Dust Storms Effects on Microwave Links, Case Study between Agedabia – to- Jalo “. M.Sc. Thesis. (The first study in Libya) July 2007
- Project in “Design satellite link and calculate the probability of error”. BSc project. July 1994

**Publications**

- Alfrgani, Z. and Aldeeb, H., " Tuning a Single and Dual Band Stop Filter By Using Spurline", The International Journal of Engineering & Information Technology (IJEIT), Vol. 6, No. 2, ISSN No. 2410-4256, pp. 55-58, March 2020.
- Aldeeb, H., Alfrgani, Z. and T. S. Kalkur, " Design Single and Dual Band Stop Filter By Using Spurline Structure", International Journal of Engineering Applied Sciences and Technology (IJEAST), Vol. 4, Issue 6, ISSN No. 2455-2143, pp. 48-52, Oct. 2019.
- Elhabashi, S., Elemgri, F., Aldeeb, H. and Elhabashi, B., "Effect of Sand Storms on the Microwave Links", 7<sup>th</sup> International Conference on Internet Technologies and Applications (ITA 17), Wrexham, North East Wales, UK, September 2017.
- Aldeeb, H and T. S. Kalkur, " A novel tunable dual-band bandstop filter (DBBSF) using BST capacitors and tuning diode", Progress In Electromagnetics Research C, Vol 67, 59-69 · January 2016.
- Hassan Aldeeb, "Effect of Dust and Sand Storms on Microwave Links in the Southeast Region of Libya" Almadar Journal for Communications, Information Technology, and Applications, Vol. 02, No. 01, APRIL 2015
- Hassan Aldeeb, "Tunable Dual-Band Band Stop Filter Individual By Using Tuning Diode", 2<sup>nd</sup> International Conference on Modern Trends in Science, Engineering and Technology 2014 (ICMTSET 2014), 10<sup>th</sup> & 11<sup>th</sup> September 2014. Dubai, UAE.
- Aldeeb, H and T. S. Kalkur, " Tunable Dual Band Filter with BST Capacitors", Integrated Ferroelectrics, Vol. 157, No. 1, 95-100, Jun 2014.
- Hassan Aldeeb, Sayeh Elhabashi and Amer Zerek, "Effect of Sand Storms on the Microwave Links", 2<sup>nd</sup> International Online Conference on Electrical Engineering (IOCEE2013), 29<sup>th</sup> to 30<sup>th</sup> October 2013. Kuala Lumpur, Malaysia.
- Hassan Aldeeb and Thootam S. Kalkur, " Tunable Multiband Band Stop Filters with Ferroelectric Capacitors", ISIF 2013 Conference, July 28-31, 2013. Grapevine, TX. USA.
- Hassan Aldeeb and T.S. Kalkur, " Tunable Coplanar Wave Guide Band Stop Filters", ISIF 2012 Conference, June 18-21, 2012.HK China.
- Hassan Aldeeb and S.M. Elhabashi, "Dust And Sand Attenuation of Microwave Signal in The Desert Area", Second International Conference on Image and Signal Processing and their Applications. Mohamed Khider University, Biskra, Algeria. December, 2010.
- Hassan A. Aldeeb and S.M. Elhabashi, "Chemical Composition of Dust and Sand in Libya ", First Minia International Conference on" INVESTMENT IN TECHNOLOGY ". Faculty of Engineering, Minia University - Minia, Egypt. May 2007
- Fourth Libyan Arab International Conference on Electrical and Electronic Engineering in Faculty of Engineering of Al-Fateh University in Tripoli, Libya. March, 2006.