

DR. RABAH W. ALDHAHERI*Professor, Dept. of Electrical and Computer Eng., King Abdulaziz University***Education**

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
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

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title (Chair, Full or Coordinator, etc.)</i>	<i>Part Time</i>
1989	1995	King Abdulaziz Univ.	Assistant Professor		Full Time
1995	2006	King Abdulaziz Univ.	Associate Professor		Full Time
2006	Date	King Abdulaziz Univ.	Professor		Full Time
2000	2001	Queensland University, Australia	Visiting Associate Professor		Full Time
1995	1996	Michigan State Univ., Depart	EE Visiting Associate Professor		Full Time

Non Academic Experience (including Consultations)

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position Description (Brief)</i>	<i>Full or Part Time</i>
2005	Date	KACST	Committee Member	Scientific and Industrial Committee	Part Time

Funded Research Projects and Patents from the Past Five Years

1. Principal 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. Principal 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. Principal Investigator of The Strategic Research Entitled "Development of Compact Printed Planar Antenna for Broadband Wireless Communication," Research Group Project # 3-135-35-RG.
4. Co-investigator of The Strategic Research Entitled "Synthesis and Characterization of Conductive Nano-Composites (enhanced Material) for Nano-Engineered Bone Tissue Engineering," Advanced and Strategic Technologies Programs (11-NAN1544-03)

Certifications and Professional Registrations

Current Membership in Professional Societies and Organizations

<i>Society/Organization</i>	<i>Rank</i>	<i>Member Since</i>
1. IEEE	Member	

Honors and Awards

Institutional and Professional Services *(administration, committees, units, etc.)*

1. Associate Editor of The Journal of Applied Science
2. Elected Chairman of Jeddah City Council (2005-2007)
3. Elected Member of Jeddah City Council (2007-2011)
4. Member of The Graduate Studies Committee and Representative of The Electronics and Communications Group
5. Chairman of The Electrical and Computer Engineering Department: 2005 – 2011

Principal Publications/Presentations from the Past Five Years

1. Hussain, M. A., Al-Othmani, N. S., and Aldhaheeri, R. W., "Nanoimaging: a Nanotechnology Perspective of Receptor-Ligand Interaction," Book Chapter Published In "Nanotechnology," ISBN: 1-62699-012-3, vol. 12, 2013.
2. Mobashsher, A., and Aldhaheeri, R., "Advancements and Prospects of forward Directional Antennas for Compact Handheld RFID Readers," Book Chapter Published In "Radio Frequency Identification," ISBN 978-953-51-1143-6, 2012.
3. Mobashsher, A., and Aldhaheeri, R., "CPW-Fed Folded Antenna with forward-Directed Radiation Patterns for Handheld Dual-Band RFID Reader Applications," Microwave Journal, vol. 57, Feb. 2014.
4. Banerjee, D; Adari, R; Sankaranarayan; Kumar, A; Ganguly, S; Aldhaheeri, R. W.; Hussain, MA; Balamesh, AS; and Saha, D, "Electrical Spin Injection using GaCrN In a GaN Based Spin Light Emitting Diode," Applied Physics Letters, vol. 103 Issue: 24, 2013.
5. Mobashsher, A., and Aldhaheeri, R., "An Improved Uni-planer Front Directional Antenna for Dual-band RFID Readers," IEEE Antenna and Wireless Propagation Letters, vol. 11, pp. 1438-1441, 2012.
6. Kamath, A., Patil, T, Adari, R., Bhattacharya, I., Ganguly, S., Aldhaheeri, R., Hussain, M., and Saha, D., "Double-Channel AlGaIn/GaN High Electron Mobility Transistor with Back-Barriers," IEEE Electron Device Letter, vol. 33, no 3, 2012
7. Patil, T, Pande, N., Adari, R., Suggiseti, P., Roarane, N., Ganguly, S., Aldhaheeri, R., Hussain, M., and Saha, D., "Cl₂/Ar Based Dry Etching of GaCrN using Inductive Coupled Plasma," Journal of Nanoelectronics and Optoelectronics, vol 7, pp. 1-4, 2012.
8. Aljehani A., Hussaini, M. A., Hussain, M. A., Othmani, N. S. and Aldhaheeri, R. W. "Effect of Electrospinning Parameters on Nanofiber Diameter Made of Poly (Vinyl Alcohol) As Determined By Atomic force Microscopy," Middle East Conference on Biomedical Engineering (MECBME-2014), 17-20 Feb., 2014

Recent Professional Development Activities *(Workshops, training, etc.)*