

IBRAHIM ALI AHMAD ATOUM

ابراهيم علي احمد عتوم

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PERSONAL DETAILS

Date of Birth: *01/08/1963*
Marital Status: *Married.*

Place of Birth: *Jarash/Jordan*
Other Dependents: *Four.*

Nationality: *Jordanian*

ACADEMIC & PROFESSIONAL

PhD in Computer Science **2007-2012**
University of Bradford / UK
(Expected Course End Date: December/2012)

The main focus of my research is developing an automatic detection method for solar filament, and tracking it, which requires designing an advanced image recognition technique to identify individual features on these images, tracking them, and then predicting coronal mass ejections which affect our planet through different influences on space weather, communication and military. C++ programming language is used to build this system from scratch.

Master in Software Development **1999 –2000**
University of Huddersfield /UK

A modular postgraduate course covering the latest techniques of software development. This includes rigorous software engineering approach and formal specification of software. The project title was "*Re-engineering an existing Dos Based Rental Package to Meet Current standards of flexibility and ease of use*".

B.Sc. Computer Science
Yarmouk University / Jordan**1981 - 1985**

A modular graduate course covering varieties of subjects, such as: Introduction to computers, Data structures, Databases, Digital Logic, Microcomputers & Microprocessors, and Programming Languages: Basic, COBOL, FORTRAN, and Assembly.

Publications

I.A. Atoum . R. S. Qahwaji . T. Colak . M. Ali (2012): Automated Algorithms for the detection and merging of broken filaments using neural network, Solar Physics. (SUBMITTED)

I.A. Atoum . R. S. Qahwaji . T. Colak . M. Ali (2012): Automatic technique for detecting the disappearance of solar filaments, Solar Physics. (IN PREPERATION)

Atoum, I. A., R. S. Qahwaji, T. Colak, and Z. H. Ahmed. (2009): *Adaptive thresholding technique for solar filament segmentation*, Ubiquitous Computing and Communication Journal, Vol. 4, No. 4, pp.

Books

Comprehensive e-book on computers, Publisher: Deanship of Scientific Research, Al-Imam Muhammad Ibn Saud Islamic University, Ref. Number: 14280050901, 2009.

Certificates

1. An Excellence Appreciation Certificate in **Quality Assurance** - Philadelphia University/Jordan.
2. Developing Windows Applications using C#.Net – **Microsoft**, 2004.
3. **PMP: Project Management Professional** Course.

A two weeks session on Project Management Professional (PMP) composed of 60 actual hours conducted by the Research and Consulting Service Institute at Information and Computer Sciences College in Al-Imam Mohammad Ibn Saud University/KSA. This session "Targeting research projects mangers and acting faculty members whom working in projects financed by King Abdullah City for Technology and sciences".

Courses Taught

1. *Software Engineering.*
2. Object Oriented Paradigm.
3. JAVA Programming.
4. C++ Programming.
5. Visual Basic Programming.
6. Problem Solving.
7. *Internet Technology.*
8. *Software Requirements.*

9. Introduction to Information Technology.
10. Internet and WWW.
11. Computer Skills.
12. Multimedia Systems.
13. Principles of operating systems.

RESEARCH INTERESTS:

1. Image Processing.
2. Solar Imaging.
3. Neural Networks.
4. Object Oriented Paradigm.
5. Software Engineering.

EMPLOYMENT HISTORY

- **University of Hail – Saudi Arabia/Full Time**
College of Computer Science and Engineering
From 1/9/2010 till now-
- **AL-Imam Muhammad Ibn Saud Islamic University- Saudi Arabia/Full Time**
College of Computer and Information Sciences
From 5/9/2007 -13/9/2009
- **Arab Open University / Part-Time**
Information Technology Department
From 5/9/2007 -13/9/2009
- **Philadelphia University (Jordan)/Full Time**
Faculty of Information Technology
Software Engineering Department
From 1/9/2001 -23/8/2006
- **Jerash Private University (Jordan)/Full Time**
Computer Science Department
From 15/2/2001 - 15/6/2001
- **Center For British Teachers (CFBT's)(Sultanate of Oman)/ Full Time**
Computer Instructor
Nov. 1996- Aug. 1998

Quality Assurance and Teaching Responsibilities

1. Supervising the Quality Assurance Unit (QAU) at the Faculty of Computer Science and Engineering. This includes implementing the following tasks.
2. Preparing and improving a full agenda for university colleges and department's committees, which manage their responsibilities and jobs according to the QA and teaching requirements.

3. Adopting a full description for all different committees according to the **QA** standards and policies.
4. Production of managing reports for the main roles of all committees to be submitted to the main **QA** committee.
5. Managing the coordination process among the department's level and faculty level committees. As example - supervision of many graduation projects. The practice of supervision consists of suggesting the project proposals, allocating the candidates; discussing the overall implementing process, preparing the project plan, determining the meetings dates and times, arranging the supervision meeting report, and submitting the all phases description to the **QA**.
6. Coordination of different courses including Java, C++, Internet and Computer skills. The process includes monitoring the contents of the course syllabus which is prepared according to the Quality Assurance (**QA**) requirements. In addition, held coordination meetings with the course tutors and a student representative to discuss the teaching process, textbook adopted, tutorials, assignments, exams, and the overall situation. As well the process also includes watching the exams content. All these coordination phases finished with preparing and submitting a coordination report to the Quality Assurance (**QA**) staff.
7. I have involved in different committees, especially Quality Assurance Management Committee at University Level, Faculty Level, and Department Level. The **QA** process is managed and monitored according to an agenda followed by all staff members to assure the quality of different teaching aspects. Different procedures to manage and monitor each aspect are in place with special forms were used for each aspect. The **QA** Management Process which I was involved in is a continuous process that depends on specified agenda set by the **UQA** (University Quality Assurance) committee. This agenda divides the term **QA** tasks into sub weeks tasks need to be achieved by all staff members and directed by the **QA** management officer.
8. Have the technical and educational aspects of using **Video Conference** facilities in Saudi Arabia Universities for teaching girls in the Female branches.
9. Develop and Deliver lectures in Information Technology, Both theory and practical.
10. Production of assessment tasks and assignments; to assess students work both formatively and summatively; I successfully developed high quality learning materials and use them effectively for students with a wide range abilities and skills.