

Faculty Vitae: Assmaa A. Fahad

1. Name : Assmaa A. Fahad

2. Education – degree, discipline, institution, year

- Ph.D. in Computer Science, University of Technology, 2015.
- M.Sc. in Computer Science, University of Baghdad, 1997.
- B. Sc. in Computer Science, University of Baghdad, 1991.

3. Academic experience:

- Faculty member in Baghdad University – College of Science – Computer Science Dept. , Assistance Professor, (1992 - to date), Full time.
- Part time lecturer of Computer Science at College of Engineering / Baghdad University/ Architecture Dept. (1992-1994).
- Part time lecturer of Computer Science at AL-Nahrain University / College of Science / Computer Science Dept. (2003-2005).

4. Non-academic experience:

- 1997-2000: Part time joined a programming team from the Ministry of Industrial and minerals to maintain several PLCs used in different factories in Iraq. The maintenance process includes: a reverse engineering for the PLC hardware in order to diagnose hardware errors and fix them, analyze the PLC functions to understand the used PLC kernel and rewrite the damaged parts of it.
- 1999-2001: Part time worked with a team of electronics and computer engineers in the Ministry of Industrial and minerals to design a Supervisory Control and Data Acquisition system, SCADA, for a power station, which is implemented in the BAIJI power station, The written SCADA system consists of seven models communicate between each others. My responsibility was the writing the Application Program Module that supports:
 - Power On Self Test (POST) programs.
 - Device drivers for the hardware components that require programming support such as watchdog timers, hardware interrupts, and variant I/O modules interfaces
 - Passing data back and forth between the various modules.
 - Communicate with other modules using HDLC communication protocol.All these programs are written and implemented to work in a high response time.
- 2001-2003: Part time Collaborate with a team from the Ministry of Industrial and minerals to support a PLC control system for some of the cement factories in the northern part of IRAQ. A GUI was built to the system, extra commands were added to the original PLC language to help the programming process, and the compiler was updated accordingly.

5. Certifications or professional registrations

- Cisco CCNA 1 "Networking Fundamentals" certificate as an instructor, January 2008.
- Cisco CCNA 2 "Routers and Routing protocols", certificate as an instructor, JUNE 2010.
- "First Faculty Exchange between Baghdad University and the United States Military Academy" From 4 August 2004 to 28 August 2004. West Point New York, USA.

- "Administrator Course in Baghdad University (Web/ E-mail / Java Courses)" for the project of establishment of IT infrastructure at University of Baghdad in Iraq. From 16 January 2005 to 5 February 2005. Organized by the Korea International Cooperation Agency (KOICA) and implemented by LG Cable Comp. Ltd. of the Republic of KOREA.

6. Honors and awards

A number of letters of appreciation and commendation from the Dean of the College of Science/ Baghdad University, and from the head of the Computer Science Department.

7. Service activities (within and outside of the institution)

- Examination Committee in the Computer Science Department / College of Science.
- The Deputy of the head of the Computer Science Department for under graduated students for both morning and evening study.
- The Deputy of the head of the Computer Science Department for under graduated students for morning study.
- The Deputy of the head of the Computer Science Department for Post graduate students.
- Part time as an instructor in Cisco Network Academy / College of science
- A head of Cisco Network Academy / College of science Baghdad University.

8. Briefly list the most important publications and presentations from the past five years

- "Building a Modern NEC Touch Pad System Software", Rasool A., the 10th International Arab Conference for Information Technology (ACIT), 15-17 December 2009, University of Science and Technologe, Sana'a, Yaman.
- "A Survey on Smart Phone Honeypot", Dr. Hanaa M. Ahmed, Dr. Nidaa F. Hassan, International Journal of Computers & Technology, USA, Vol. 11, No. 4, pp. 2476-2480, Oct. 2013.
- " Design Requierments of a Smart Phone Honeypot System", Dr. Hanaa M. Ahmed, and Dr. Nidaa F. Hassan, International Journal of Computer Application, USA, Vol 6, No. 4, pp 97-104, Nov. 2014.