

Al-Bara' W. Awajan

PERSONAL INFORMATION

Associate Professor Smart Systems Department/Cyber Security program

Artificial Intelligence Faculty

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Jordan

EDUCATION

2005-2008 University of Glamorgan Wales\UK PhD in Quality of Service for multimedia and real-time applications using Multi-criteria Decision Making methods

2003-2004 University of Glamorgan Wales\UK MSc in Multimedia and Internet Computing with Merit

1997-2001 Mutah University Karak\Jordan

BSc in Computer Science "GOOD"

1996-1997 Jafar Al-Taiyar High School Karak\Jordan

Tawjihi Degree "VERY GOOD"

WORK EXPERIENCES

14/4/2014 - present Al-Balqa Applied University Al-Salt\Jordan

Associate professor

I was promoted from assistant professor to associate professor in April 2014. I also have continued to lecturer students and do research in the related topics.

16/11/2019 –Present Al-Balqa Applied University Al-Salt\Jordan

Dean Assistant for Student affairs

I was appointed as dean assistant for student's affairs in the Faculty of Artificial Intelligence. Some of the main duties in my job were to interact with students in their academic and social university life. I was also responsible of the student union members for the faculty and I am responsible for the elections process in the faculty along with the dean. I have organised many workshops, presentations, training courses for the students. Also many scientific and entertainment visits were organized for the students. Furthermore, as dean assistant I was the

head of the regulation and investigation committee for the Faculty of Artificial Intelligence and Robotics.

16/11/2019 - Present

Al-Balqa Applied University

Al-Salt\Jordan

Head of Autonomous Systems department

I was assigned as head of department for the autonomous Systems department which was a new established department. the department contains two programs in this department, Virtual Reality Program and Artificial Intelligence and Robotics Program. As I am the first head of department we setting up and applying the main regulations in the department. Creating and updating website information to the new department. Meeting up with new students and explaining the department curriculum. Also initializing regular meeting with colleges and assigning department work load. In addition, preparing the annual academic and financial plan.

16/11/2019 - Present

Al-Balga Applied University

Al-Salt\Jordan

Member of the Cyber Security Program Smart Systems Department Artificial Intelligence Faculty

In the beginning of the academic year 2019/2020 I started a moved to the new established Faculty in the Cyber Security Program in the Smart Systems Department. The Smart Systems Department contains the Cyber Security program and the Data Science Program. In this department I worked with my colleges on the new Cyber Security Curriculum and create the vision and mission for the department.

1/7/2019 - 16/9/2019

Al-Balqa Applied University

Al-Salt\Jordan

Head of Computer Engineering Department

I was assigned as head of department for the summer term in place of the current head of department as he was on holiday vocation. In this period I was working on the new department curriculum as the faculty was updating all the department curriculums to include the latest topics in the modules taught. I also prepaid the next term modules for students to enrol on. In addition, preparing exam tables and leading the department meeting throughout this period. Also, organizing workshops and academic events for the students in new topics related to their field.

16/9/2016 - 16/9/2018

Al-Balqa Applied University

Al-Salt\Jordan

Head of Computer Engineering Department

I was appointed as head of computer engineering department and was assign many duties as this rule. I was responsible for the courses and modules in the department by assigning teaching loads to instructors and make the course schedule for students to enrol on. I was also responsible for all exams in the department and exam time schedules.

1/10/2015 - 1/10/2016

Al-Balqa Applied University

Al-Salt\Jordan

Computer engineering representative in the Faculty committee

In this period I was elected by my colleges to represent them in the faculty committee. The primary goal of this committee is to make decisions related to the faculty such as the establishment of new departments and plan for the faculty financial annual plan. The committee

members are also assign in sub committees to study different situations such as the scientific committee, business and industry committee and the rules and regulations committee.

1/10/2015 - 1/10/2016

Al-Balqa Applied University

Al-Salt\Jordan

Engineering Faculty representative in the university committee

I was elected by the faculty members to represent the faculty of engineering in the university committee where the most important decisions concerning the university were taken. The committee board is gathered two times every semester and discusses important decision like opening new course, health care and health insurance, university financial budget and so on.

6/9/2011 - 1/10/2015

Al-Balqa Applied University

Al-Salt\Jordan

Dean Assistant for Student affairs

I was appointed as dean assistant for student's affairs in the Faculty of Engineering. Some of the main duties in my job were to interact with students in there academic and social university life. I was also responsible of the student union members for the faculty of engineering and I am responsible for the elections process in the faculty along with the dean. I have organised many workshops, presentations, training courses for the students. Also many scientific and entertainment visits were organized for the students. Furthermore, as dean assistant I was the head of the regulation and investigation committee for the Faculty of Engineering.

8/9/2008 - 14/5/2014

Al-Balqa Applied University

Al-Salt\Jordan

Assistant Professor

I have been teaching in the computer engineering department since 2008. I have took many duties in this period such as chairman of the Student project and training committee,

Chairman of the department socializing committee, and Supervision of students

2006-2008

University of Glamorgan

Cardiff\Wales

Teaching assistant and lab tutor

Giving lectures in networks, web design, programming languages and mobile computing in the university as a part-time job. In addition, giving tutorials and training on software packages used by the undergraduate students

2006

University of Fribourg

Fribourg\Switzerland

COST290 exchange project

The objective of this project is to exchange knowledge and expertise between Universities in Europe. I was chosen to exchange places with a student from the university of Fribourge in Switzerland to complete part of my PhD in there university. I worked on implementing quality of service on MANETs using multiple constraints. In this study an enhances QoS algorithm was implemented and simulated using different QoS profiles. The tests have shown that the algorithms reacts will to different QoS profiles and can adapt to these profiles. At the end of the

project I have presented COST290 a full technical report about the exchange program and the project outcomes and contributions.

2006 Technological Educational Institute of Crete Crete\Greece
Intensive Program in Intelligent computer systems 3-14 July 2006

- The objective of the Intensive Program (IP) is to bring together students and academics from across Europe, in order to increase participants' exposure to Intelligent Computer Systems.
- All Institutions and participants involved in the IP already have some knowledge of the subject but none has the breath of knowledge covered by the span of cognate topics to be covered.
- For academics, the IP will be an event of mutual benefit, while for students it will seek to stimulate interest in research and practical application of the thinks learned to help solve real-world problems.
- The IP is primarily aimed at students in the final year of undergraduate degree and those
 in their first year of post graduate studies and at academics already working in one sector
 of the subject
- The salience of the material covered in the IP to fulfilling the need of many employers will enhance the employment prospects of students that participate. Moreover, the IP will provide students the opportunity to discuss with academics the possibilities for continuing and enhancing their studies by becoming involved in joint PhD initiatives that will be established between the participating institutions during the life of the IP.

2004 University of Glamorgan Wales\UK

MSc Thesis and Project

- Project aim and objectives were to create a multimedia database that will contain multimedia
 formats such as images, Audio, and video clips. This multimedia database is stored on a server (pc,
 laptop) and will be accessed via a handheld device through a wireless internet connection.
- The project investigated a way to provide a flexible mobile web application where the user can
 access the multimedia stored on the database reducing the amount of precious memory consumed
 on the mobile handheld device.
- The application was designed using Microsoft Mobile Internet Toolkit with Visual Basic .NET, and was connected to Microsoft Access Database.

2001-2003 Ministry of Administration Development Amman, Jordan
The National Institute of Training (NIT)

- Preparing training materials for computer training programs.
- Implementing training programs in computer skills; Ms Office, Visual basic, Windows XP, Internet.
- Coordinating computer training programs with public and private institutions.

2001 Mutah University / Aramex BSc Graduation Project

Amman, Jordan

- Visual Basic / Microsoft Access Application that stores and deals with customer addresses and locations.
- The project focus was to facilitate customer addresses retrieval for better customer service.
- The Application had Arabic / English user interface.
- The Application included full technical and user documentation.

Summer 2000 Aramex International Amman, Jordan
IT Trainee

- Deploying and Configuring Office Applications in large networks (>50 workstations).
- General Hardware Maintenance Tasks.
- Data Backup and restore operations.
- Training on Intranet Applications.

1999 Mutah University Karak, Jordan Student Union Member

- Basic training and guidance for student inside university computer labs.
- Preparing student targeted scientific seminars and exhibitions.
- Preparing student magazines and brochures.
- Preparing scientific trips.

PUBLICATIONS

- Albara Awajan, Khalid Al-Begain, Paula Thomas: (2008) Quality of Service Routing for Real-Time Applications Using the Analytical Hierarchy Process. UKSim 2008: 70-75
- Albalas, F. W.; Abu-Alhaija, B. A.; Awajan, A. W.; Awajan, A. A. & Al-Begain, K. (2010), 'Quality of Service for Multimedia and Real-Time Services.', IJITWE 5 (4), 1-22.

- Belal Mohammad Zaqaibeh, Firas Ali Albalas, Albara Awajan; Designing a New Assertion Constraints Model for Mobile Databases; International Journal of Interactive Mobile Technologies (iJIM), Vol 6, No 2 (2012)
- Awajan, Arafat Atwi, Nidhal Kamel Al-Omari, Al-Shalabi Hasan, and Albara W. Awajan. "E-Business Readiness of the SMEs in Jordan." International Journal of Management & Information Technology 4, no. 3 (2013): 334-341.
- Awajan, Albara W., et al. "Dynamic Path-Switching: A Multiple Constrained QoS Routing Algorithm for Manets." World Applied Sciences Journal 25.1 (2013): 01-08. Indexed in THOMSON REUTERS
- Awajan, Albara. "An Automated Taxi Booking and Scheduling System" EUROSIM13, The 8th EUROSIM Congress on Modelling and Simulation, Cardiff, Wales, September 2013, IEEE, 2013, ISBN: 978-0-7695-5073-2.
- Albara Awajan, Firas A. Albalas, Radwan S. Abujassar. "Enhance Recovery Schema in Proactive Protocol Over MANET by Computing a Backup Path".
 Australian Journal of Basic and Applied Sciences Vol 7, No 6 (2013). Indexed in THOMSON REUTERS
- Ahmad A. Twaissi, Mohammed A. Abuhelaleh, Bassam A.alqaralleh, Albara Awajan, "Path-Constrained Data Gathering Scheme". Global Journal of Computer Science and Technology Network, Web & Security GJCST Vol 13, No 12 (2013)
- Radwan S. Abujassar, Omar Almomani, Albara Awajan, Jafar Al-Zubi. "Dynamic Redundancy FEC for Supporting Video Delivery over IP Networks". Australian Journal of Basic and Applied Sciences, Vol 8, No 2 (2014). Indexed in THOMSON REUTERS.
- Hussein. A. Al-Ofeishat, Ali T. Khwaldeh, Mohammed Mahdi and Albara Awajan., Back-propagation and Radial Basis Function Neural Networks "A Comparative Study". Aust. J. Basic & Appl. Sci., 8(31): 576-581, 2015
- Wesam Almobaideen, Nadia Kubba, Albara W Awajan. FCSIP: fuzzy and cluster based SIP protocol for MANET. 2014 Eighth International Conference on Next Generation Mobile Apps, Services and Technologies (NGMAST). IEEE, 169-174.

TECHNICAL SKILLS AND EXPERTISE

Microsoft Office Excellent Visual Basic 6.0 Excellent HTML Excellent Java Script Excellent Director Excellent Pascal Excellent Python Excellent SQLExcellent VB.NET Excellent ADO.NET Excellent Mobile ASP .NET Excellent $C\C++\Java$ Excellent SCRATCH Excellent Photoshop Good Good Flash Assembly Good

INTERESTS

- Meeting People
- Sports: Table tennis, football.
- Travelling: I have been to Egypt, Syria, Saudi Arabia, Greece, Holland, Germany, Switzerland, France, Czech Republic, Italy, Scotland, England, Wales Spain and Turkey.