AHMAD ALKHATIB

00962796822985
mailto:Hamadhcumm@yahoo.com

PROFILE

I am self-motivated and innovative professional looking for a new position with the focus on research and teaching. I have a proven background in telecommunications and network engineering, research, development and support for a variety of communication systems, smart choices and solutions.

As a natural leader, I have excellent communication skills and forms lasting working relationships with customers, colleagues and senior management, I have strong leadership skills, and continually ensure objectives are met on time and within budget.

I am passionate about teaching, research and maintaining high standards, as demonstrated by the success of my career to date and believe that I will add value to any business, as I have an excellent work ethics and excel in fast paced, high pressure working environments.

KEY KNOWLEDGE, SKILLS & EXPERTISE

- Wireless and wired communication fields, Mobile networking (1G to LTE), Satellite, Ad-hoc, sensor networks, optical, microwaves, antennas, signal processing and digital communications, Transmission, WSN, image processing, image sensing networks, mobile TV &DVB-H
- TCP/IP, Integrated Service network
- Optical fibre, GPON
- Enjoys problem solving and working in a team environment
- Matlab, C++, TCL, NS2
- Train The Trainer

- HEA STEM (Engineering): Workshop for postgraduate students who teach
- Project Management: Agile, ITIL, PMP
- Prince2
- Diet and Nutritional Advisor Diploma, Personal Fitness Trainer Diploma
- Cisco Certified Network Associated
- MS tools, Excel, Word, PowerPoint
- Strong background in Math, Physics

PROFESSIONAL QUALIFICATIONS & EDUCATION

University of South Wales   **Jan 2011 – Jan2014**
PHD by Research (TECH)

- **Research**
  'Wireless Sensor Networks for Forest Fire Detection'
  Wireless Sensor Networks are commonly deployed for early warning of forest fires to protect against potential crises. Advancing this technology by developing an innovative method to introduce a cheaper and more reliable automated approach to solve the global problem of forest fire detection and early warning.
- **IP protection and patent application**
  A major outcome of my individual investigations from my PhD work, sensor localisation, has been identified as a patentable material and the application is under preparation now. The unique contributions focused in providing sensor localisation using the basic node component without any additions, it resulted in reduced cost, reliable services, intelligent work in localising sensors and fires and extended the network life span almost 3 times of its original life time.
- **Funding**
  1. Part of this project has been funded by the Welsh Government (ESDF-Early Stage Development Fund).
  2. Another fund provided by A4B to produce a prototype as a proof of concept stage (POC) to introduce it to the market.

University of Technology, Sydney, Australia   **July 2009 – Aug 2010**
Master of Engineering Studies with Major in Telecommunication Engineering and Telecommunication networks
Yarmouk University, Jordan   **Sept 2003 – Aug 2008**
BSc in Engineering Technology with a major in Communication Engineering

PROFESSIONAL EXPERIENCE

Al Zytoonh University   **2014-present**
Assistant Professor

Jordan University of Science and Technology   **2013-2014**
Part time Lecturer

Arab Open University   **2013- 2014**
Visiting Tutor

University of Wales, Newport   **2012 – 2013**
Part time Lecturer
- Tutor for Network modules. Design, develop and deliver a range of programmes of study at various levels.
- Develop and apply appropriate teaching techniques which create interest, understanding and enthusiasm amongst students.
- Carry out lesson planning, preparation and research.
- Contact/teaching time with students, checking and assessing students' work and encouraging personal development via tutorial/pastoral work.
- Attending staff meetings and liaising with professionals and employers
- Undergrads projects supervision

ABS (Arab Broadcasting Services)   **Dec 2007 – Feb 2008**
Trainee Earth Station Engineer
- Set up the azimuth and elevation for parabolic antennas and entered the uplink parameters.

XPress Telecom, Jordan   **Oct 2007 – Dec 2007**
Trainee in RF Planning and Optimisation
- Performed signal and performance testing and reallocated RF resources to be best used by customers.

Orange (Jordan Telecom Group)   **Aug 2007 – Oct 2007**
Trainee in Landline and Internet Services
- Installed new internet and landline connection in customers' homes.
- Solved connection problems including cabinet and line testing.

PUBLICATIONS: Research interest covers the area of Wireless Sensor Networks (WSN) and Mobile Communication, Network Communication, Wireless Networks and Satellite Communication, WSN applications.

- Alkhatib, A.A., ' A Review on Forest Fire Detection Techniques', *International Journal of Distributed Sensor Network, Hindawi group*, Vol. 2014, 2014.
- Alkhatib, A.A., 'Wireless Sensor Network for Forest Fire Detection and Decision Making', *International Journal of Advances in Engineering Science and Technology (IJAEST),* Vol. 2, Issue 3, 2013.
- Alkhatib, A.A., 'Smart and Low Cost Technique for Forest Fire Detection using Wireless Sensor Network', *International Journal of Computer Applications (IJCA)*,Vol. 81, 2013.
- Alkhatib, A.A., Baicher, G.S., Darwish W.K. 'Wireless Sensor Networks- An Advanced Survey', International Journal for Engineering and Innovative Technology(IJEIT) V2, Issue 7, 2013.
- Alkhatib, A.A., Baicher, G.S., 'MAC Layer Overview for Wireless Sensor Networks', *2012 International Conference on Computer Networks and Communication Systems (CNCS 2012)*, Malaysia, 2012.
- Alkhatib, A.A., Baicher, G.S. 'Wireless Sensor Network Architecture' *2012 International Conference on Computer Networks and Communication Systems (CNCS 2012)*, Malaysia, 2012.
- Alkhatib, A.A., Baicher, G.S., 'Overview on Wireless Sensor Network'. , *2012 International Conference on Computer Networks and Communication Systems (CNCS 2012)*, Malaysia, 2012.
- Alkhatib, A.A., 'A Review on Wireless Sensor Networks Applications'. *The 2011 Conference of Innovation in Computing and Engineering Machinery (CICEM'11) - ACM Chapter Conference*, Amman, Jordan, 2011.

KNOWLEDGE EXCHANGE

- Open Seminars to the Graduate School and the Postgraduate Students at the University of Wales, Newport May 22 2012 [Seminar: Wireless Sensor Networks for Forest Fire Detection Systems](#) and [Mobile Networking Seminar](#).

- ' A Review on Forest Fire Detection Techniques' published in international journal of distributed Sensor Network, Hindawi group
  http://www.hindawi.com/journals/ijdsn/2014/597368/
- Smart and Low Cost Technique for Forest Fire Detection using Wireless Sensor Network' published in International Journal of Computer Applications(IJCA)
  http://www.ijcaonline.org/archives/volume81/number11/14055-2044
- Wireless Sensor Network for Forest Fire Detection and Decision Making' published in International Journal of Advances in Engineering Science and Technology (IJAEST)V2, Issue 3, 2013
  http://www.ijaestonline.com/admin/post_image/1383916870_Wireless_Sensor_Network_for_Forest_Fire_Detection_-_International_Journal.pdf
- Wireless Sensor Network- An Advanced Survey, Ahmad Abed Alhameed Alkhatib and Gurvinder Singh Baicher. Published in International Journal of Engineering and Innovative Technology (IJEIT), Volume 2, Issue 7, January 2013
  http://ijeit.com/vol%202/Issue%207/IJEIT1412201301_64.pdf
- MAC Layer Overview for Wireless Sensor Networks, Ahmad Abed Alhameed Alkhatib and Gurvinder Singh Baicher. Published International Proceedings of Computer Science and Information Technology http://www.ipcsit.com/vol35.htm
- Book: MAC Layer Overview for WSN
- International Conference on Advances in Computing, Communications and Informatics (ICACCI-2012) 3 – 5 August 2012
  www.icsem.org/SVConferenceProgram.pdf

EXTRA-CURRICULAR ACTIVITIES

- Cardiff Innovation Network
- Seminars such as Enterprise Europe Network and High performance Computing Wales

References available on request