

CURRICULUM VITAE



1. Personal Details

Name : Abdullah A. Almuhausen
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Major Area of specialization: Electrical and Electronic Engineering

2. Education & Qualifications

Date	Degree	University name	Country	Title of the Dissertation
2012	PhD	Cardiff	UK	A Novel Approach for Wide Band High-Efficiency Power Amplifier Design
2007	MSc	Cardiff	UK	Implementation Signal Bias in Multilevel Digital Communication System using Software Defined Radio.
2001	BSc	KFUPM	KSA	Simulation of Binary Digital Modulation over Fading Channel.

3. Professional Activities:

Date	Job Title	Place	Country
Nov 2015- Dec 2019	Director of EARC Research Center	Engineering and Applied Sciences Research Center – MU University	KSA
Oct 2015 – present time	Vice-Dean for Quality & Development	College of Engineering – MU University	KSA
May 2014 – Sep 2018	Head of Department – Electrical Engineering	Electrical Engineering Department College Of Engineering, Majmaah University.	KSA
Feb. 2014 – present time	Assistant Professor	Electrical Engineering Department College Of Engineering, Majmaah University.	KSA
March 2012 - June. 2012	MMIC PA Designer	Centre for High Frequency Engineering, Cardiff University.	UK
March 2011 – Aug 2011	PA Designer	Studentship, REMEC Defense Inc. & Cardiff University	UK
April 2002 – April 2006	Communication Engineer	Transmission Dept., Communication Centre, Saudi Electric Company.	KSA
July 2001 – Sep 2001	Trainee Engineer	PCM Sec., Transmission Dept., Saudi Telecom Company.	KSA

4. Teaching Experiences:

- Electronics
- Analog and Digital Electronic Circuits
- Electromagnetics

5. Technical Experience

- Power amplifier design, manufacturing and characterization.
- Experience in microwave engineering, active and passive load-pull measurement systems.
- Operation and maintenance of fiber optic networks (PDH, SDH, Cx-Connection) and PCM equipments (Mux's).
- Project Specification and Commissioning for fiber optic equipments.
- Fiber Optic Operation & maintenance in Alcatel University Antwerp (Belgium), 2003, Alcatel Products: 1511BA, 1515 CXC, 1641SM, 1651 SM

- Fiber Optic Operation & maintenance in Alcatel Training Center (France), 2005, on Supervising the following Alcatel Products: 1322,OMSN,1353 SH,1354 RM Management System.
- Cisco Networks
- National Instrument's PXI- RF platform

6. Areas of Specialization

- RF transceivers
- Microwave Power Amplifiers

7. Languages

- Arabic (*mother tongue*).
- English
- French (*basic*).

8. Workshops Organized

- Organizing presentations of Supported Research – EARC Centre, MU, KSA, March 2019
- Chair – Publications of Supported Research , EARC Centre, MU, KSA , 18/3/2018
- Chair -TOASTMASTERS International Contest 2013 District 71/ Division J (Cardiff -UK)
- Organizer – Open source Technologies – 2011 (Cardiff – UK)
- Founder and president (2012/2013) of “Cardiff Toastmasters”, Cardiff, UK.

9. Workshops Presented

- Requirements for applying for funded research from MU and MoE, MU, KSA, April 2019
- Strategic Planning, presented on Dec 2017, MU, KSA
- How to prepare annual program report according to NCAAA, presented on Jan 2018, MU, KSA
- Participate in the many presentations in MU University, KSA:
 - ABET Accreditation
 - NCAAA Accreditation
 - Effective Assessment and Evaluation

10. Training & Courses

- Change Management, IPA, KSA, 10-12/8/1440H.
- TOT (Training of the Trainer), NUMU for training, KSA, 24-27/Feb 2019
- Application Expert of United Nation Sustainable Development Goals 2030 – Global Center for Sustainable Development –Regional CSR Network, KSA, 22-25 Oct 2018
- SWOT Analysis, MSG, 2018
- Certified Internal Assessor, King Abdulaziz Quality Award, KSA, March 2018
- Strategic Planning, IPA, KSA, 1437
- Measuring Learning Outcome, Public Education Evaluation Commission, KSA, Feb/2017
- Balanced Scorecard, IPA, KSA, 6/1437
- Positive Academic Leadership, Academic Leadership Center, MoE, KSA, Oct 2015
- Preparation for Trainers, MU, KSA, 1/1437H
- Preparing SSR for Academic Programs, Public Education Evaluation Commission, KSA, 6/1438H
- Stress Management , MU – 10/2/1436H
- Effective Leadership, Academic Leadership Center, MoE, KSA, 2014

- Requirements for Academic Accreditation Deanship of Quality and skills management , MU, KSA 22/6/1345H
- Five skills for Quality Assurance, MU, KSA – 27/6/1435H
- D2L Learning Management System – Deanship of Electronic and Distance Learning, MU – 6/7/1435H
- The Interpersonal and Strategic Bases for Effective Leadership – Academic Leadership Center, ministry of Higher Education -18 Nov 2014

11. Certificate of appreciation:

- Participation in Academic Internal Review, Quality Deanship – MU, 1439/1440H
- Participation for ABET Accreditation, CE – MU, 2017
- Participation in developing Master Program for Biomedical Engineering Program - MU, 2017
- Participation in Academic Internal Review (Science College), Quality Deanship – MU, 2017
- Participation in Academic Internal Review (Business Administration College), Quality Deanship – MU, 2017
- Outstanding performance in college of engineering - MU, 2017
- Outstanding performance in college of engineering - MU, 2016
- Appreciation as a Director for EARC Research Center – MU, 1437-1438H

12. Publications

International Conferences

1. AlMuhaisen, A.; Wright, P.; Lees, J.; Tasker, P. J.; Cripps, S. C. & Benedikt, J. Novel wide band high-efficiency active harmonic injection power amplifier concept Microwave Symposium Digest (MTT), 2010 IEEE MTT-S International, 664-667
2. AlMuhaisen, A.; Lees, J.; Cripps, S. C.; Tasker, P. J. & Benedikt, J. Wide band high-efficiency power amplifier design Microwave Integrated Circuits Conference (EuMIC), 2011 European, 184-187
3. Almuhausen, A. Implementation Signal Bias in Multilevel Digital Communication Systems Using Software Defined Radio. SIIC'2008, Leeds, UK.
4. Abdullah Almuhausen, 2012. A novel approach for wide band high-efficiency power amplifier design. PhD Thesis, Cardiff University.
5. Carrubba, V.; Clarke, A. L.; Woodington, S. P.; McGenn, W.; Akmal, M.; AlMuhaisen, A.; Lees, J.; Cripps, S. C.; Tasker, P. J. & Benedikt, J. High-speed device characterization using an active load-pull system and waveform engineering postulator Microwave Measurement Conference (ARFTG), 2011 77th ARFTG, 1-4
6. Canning, T.; Almuhausen, A.; Lees, J.; Benedikt, J.; Cripps, S. & Tasker, P. Utilization of RF I-V Waveform Load-Pull Information to Identify the Role FET Knee Profile has on Locating the Efficiency Maxima Microwave Measurement Conference (ARFTG), 2011 78th ARFTG, 2011.
7. Al-muhaisen, 2007. Implementation of signal bias in multilevel digital communication systems using software defined radio. MSc Thesis, Cardiff University.
8. Almuhausen, A. Signal Bias in Digital Communication Systems: Lap Lambert Academic Publishing
9. Y. Berrouche, A. Abo-khalil and A. Almuhausen. Quebec: a source of more than 5000MW of clean sustainable energy using Salinity Gradient Power technology. 2015 International Conference on Sustainable Mobility Applications, Renewables and Technology (SMART)

10. Y. Qasaymeh, A. Almuhausen and K. Issa. An Equivalent Resonance Model of Frequency Agile Quasi-Lumped Antenna. ICCAIS'2019, IEEE, 19-21 March 2019, Riyadh, Saudi Arabia.
11. Yazeed M QASAYMEH, Abdullah Almuhausen and Talha KAMRAN. Compact wideband series linear dielectric resonator array antenna. Turk J Elec Eng & Comp Sci. 2019, DOI: 10.3906/elk-1905-41

International Presentations

- IEEE, IMS 2010, Anaheim, USA.
- IEEE, EuMC 2011, Manchester, UK.

13. MAJOR RESEARCH PROJECTS UNDERWAY

- The development and research of adaptive RF-front-ends for future intelligent wireless communication systems
- Development and research of an electrosurgical portable device that offer high power density, high power efficiencies at microwave frequencies enabling a portable therapeutic systems.