

# Curriculum Vitae

**SHAWKI ABDELFATTAH AHMED SAAD ABDELKADER**

## **PERSONAL INFORMATION:**

**Date of Birth:** 07-01-1969

**Nationality:** Egyptian

**Marital Status:** Married

## **Education:**

**2001-2007** Ph. D. Program on Communication Technology, Institute of Information Technology, Faculty of Engineering, University of Ulm, , Ulm, Germany. Ph. D. topic is " Signal Space Diversity Channel Estimation Methods for Vector-Valued Transmission).

**1994-1998** M. Sc. Degree in Telecommunication Engineering, Al-Azhar University, Faculty of Engineering, Cairo, Egypt. M. Sc. Topic is "Reducing Impairments in Communication Channels by Using Adaptive Filtering"

**1987-1992** Bachelor's Degree in Electrical communications and Electronics, Al-Azhar University, Faculty of Engineering, Cairo, Egypt.

## **Professional Training:**

- CDMA System Optimization Training Course from Motorola Inc.
- CDMA RF System Training Course from Motorola Inc.
- CDMA2000 1xEV-DO Training Course from QUALCOMM Inc.

## Work Experience:

- **October 1<sup>st</sup> 1993 – July 1998**

Working as a demonstrator in the Electrical Engineering Department, Faculty of Engineering, Al-Azhar University-Cairo-Egypt.

- **August 1998 - April 2001**

Working as a lecturer assistant in the Electrical Engineering Department, Faculty of Engineering, Al-Azhar University-Cairo-Egypt.

- **August 2001- February 2007**

Working as an assistant in Institute of Information Technology, University of Ulm, Ulm, Germany.

- **February 2007-2011**

Working as a lecturer in the Electrical Engineering Department, Faculty of Engineering, Al-Azhar University-Cairo-Egypt.

- **January 2012-present**

Working as an assistant professor in the Electrical Engineering Department, Faculty of Engineering, Baha University - Al-Baha – Saudi Arabia.

## Computer Skills :

**Operating System :** Unix, Linux, Windows

**Application :** Microsoft Office, Internet applications, Visio, Adobe Photoshop.

**Programming Language:** QBasic, C Programming, Matlab

**Simulation System:** CoCentric System Studio (CCSS),  
Matlab

<b><u>Language Skills :</u></b>	<b>Arabic</b>	Native language
	<b>English</b>	Good command of spoken and written
	<b>German</b>	Good command of spoken and written

**List of lectures already taken** (Through Ph. D. Program):

- Communication engineering I , Channel coding , Communication systems
- Communication engineering II , RF&Microwave engineering , Digital networks , Satellite communication, Advanced Wireless Multiuser Communication Systems

**Teaching Experiences:** Many subjects related to the Electrical Communication Engineering like:

- Analog Communication Systems
- Digital Communication Systems
- Digital Networks
- Optical Communications
- Electromagnetic Waves
- Advanced Wireless Multiuser Communication Systems
- Electrical and Electronic Measurements
- Light distribution and Illuminations
- Electronics I, II, III, and IV
- Wave shaping
- Engineering Math I, II, and III
- Numerical Analysis
- Linear Systems and Signals
- B. Sc. Projects supervision
- M. Sc. Master supervision

## **Research Interests:**

- Channel Estimation and Equalization.
- Multiuser Communications.
- Multiple-Input-Multiple-Output (MIMO) Communication Systems (Modeling, Encoding and Channel Estimation).
- Broadband Communication Systems.
- WiMax, WiFi and 5G Communication Systems.