Mohammad Awedh

Associate Professor, Department of Electrical and Computer Engineering, King Abdulaziz University

Education

Degree	Field of Study	Institution	Year
Ph.D.	Electrical and Computer Engineering	University of Colorado at Boulder	2006
MS	Electrical and Computer Engineering	University of Colorado at Boulder	1998
BS	Electrical and Computer Engineering	King AbdulAziz University	1987

Academic Experience

From To	Institution	Rank/Title	Full or Part Time
2017-present	King AbdulAziz University	Associate Professor	Full
2007-2017	King AbdulAziz University	Assistant Professor	Full

Non-Academic Experience *(Including Consultations)*

- *Consultant, Vice President of Academic Affairs, King Abdulaziz University (2019-present)*
- *Deputy Director, Center of Excellence in Intelligent Engineering Systems, King Abdulaziz University (2019-present).*
- *Vice Dean for Applications, Deanship of Information Technology, King Abdulaziz University (2016-2018)*
- *Vice Dean, Deanship of Information Technology, King Abdulaziz University (2012-2016)*
- *Vice Dean for Services, Deanship of Information Technology, King Abdulaziz University (2010-2012)*
- *Member of the Advisory Committee of Jeddah Community College (JCC), King Abdulaziz University (2011-Current)*
- *Head of Computer Information Technology (CIT) Department, Jeddah Community College, King Abdulaziz University (2008-2010)*
- *Member of the Founding Committee of the Faculty of Computing and Information Technology in Rabigh, King Abdulaziz University (2009-2010)*
- *Director of Information Technology Unit, Deanship of Community Service and Continue Education, King Abdulaziz University (2007-2008)*
- *Development of E-Learning program, Jeddah Community College, King Abdulaziz University.*
- *Implementation of Balanced Score Card (BSC), Deanship of Community Service and Continue Education, King Abdulaziz University.*
- *Design and development of ECE website, Department of Electrical and Computer Engineering, King Abdulaziz University.*
- *Research Assistant, ECE Department, University of Colorado at Boulder (Spring 2000/Spring 2006). Project: Proving More Properties with Bounded Model Checking*
- *Teaching Assistant, ECE Department, University of Colorado at Boulder (Spring 2004).*
- *Course: Switching and Finite Automata Theory*

- *Teaching Assistant, ECE Department, University of Colorado at Boulder (Spring 1999). Course: VLSI System Design*
- *Teaching Assistant, ECE Department, King AbdulAziz University (Spring 1994). Course: Fortran I*
- *Teaching Assistant, ECE Department, King AbdulAziz University (Fall 1993). Course: Fortran I*
- *Teaching Assistant, ECE Department, King AbdulAziz University (Spring 1993). Course: Fortran I*
- *Grader, ECE Department, University of Colorado at Boulder (Fall 1999). Course: Formal Verification of VLSI Systems*
- *Grader, ECE Department, University of Colorado at Boulder (Spring 2006). Course: Discrete Mathematics for Computer Engineering*
- *System Engineer, SAMAREC (ARAMCO) 1989 – 1994*

Funded Research Projects and Patents From The Last Five Years

- Semantics-Based Image Retrieval System for Medical Images
- Predicting the Effect of Student Field Selection in Higher Educational Institutes
- Assessment of Quality Measurement of E-government

Principal Publications/Presentations from the Past Five Years

- **Journal Papers**
  - Materials for future quantum dot-based memories, T Nowozin, D Bimberg, K Daqrouq, M Ajour, M Awedh, Journal of Nanomaterials 2013.
  - RFID and Face Recognition Based Security and Access Control System, A Affandi, M Awedh, MHA Alghamdi. International Journal of Innovative Research in Science, Engineering and Technology, Vol. 2, Issue 11, November 2013.
  - Game-based learning with native language hint and their effects on student academic performance in a Saudi Arabia community college, Bassam Zafar, Ahmed Mueen, Mohammad Awedh, Mohammed Balubaid, Journal of Computers in Education, November 2014.
  - Using Socrative and Smartphones for the support of collaborative learning, Mohammad Awedh, Ahmed Mueen,Bassam Zafar, Umar Manzoor, International Journal on Integrating Technology in Education (IJITE), Vol.3, No.4, December 2014.
  - Medical Image Classification Using Multi-Vocabulary, Ahmed Mueen, Abdullah AL-Malaise AL-Ghamdi, Bassam Zafar and Mohammad Awedh,Asian Journal of Applied Sciences, 2015.
  - Performance Study of Locality and Its Impact on Peer-to-Peer Systems,Mohammed Younus Talha, Rabah W. Aldhaheri, Mohammad H. Awedh,Communications and Network, February 2, 2015.
  - Efficient Logarithmic Function Approximation, Amjad F. Hajjar & Mohammad H. Awedh, International Journal of Scientific Engineering and Technology, issue no. 7 of volume 4. 2015
  - The Effect of Student Collaboration in Solving Physics Problems Using an Online Interactive Response System, Nuri Balta & Mohammad H. Awedh, European Journal of Educational Research, issue no. 3 of volume 6. 2017.
- **Publication Conference**
  - Electronic Attendance System Using NFC, Mohammad Awedh and Ahmed Mueen. Proceedings of TheIRES 3rd International Conference, July 5th, 2015, Dubai, UAE. (44-46)
  - Reconfigurable SPI Driver For MIPS Soft-Core Processor Using FPGA, Hesham Alobaisi, Saim Mohammed, Mohammad Awedh. Proceedings of TheIRES 3rd International Conference, July 4th, 2015, Dubai, UAE. (66-70)

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

- *Why Engineering? Engineering Gate: Engineering Technology*
- *An Introductory Presentation on the FPGA, Faculty of Engineering*
- *An Introductory Presentation on the IoT, Faculty of Engineering*
- *Hardware Security, Faculty of Engineering*
- *Formal Verification of Software systems, Deanship of IT*