



DAWAR AWAN

Lecturer

Department of Electrical Technology

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EDUCATION

PhD. Electrical Engineering, *In Progress*
University of Engineering and Technology, Peshawar, Pakistan

M.S. Electrical Engineering, May 2013
University of Engineering and Technology, Peshawar, Pakistan

B.S. Electrical Engineering, Feb 2010
CECOS University of IT and Emerging Sciences, Peshawar, Pakistan

AWARDS AND ACHIEVEMENTS

- **Best Undergrad Final Year Project Supervisor 2015**, Electrical Engg. Dpt., CECOS University.
- **Best Undergrad Final Year Project Supervisor 2016**, Electrical Engg. Dpt., CECOS University.
- **Silver Medal**, BS Electrical Engineering Batch 2005-2009.
- **3rd Position**, Antenna Design Competition, NUTEC, FAST-NU, Peshawar, 2008
- **Merit Based Scholarships**, during BS Engineering, CECOS University.

TEACHING INTERESTS

Basic and Advanced Mathematics Courses; Signal Processing; Antenna Theory; Programming.

RESEARCH INTERESTS

Smart Antennas (Algorithms + Antenna design); Microwave Imaging; Bioinformatics.

EXPERIENCE

- **Lecturer, Department of Electrical Technology**, Sep 2016 – Present
University of Technology Nowshera, KPK, Pakistan
- **Lecturer, Electrical Engineering Department**, Dec 2012 – Sep 2016
CECOS University of IT and Emerging Sciences, Peshawar, Pakistan
- **Lab Engineer, Electrical Engineering Department**, Nov 2010 – Dec 2012
CECOS University of IT and Emerging Sciences, Peshawar, Pakistan

SOFTWARE SKILLS

- **Programming:** C++, MATLAB, Python, Verilog HDL, NI LabVIEW
- **EM Simulation:** CST MWS, HFSS, Agilent ADS

- **Circuit Simulation:** NI MultiSim, Proteus, PSpice

RESEARCH PROJETS

- Investigation on The Use of Directional UWB Antennas for Lung Tumor Detection
- Gain Enhancement of Microstrip UWB Antennas

RESEARCH PUBLICATIONS (Conference)

1. Amir, Wajeeha; **Awan, Dawar**; Waheed, Arbab; Bashir, Shahid, "Use of Directional UWB antenna for Lung Tumor Detection" in *IEEE Loughborough Antenna and Propagation Conference*, Loughborough, UK, Nov 2017 [Accepted for Presentation]
2. **Awan, Dawar**; Ali, Husan Ali; Bashir, Shahid and Asif, Muhammad, "Relative Size Reduction Technique to Design Miniaturized UWB Antennas" in *Microwave and Millimeter Wave Tech.*, 9th Intl. Conf. on, June 5-8, 2016, Beijing, P.R China.
3. Ali, Husan; Zheng, Xiancheng; Wu, Xiaohua; Khan, Shahbaz; **Awan, Dawar**, "Frequency domain based controller design for dc-dc buck converter," *Applied Sciences and Technology (IBCAST), 2015 12th International Bhurban Conference on* , vol., no., pp.146,151, 13-17 Jan. 2015. doi: 10.1109/IBCAST.2015.7058495
4. Jan, Khadim Ullah; Bashir, Shahid; Ali, Haider; Khan, Muhammad Salman; **Awan, Dawar**; Shah, Ahmad, "Structural modification of mushroom EBG for wider band gap, reduced design complexity and compactness" in *8th European Conference on Antennas and Propagation (EuCAP)*. The Hague, Netherlands, 6-11 April 2014
5. **Awan, Dawar**; Bashir, Shahid; Wittow, William, "High Gain Cavity Backed UWB Antenna with and without Band Notch Feature" in *IEEE Loughborough Antenna and Propagation Conference*, Loughborough, UK, 11-12 Nov 2013
6. **Awan, Dawar**; Bashir, Shahid; Riauka, Nerijus, "Parametric Study of UWB Antenna Loaded with Stacked Parasitic Patch and Reflector" in *IEEE Loughborough Antenna and Propagation Conference*, Loughborough, UK, 11-12 Nov 2013
7. **Awan, Dawar**; Bashir, Shahid; Khan, Safdar Nawaz; Ali, Husan, "Gain enhancement of UWB antennas with and without band notch feature," in *IEEE Antenna Technology (iWAT), 2013 International Workshop*, Karlsruhe, Germany, on, pp.344,347, 4-6 March 2013

RESEARCH PUBLICATIONS (Journal)

1. **Awan, Dawar**; Bashir, Shahid; Ahmad Abbasi. Nisar; and Ali, Husan, "Printed UWB Antennas having Band Notch Feature: A Review," *Proceedings of the Pakistan Academy of Science*, vol. 52, no.1, pp. 39-52, PAS, March 2015. (HEC's recognized Category X journal)
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