

**Abdulghani M. Al-Qasimi**

*Assistant 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>
Ph.D.	Electrical Engineering	Colorado State University	1988
MS	Electrical Engineering	The University of Michigan	1984
BS	Electrical Engineering	King Abdulaziz University	1980

**Academic Experience**

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title</i>	<i>Full or Part Time</i>
1988	Now	King Abdulaziz University	Assistant Professor		Full-time
1980	1988	King Abdulaziz University	Teaching Assistant		Full-time

**Non-Academic Experience (Including Consultations)**

- Referee with KACST and other scientific entities for many of their scientific publications.
- Supervisor for many graduate students Master theses, since 1994.
- Undergraduate student advisor, since 1989.
- 2015–2016: Member of the ECE department’s academic program improvement committee at KAU.
- 2014–2017: Supervisor of the Information Systems Unit in the College of Engineering, KAU.
- 2010–2011: Part-time consultant with **Sabbagh Engineering** consultation firm to design and write specifications to meet the low-current system requirements for **smart building projects** that belongs to the Ministry of Interior.
- 2009–2011: Part-time consultant and supervisor of the first phase of the CCTV security project for the presidency of projects in **King Abdulaziz University**, during which I designed, and supervised the implementation of an enterprise scale project that involved 750 cameras in 23 buildings for the first phase.
- 2007: Member of the KAU’s Safety and Security committee.
- 2006–2010: Part-Time Consultant with **Gulf Sabir** consultation firm to design and write the specifications for IP-telephones, data network, computer room preparation and application hosting for **Abbar & Zaini trading company**, **Wadi Fatima Poultry Farm** and **Bakheet Company for Machinery Limited**.
- 2004–2007: Part-Time Consultant in the **International Medical Center (IMC)** in Jeddah for designing, contracting and supervising the implementation of the hospital’s low-current systems. I successfully commissioned the following systems:
  - Voice and Data Networks: Wiring (both optical fiber and UTP), data network equipment, WAN, LAN, data network security, PABX and IP telephony.
  - Auditorium Fully Automated Audiovisual Systems.
  - Hospital’s Nurse-call and Pager Systems.
  - Building Security Systems:
    - Building Management System.
    - Access Control and CCTV.
    - Child abduction prevention system.
  - Hospital’s Low-current systems full integration.
  - The Data Center: layout, power requirements & server sizing.
  - Wireless data and wireless VoIP voice network.
- 2003: Part-Time teaching consultant in the **MITM** – Jeddah private technology institute where I temporarily taught the A+ course for one semester until they hired their full-time staff.
- 2002: Part-Time Consultant for **Gulf Sabir** consultation firm to design and write the specifications for the e-learning project of the **Andalus private schools** in Jeddah.
- 2001–2003: Active member of the technical committee for KAU’s **eLearning** Project. During this period I designed the required hardware platforms, the required data communication network and security to sustain the

eLearning goals for interactive course delivery (data, voice, and video) over the internet to distance learning students and over the intranet for regular students.

- 2001: Member of the steering committee for the KAU Hospital Information System (HIS) project at the university hospital.
- 2001: Member of the IT workgroup for the Total Quality Project at KAU.
- 2001: The design and implementation of a new college of Engineering computer lab at KAU.
- 2000–2006: Head of the Internet network committee in the college of engineering, KAU. Since 1996 I was involved in developing the core college network. In this committee I was responsible for creating the college-wide physical data network and connecting it to the internet.
- 2000: Head of an investigative committee for the progress of the Hospital Information System (HIS) project at the King Abdulaziz university hospital.
- 2000: Member of the College of Engineering admissions committee at KAU.
- 1999–2005: Assistant head of the ECE department's Computer Group at KAU.
- 1998: Member of the College of Engineering Intranet network committee at KAU.
- 1997: Part-Time Consultant in **Basamah Company** for the design of their data center, fire alarm, access control, and data network.
- 1996: Part-Time Consultant in **Okaz Publication Est.** to design their data network, data base systems and other IT matters.
  
- 1991: Member in the consultation committee for the Scientific Equipment Maintenance project at **King Abdulaziz University**. During which I designed, programmed and commissioned a comprehensive, stand-alone at the time, database application for the maintenance and warehouse operations of the department using Oracle database under MS-DOS with Arabic support.
- 1989–2006: Head of the College of Engineering **Educational Computer Center** at KAU. During this period the computer center grew from a single lab of 20 isolated MS-DOS PCs to become a large distributed center with hundreds of networked workstations running Windows, Unix and Linux and spanning all five college buildings and providing many services and applications to all college students.
- 1989–2001: Member of the ECE department's student affairs committee at KAU for thirteen years.
- 1989–1994: Member of the ECE department's Lab Improvement committee at KAU for five years.
- 1989–1991: Member of the ECE department's academic program improvement committee at KAU.

#### ***Funded Research Projects and Patents From The Last Five Years***

#### ***Certifications and Professional Registrations***

#### ***Current Membership in Professional Societies and Organizations***

#### **Honors and Awards**

- First honor for B.Sc. Degree.
- Many Honorary Certificates from the head of Electrical and Computer Engineering Department at KAU.
- Honored by the rector of King Abdulaziz University for the efforts made in the eLearning program.
- Honored by the rector of King Abdulaziz University for the work done in developing the college of engineering computer labs and network.

#### **Institutional and Professional Services**

#### **Principal Publications/Presentations from the Past Five Years**

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