

Professor Rabah W. Aldhaheeri

Professor, Electrical and Computer Engineering Department, King Abdulaziz University

Education

Degree	Field	Institution	Year
PhD	Elect. Eng. (Communication & Systems),	Michigan State University	1988
MS	Elect. Eng. (Communications),	Ohio University	1981
BS	Elect. Eng. (Comm. & Electronics),	King Saud University	1975

Academic Experience

From	To	Institution	Rank	Title	Full/Pt Time
1989	1995	King Abdulaziz Univ.	Assist Prof.		Full Time
1995	2006	King Abdulaziz Univ.	Assoc. Prof.		Full Time
2006	Date	King Abdulaziz Univ.	Professor		Full Time

Other Related Experience

- 1995-1996 Visiting Associate Professor, Michigan State Univ., EE Depart.
- 2000-2001 Visiting Associate Professor, Queensland University of Technology, Signal Processing Research Center (SPRC), School of Electrical and Electronic Systems Engineering, Australia
- Consultant to the ministry of interior in the project of digital trunk radio network.
- 2005- present: Member of the scientific and industrial committee in KACST.
- 2005 – 2007: Elected Chairman of Jeddah City Council.
- 2007 – 2011 : : Elected members of Jeddah City Council
- Member of the Graduate Studies Committee and representative of the Electronics and Communications Group.
- Chairman of the Electrical and Computer Engineering Department: 2005 – 2011.
- Chairman of Scientific Research and Society Service Committee.
- Head of the "Communication Systems and Networks" Research group.
- Founder and Director of Microelectronics Laboratory, Microwave Circuits and Fabrication Laboratory and FSS and Metamaterial Research Laboratory.
- Member of the technical committee of the E-Power Technical Exchange Meeting , 20-22 October 2003. This technical meeting is sponsored by Saudi Aramco.

Funded Research Projects during the Past three Years

1. **Principle investigator** of the strategic research entitled “Fabrication and Characterization of GaN-Based Nano-Structure Devices”, Advanced and Strategic Technologies Programs (8-NAN132-3), Budget = 2,000,000 Saudi Riyals.
2. **Principle investigator** of the strategic research entitled “Copper Strip Electromagnetic Bandgap Engineered Dual-polarized Antenna with High Directivity for Multi-purpose Sectorial Base Station Applications, Advanced and Strategic Technologies Programs (13-ELE369-03)
3. **Principle investigator** of the strategic research entitled “Development of compact printed planar antenna for broadband wireless communication,” Research Group Project # 3-135-35-RG.
4. **Principle investigator** of Research group Program entitled "Development of compact printed planar antenna for broadband wireless communication ", 3-135-35-RG, Completed.

Scientific and Professional Societies

- Associate Editor of the *Journal of Applied Sciences*.
- Member IEEE.

Principal Publications (Last 5 years)

1. Syed, Avez and **Aldhaheri, R.W.**, " A new Inset-fed UWB printed antenna with triple 3.5/5.5/7.5-GHz band-notched 1 characteristics," *Turkish Journal of Electrical Engineering & Computer Sciences*, Vol. 26, pp. 1190-1201, 2018.
2. Mannaa, Y., and **Aldhaheri, R.W.**, " Dual-Band Frequency Selective Surface for GSM Shielding in Modern Buildings", *Aljouf University Science and Engineering Journal, Special Issue*.ISSN:1658-6670, 2017.
3. Moinul Islam, Md, **Aldhaheri, R.W.**, Sheikh, M.M., Tariqul Islam, M., Samsuzzaman, Md Faruque, M.R. and Misran, N., "Microstrip line-fed monopole antenna on an epoxy-resin-reinforced woven-glass material for super wideband applications", *Science and Engineering of Composite Materials*. Vol. 24 (3), pp. 361-370, 2017
4. Moinul Islam, Md., Tariqul Islam, M., Iqbal Faruque, M.R., **Aldhaheri, R.W.** and Samsuzzaman, Md., "Design of a compact UWB antenna with a partial ground plane on epoxy woven glass material", *Science And Engineering of Composite Material*, Vol. 24(1), pp. 73-79, 2017
5. Syed, Avez and **Aldhaheri, R.W.**, " A Very Compact and Low Profile UWB Planar Antenna with WLAN-Band Rejection", *The Scientific World Journal*, Vol. 2016
6. Azim, A., **Aldhaheri, R.W.**, Sheikh, M., and Tariqul Islam, M., "An effective technique based on off-set fed patch to enhance the bandwidth of microstrip planar antenna " *Microwave and Optical Technology Letters*, Vol. 58, No. 5, pp. 1221-1226, 2016.
7. Ahsan, M R., Tariqul Islam, M., Habib Ullah, M., **Aldhaheri, R.W.**, and Sheikh, M.M., "A New Design Approach for Dual-Band Patch Antenna Serving Ku/K Band Satellite Communications", *International Journal of Satellite Communications and Networking*, Vol. 34, pp. 759-769, 2016.
8. **Aldhaheri, R.W.**, Babu, K.J., Syed Avez, and Sheikh, M., "A Novel UWB Rectangular Slot Disk Monopole Antenna with Band-Notch Characteristics," *Microwave and Optical Technology Letters*, Vol. 57, No. 10, pp. 2405-2410, 2015.
9. Hussain, M.A., Memic, A., Alothmani, N.S., **Aldhaheri, R.W.**, Al-hazmi, F., Alhadrami, H.A. and Khademhosseini, A., "Characterization of Fibrous Scaffold using Quantitative Nano-Mechanical Mapping Mode of Atomic Force Microscope, *International Journal of Basic and Applied Biology*, Vol. 2, No. 6, pp. 364-367, 2015.
10. M. R. Ahsan, M. T. Islam, M. Habib Ullah, **R. W. Aldhaheri**, and M. M. Sheikh, "Design of High Gain Slotted Patch Antenna with Defected Ground for WLAN/WiMAX Applications", *International Journal of Applied Electromagnetics and Mechanics*, Vol. 49, pp. 251-262, 2015
11. Tariqul Islam, M., **Aldhaheri, R. W.**, Ahsan, M. R. , Sheikh, M.M., and Habib Ullah, M., " Development of Meandered Strip Line-Fed Dual Band Patch Antenna for WLAN/WiMAX", *Electronica IR Electrotechnica*, 2015.
12. Talha, M.Y., **Aldhaheri, R.W.**, and Awedh, M.H., "Performance Study of Locality and Its Impact on Peer-to-Peer Systems," *Communications and Network*, vol. 7, pp. 12-20, 2015.
13. **Aldhaheri, R.W** and Alruhaili, I.S., " A Simple and Compact CPW-Fed UWB Antenna with WLAN Band Rejection," *19th IEEE Mediterranean Microwave Symposium (MMS2019)*, Oct. 31- Nov. 2, 2019, Hammamet, Tunisia.
14. Syed, Avez and **Aldhaheri, R.W.**, "Low Profile and High Isolation MIMO Antenna for WLAN Applications," *19th IEEE Mediterranean Microwave Symposium (MMS2019)*, Oct. 31- Nov. 2, 2019, Hammamet, Tunisia.
15. Mannaa, Y., and **Aldhaheri, R.W.**, " New Dual-Band Frequency Selective Surface for GSM Shielding in Secure-Electromagnetic Buildings Using Square Loop Fractal Configurations", *16th IEEE Mediterranean Microwave Symposium (MMS2016)*, November 14-16, 2016, Abu Dhabi, UAE.
16. Syed, Avez and **Aldhaheri, R.W.**, "A Cupcake Shaped CPW-Fed Printed Antenna for UWB Applications," *16th IEEE Mediterranean Microwave Symposium (MMS2016)*, November 14-16, 2016, Abu Dhabi, UAE.
17. Syed, Avez and **Aldhaheri, R.W.**, "A Compact Ultra Wide Band MIMO Antenna with Improved Isolation", *2015 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting*, July 19–24, 2015, Vancouver, BC, Canada.