

AMJAD FUAD HAJJAR*Associate Professor, Department of Electrical and Computer Engineering, King Abdulaziz University***Education**

<i>Degree</i>	<i>Field of Study</i>	<i>Institution</i>	<i>Year</i>
PhD	Electrical Engineering	Colorado State University	2001
MS	Electrical Engineering	Colorado State University	1997
BS	Electrical Engineering	King Abdulaziz University	1992

Academic Experience

<i>From To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title</i>	<i>Full or Part Time</i>
2001 Date	King Abdulaziz University	Associate Professor		Full Time

Non-Academic Experience (Including Consultations)***Funded Research Projects and Patents From The Last Five Years******Certifications and Professional Registrations******Current Membership in Professional Societies and Organizations***

<i>Society/Organization</i>	<i>Rank</i>	<i>Since</i>
i.		
ii.		
iii.		

Honors and Awards**Institutional and Professional Services**

2015-2018 Director, the Center of Excellence in Research Design and Industrial Production: A university center of excellence to promote designing and manufacturing through innovative research

2013-2018 Director, the International Cooperation Unit at the College of Engineering: A college level unit responsible for making visions and implementing special academic programs that encourage cooperation with international academia and industry

2011-2012 Head of The Academic Affairs and Summer Training Unit (AATU) at the College of Engineering: A college level unit responsible for all academic affairs, registration, counseling, and students summer training

2009 Head IT Unit, the Center of Excellence for the Environmental Consultations: A center of excellence responsible for environmental consultations and research

2006-2008 Member of the Nanotechnology Center: A university center responsible for technology transfer to Saudi Arabia

2005-2006 Member of the Reverse Engineering Unit: A unit at the college of Engineering to provide engineering skills and industrial knowledge for its students

2003-2006 President of the Internet & Technical Support Unit: A unit at the Center of Teaching and Learning Development to train/support faculty members in issues regarding computer applications, course website developing, and internet applications.

2003-2004 Organizer of the University Website Competition: A competition aiming for publishing course material and teaching methods on the internet

2002-2010 Member of Engineering ABET EC2000 Committee: A departmental committee responsible for maintaining the accreditation and providing consultations and necessary tools for staff members

2002-2005 Electrical Engineering Labs Supervisor: This includes looking for the 16 department labs needs, developing and requesting new equipment and intensively taking care of the Electronics Lab (updating its experiments for all the courses it serves)

2001-2002 President of CTLD Friends Unit: A unit at the Center of Teaching and Learning Development targeting the university professors to develop their skills in teaching and research. The goal of the unit is to encourage faculty members to participate in the Center's workshops, activities, and seminars

Principal Publications/Presentations from the Past Five Years

- [1] A. Hajjar, "Design and implementation of analog high order low pass differentiators," 4th International Conference on Engineering Technologies and Applied Science, Manamah, Bahrain, 2017
- [2] A. Subyani, A. Hajjar, "Rainfall analysis in the contest of climate change for Jeddah area, Western Saudi Arabia," The Arabian Journal of Geosciences, v 9, n 2, February 2016
- [3] A. Hajjar, M. Awedh, "Efficient Logarithmic Function Approximation," International Journal of Scientific Engineering and Technology, v 4, n 7, pp. 387-391, July 2015

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

2017-2018 Siemens Mechatronics System Certification Program Courses: Design and implementation of 3 pilot courses targeting the SMSCP levels 1, 2, and 3 certificates.

2018 SMSCP Level 1 Workshop: A weekend workshop to prepare industry engineers for the Siemens Mechatronics System Certification Program SMSCP Level 1. The workshops are given at the Automation Labs, King Abdulaziz University

2017 Ministry of Interior Workshops: A series of introductory workshops in the field of electronics, microcontrollers, and sensors focusing on robots. The workshops are given at the Automation Labs, King Abdulaziz University