



CURRICULUM VITAE

PART 1: PERSONAL INFORMATION

Name: LIAL RAJA ABDELKAREEM ALZABIN

ZCW ID: 428

Contact Information: Al Zahra College for Women. P.O. Box (3565), Postal

Code (111), Madinat Al Irfan / Sultanate of Oman

GSM: +968-98508394

Email Lial@zcu.edu.om, layal157@yahoo.com

Current Position: Assistant Professor

Department of Information Technology

Area of Specialization: Computer Science and Networks

Google Scholar Citation Page:

<https://scholar.google.com/citations?user=GcoiB08AAAAJ&hl=ar>

ResearchGate Page: <https://www.researchgate.net/profile/Lial-Missif>

PART 2: EDUCATION & EMPLOYMENT INFORMATION

2.1. EDUCATION

(1) Bachelor of Computer Science: Mutah University, Department of Computer science, Alkarak-Jordan. September 1999 – June 2003. Major/Fine Specialization: Computer Programming.

(2) High Diploma of Computer information system: Arab Academic for Finance and Banking (ABBFS), Amman, Jordan. September 2005 – June 2006. Major/Fine Specialization: COMPUTER INFORMATION SYSTEM.

(3) Master of Computer Information System: Arab Academic for Finance and Banking (ABBFS), Amman, Jordan. September 2006 – July 2008. Major/Fine Specialization: COMPUTER INFORMATION SYSTEM.

(4) Doctor of Philosophy: School of Computer Science, University Sains Malaysia (USM). February 2015 – June 2019. (QS Global World Ranking #=165) Major/Fine Specialization: Sensor Network.

Thesis title: PROBABILISTIC EVENT DETECTION MECHANISM FOR INDOOR ENVIRONMENT USING WIRELESS SENSOR NETWORK.

2.2 EMPLOYMENT INFORMATION

1. Institution Name: Al Zahra College for Women,

Location: Oman.

Department: Information Technology

Period: 2021- present

Positions: Assistant Professor

Taught Courses: Database Applications, Mobile Application Development, Computer and Network Security, Network Management and Monitoring, Wireless and Mobile Network

2. Institution Name: Prince Sattam bin abd Alaziz University

Location: Alkharj, Kingdom of Saudi Arabia

Department: Computer science Department

Period: Sep. 2008 – Sep. 2012

Positions: Lecturer

Taught Courses: Database, SQL Server, Oracle, System Analyses , VB.Net, Artificial intelligent, software engineering, Computer Networks

(2) Institution Name: Ministry of Education

Location: Amman, Jordan

Period: Jan. 2004 – Jul. 2008

Positions: Programmer.

(3) Institution Name: Al- Zautonah University

Location: Amman, jordan

Period: July 2003 - June 2006 –

Positions: Trainer

Taught Courses: I C D L Courses, ASP.NET

2.3. AREAS OF INTEREST

1. Wireless Networks

2. Internet of Things

3. Cyber Security

PART 3: SCHOLARLY ACHIEVEMENTS

3.1. SCHOLARLY WORK

3.1.1. REFEREED JOURNAL ARTICLES

(1) **Missif, L.R.**, Kadhum, M.M., Wan, T.-C., 2016, “On event detection and tracking systems in sensor networks: Classification of structure and mechanisms”, *Advanced Science Letters*, 22(10), pp. 2700-2704.

(2) **Missif, L. R.;** Kadhum, M. M., “Indoor Environmental Event Detection and Localization using Stationary Wireless Sensor Networks”, Submitted to Journal of Engineering Science and Technology (JESTEC), Scopus indexed Open Access Journal, ISSN: 1823-4690.

(3) **Missif, L. R.;** Kadhum, M. M., “Reliable Environmental Event Tracking based on Statistical Approaches”, Submitted to Cluster Computing: The Journal of Networks, Software Tools and Applications, Springer ISI indexed Journal (IF: 2.040), ISSN: 1386-7857 (Print) 1573-7543 (Online).

3.1.2. BOOKS AND REFEREED BOOK CHAPTERS

3.1.3. REFEREED CONFERENCE PROCEEDINGS.

(1) **Layal Missif;** Shankar Karuppayah; Sabri Hanshi; Huda Lubbad,2019, “Efficient Event Detection Mechanism for Indoor Environment Using Wireless Sensor Network”, Accepted in International conference on Computer Applications & Information Security, ICCAIS'2019, [indexed IEEE].

(2) **Missif, L. R.;** Kadhum, M. M., “Mathematical Modelling of Optimal Node Deployment for Indoor Wireless Sensor Networks”, International Symposium on Innovation on Computer Science and Engineering (ISICSE 2016), Paper ID 224, Hamburg, Germany, September 4-5,2016. Accepted to be published by International Journal of Electrical and Computer Engineering (IJECE), ISSN: 2088-8708, Scopus Indexed Journal, 2016.

(3) **Missif, L. R.;** Kadhum, M. M., “Dynamic Sensing Model for Accurate Detectability of Environmental Phenomena using Event Wireless Sensor Network”, International Conference on Mathematical Methods & Computational Techniques in Science & Engineering (MMCTSE 2017), mmctse-037, Cambridge, UK, February 24-26, 2017. Accepted to be published by AIP (American Institute of Physics).

(4) **Huda Alhalabi,** Tat-Chee Wan, Lial Missif, Mohammed Elhalabi, “Performance Analysis of the Constructive Interference Flooding in Wireless Sensor Networks”, 8th International Conference on Information Technology (ICIT 17), Amman, Jordan, 17-19 May 2017.

4.1.4. INVITATIONS TO SPEAK IN PROFESSIONAL MEETINGS

(1) **Journal of AIP (American Institute of Physics).**

(2) **Technical Program Chair for NetApps2016.**

3.1.5. INTERNAL RESEARCH GRANT

(1) Project No: 304/PNAV/6313332

Project Title: SHORT-TERM RESEARCH GRANT

Sponsor: UNIVERSITI SAINS MALAYSIA (USM)

Rule: Researcher

Duration: November 2017 - November 2018

Amount: RM 45000

(2) Project No: 304/PNAV/6313332

Project Title: BRIDGING GRANT

Sponsor: UNIVERSITI SAINS MALAYSIA (USM)

Rule: Researcher

Duration: May 2018 - May 2019

Amount: RM 85000

3.2. PERSONAL PROFESSIONAL DEVELOPMENT IN SCHOLARSHIP

3.2.1. CONFERENCE PARTICIPATION WITH PAPER PRESENTATION

(1) Layal Missif; Shankar Karuppayah; Sabri Hanshi; Huda Lubbad,2019, “Efficient Event Detection Mechanism for Indoor Environment Using Wireless Sensor Network”, Accepted in International conference on Computer Applications & Information Security, ICCAIS'2019, [indexed IEEE].

(2) Missif, L. R.; Kadhum, M. M., “Mathematical Modelling of Optimal Node Deployment for Indoor Wireless Sensor Networks”, International Symposium on Innovation on Computer Science and Engineering (ISICSE 2016), Paper ID 224, Hamburg, Germany, September 4-5,2016. Accepted to be published by International Journal of Electrical and Computer Engineering (IJECE), ISSN: 2088-8708, Scopus Indexed Journal, 2016.

3.2.2. CONFERENCE ATTENDANCE

NetApps2016.