Associate prof. Omar Husain Tarawneh

Personal Information:

Name:	Associate prof. Omar Husain Tarawneh
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Nationality:	Jordanian
Date of birth:	12, Jun, 1980
Gender:	Male
Marital Status :	Married

Scientific Qualifications

Date	Degree	University
2009-2015	**Ph.D. Computer Science specialized in Software Engineering**	Universiti Utara Malaysia (UUM; Northern University of Malaysia). Sintok, Malaysia.
2006-2007	**Master of Computer Information System**	The Arab Academy for Banking and Financial Sciences (AABFS). Amman, Jordan.
2004-2006	**High Diploma of Computer Information System**	The Arab Academy for Banking and Financial Sciences (AABFS). Amman, Jordan.
1999-2003	**Bachelor of Computer Science**	Mu'tah University. Al Karak, Jordan.

Work Experiences

Dates	Designation	Employer Name & Address	Main Responsibilities
From 23-6-2020 To 31-8-2021	**Associate Professor**	ALZAHRAH COLLEDGE FOR WOMEN (ZCW), Muscut, Oman.	Head of Department of Information Technology Department (HoD). IOT, Cloud Computing, Software Quality, Software Modeling, Software Requirements, Security system.
From 19-9-2016 To 22-6-2020	**Assistant Professor**	ALZAHRAH COLLEDGE FOR WOMEN (ZCW), Muscut, Oman.	Head of Department of Information Technology Department (HoD). IOT, Cloud Computing, Software Quality, Software Modeling, Software Requirements, Security system.
From 7-3-2015 To 31-8-2016	**Assistant Professor**	Amman Arab University (AAU). Amman, Jordan	Software Engineering, Database, Web Programming, C++, Operation Research, Project Management
From 1-9-2013 To 20-6-2014	**Lecturer**	University of Kuala Lumpur (UniKL). Kuala Lumpur, Malaysia.	E-commerce, Aligning IT to business, and Technopreneurship,
From 1-6-2010 To 31-12-2014	**Research Assistant**	University Utara Malaysia (UUM). Sintok, Malaysia.	Project member.
2009 - 2011	**Part time Lecturer**	University Utara Malaysia (UUM). Sintok, Malaysia.	Mathematic in IT, Decision Support System.
2006 - 2009	**Part time Lecturer**	The Arab Academy for Banking and Financial Sciences, Department of Computer Information System. Amman, Jordan.	Teaching of: Computer Skills 1 (IT + Office) Computer Network.
2007 - 2008	**Teacher**	Universal School (Private school). Amman, Jordan	Computer science. E-commerce, MIS.
2004 - 2006	**INTEL Trainer**	Ministry of Education, Jordan.	Internet work, publisher, Web pages.
2004 - 2006	**ICDL Trainer**	Ministry of Education, Jordan.	International Computer Driving Licenses (ICDL).
2003 - 2006	**Teacher**	Ministry of Education, Jordan.	Computer Skills. E-commerce, MIS.
2001 - 2003	**Technical support officer**	Freelancer (Different companies)	PCs maintenance and network troubleshooting.

Publications:

1. **Tarawneh, O** . (2021) Omani Customer Perspective for B2C Ecommerce Website Evaluation Attributes During Covid-19 Pandemic. *Journal of Telecommunication, Electronic and Computer Engineering, **in process**.*

2. Hoat, D. M., **Tarawneh, O**. H., Alsariera, Y. A., Salehi, K., Ezzeldien, M., & Naseri, M. (2020). Strain tunable electronic and optical properties of 2D orthorhombic lithium sulfur monolayer. *Chemical Physics*, *535*, 110762.

3. **Tarawneh, O**., Husni, M., & Al-Ratrout, S. (2019) Web Application Development and Measurement Practices: A Survey of Jordanian Small Software Firms (JSSF). *International Journal of Computer Applications*, *975*, 8887.

4. Al-Ratrout, S., **Tarawneh, O**. H., Altarawneh, M. H., & Altarawneh, M. Y. (2019). Mobile Application Development Methodologies Adopted in Omani Market: A Comparative Study. *International Journal of Software Engineering & Applications (IJSEA)*, *10*(2).

5. Husni, M., **Tarawneh, O**., Altarawneh, M., &Naimat, A. (October, 2018).The Compatibility and Conflict between XP Method and Level Two of CMMI-Dev1.2. *International Journal of Computer Applications*, *182* (20), 0975 – 8887

6. Batle, J., Farouk, A., **Tarawneh, O**., & Abdalla, S. (2018). Multipartite quantum correlations among atoms in QED cavities. *Frontiers of Physics*, *13*(1), 130305.

7. Naeim, I. H., Batle, J., Kadry, S., & **Tarawneh, O**. (2018). Molecular Dynamics Simulations and the Landauer's Principle. *Open Systems & Information Dynamics*, *25*(02), 1850006.

8. Batle, J., **Tarawneh, O**., Nagata, K., Nakamura, T., Abdalla, S., & Farouk, A. (2017). Multipartite quantum correlations in the extended J 1–J 2 Heisenberg model. *International Journal of Modern Physics B*, *31*(28), 1750206.

9. Alhawadi, R., Nassar, M., & **Tarawneh, O**. (2017). Hybrid Scheduling Algorithm Using Round robin and Shortest job first. In Proceedings of the International Computer Sciences and Informatics Conference, ICSIC held on 23-24 Septemper 2017 at Amman, Jordan (pp.44-49). Amman, Jordan: ICSIC.

10. El-Hasnony,I. M., **Al-Tarawneh, O. H**., El-Bakry, H. M., & Gamal, M,. (2017). A Proposed Hybrid Effective Technique for Enhancing Classification Accuracy. *International Journal of Advanced Computer Science and Applications (IJACSA),8.* 190-200.

11. Eassa, A. M., **Al-Tarawneh, O. H**., El-Bakry, H. M., & Salama, A. S. (2017). NoSQL Racket: A Testing Tool for Detecting NoSQL Injection Attacks in Web Applications. *International Journal of Advanced Computer Science and Applications (IJACSA)*, *8*(11), 614-622.

12. **Tarawneh, O.,** Alshroof, F., & Nassar, M. (2016). Jordanian Consumer Perspective for B2C Ecommerce Website Evaluation Factors. In Proceedings of the International Computer

Sciences and Informatics Conference, ICSIC held on 12-13 June 2016 at Amman, Jordan (pp.74-79). Amman, Jordan: ICSIC

13. Alshroof, F., **Tarawneh, O.,** & Almashayki, A. (2016). A proposed Mobile Commerc Model Based on Mobile Agents. In Proceedings of the International Computer Sciences and Informatics Conference, ICSIC held on 12-13 June 2016 at Amman, Jordan (pp.67-73). Amman, Jordan: ICSIC

14. **Tarawneh, O.,** Ahmad, F., & Yahaya, J. (2014). E-commerce Website Evaluation Criteria From Malaysian Consumer Perspective. *International Journal of Scientific and Engineering Research, 5*(2). 15-21.

15. **Tarawneh, O.,** Ahmad, F., & Yahaya, J. (2012). B2C Quality Evaluation Factors from Jordanian Consumer Perspective. *In Proceedings of Knowledge Management International Conference, KMICe held on 4-6 July 2012 at Johor Bahru, Malaysia* (pp.246-250). Johor Bahru, Malaysia: KMICe.

16. **Tarawneh, O.,** Ahmad, F., & Yahaya, J. (2012). Business to Consumer Evaluation Practices, Obstacles, and Factors: A Pilot Study from Consumers Perspectives on Jordanian Firm. *International Journal of Scientific and Engineering Research, 3*(1). 1-7.

17. Ahmad, F., Yahaya, J., **Tarawneh, O.,** Baharom, F., & Abd Wahab, A. (2011). E-Commerce (B2C) Evaluation Practices: A Pilot Study on Jordanian Consumers' Perspectives. *In Proceedings of the 3rd International Conference on Computing and Informatics, ICOCI held on 8-9 June 2011 at Bandung, Indonesia* (pp.413-418). Bandung, Indonesia: ICOCI.

18. Abd Wahab, A., Yahaya, J., Baharom, F., & **Tarawneh, O**. (2010). Development of e-commerce quality and evaluation framework based on technical and user perspectives. 315-324.

19. **Husain, O.,** Ahmad, F., & Yahaya, J. (2009). Comparison of Quantitative and Qualitative Methods of E-commerce Websites Evaluation. *MASAUM Journal of Reviews and Surveys, 1*(1), 0. 20-26.

20. **Tarawneh, O.,** Ahmad, F. (2009). Investigating the characteristics used in quantitative analysis of websites evaluation. *Paper presented at the 4th International Conference on Information Technology held on 3-5 June* 2009, *Al-Zaytoonah University,* Jordan (pp.69). Jordan: IEEE Computer Society.

CHAPTERS

1. Resconi, G., Nagata, K., **Tarawneh, O**., & Farouk, A. (2018). Morphogenetic Sources in Quantum, Neural and Wave Fields: Part 1. In *Quantum Computing: An Environment for Intelligent Large Scale Real Application* (pp. 321-350). Springer, Cham.

2. Resconi, G., Nagata, K., **Tarawneh, O**., & Farouk, A. (2018). Morphogenetic Sources in Quantum, Neural and Wave Fields: Part 2. In *Quantum Computing: An Environment for Intelligent Large Scale Real Application* (pp. 351-385). Springer, Cham.

3. Naseri, M., Fatahi, N., Farouk, A., **Tarawneh, O**., & Elhoseny, M. (2018). Applications of Quantum Mechanics in Secure Communication. In *Quantum Computing: An Environment for Intelligent Large Scale Real Application* (pp. 25-40). Springer, Cham.

4. Farouk, A., **Tarawneh, O**., Elhoseny, M., Batle, J., Naseri, M., Hassanien, A. E., & Lone, M. (2018). Different Architectures of Quantum Key Distribution Network. In *Quantum Computing: An Environment for Intelligent Large Scale Real Application* (pp. 41-61). Springer, Cham.

5. **Tarawneh, O**., Farouk, A., Elhoseny, M., Batle, J., Naseri, M., Hassanien, A. E., & Abedl-Aty, M. (2018). Quantum Computing and Cryptography: An Overview. In *Quantum Computing: An Environment for Intelligent Large Scale Real Application* (pp. 63-100). Springer, Cham.

6. Farouk, A., **Tarawneh, O**., Elhoseny, M., Batle, J., Naseri, M., Hassanien, A. E., & Abedl-Aty, M. (2018). Quantum Key Distribution Over Multi-point Communication System: An Overview. In *Quantum Computing: An Environment for Intelligent Large Scale Real Application* (pp. 101-121). Springer, Cham.

7. Farouk, A., **Tarawneh, O**., Elhoseny, M., Batle, J., Naseri, M., Hassanien, A. E., & Abedl-Aty, M. (2018). IPsec Multicast Architecture Based on Quantum Key Distribution, Quantum Secret Sharing and Measurement. In *Quantum Computing: An Environment for Intelligent Large Scale Real Application* (pp. 123-142). Springer, Cham.

8. Farouk, A., **Tarawneh, O**., Elhoseny, M., Batle, J., Naseri, M., Hassanien, A. E., & Abedl-Aty, M. (2018). Multi-parties Quantum Secure Direct Communication with Authentication. In *Quantum Computing: An Environment for Intelligent Large Scale Real Application* (pp. 143-184). Springer, Cham.

Google scholar link available: https://scholar.google.com/citations?user=7AirqdQAAAAJ&hl=en

ORCID iD: https://orcid.org/0000-0002-3760-5738

Publons: https://publons.com/researcher/3234348/omar-al-tarawneh

Training & Professional Courses

- LAN and digital services – Jordan Telecom. April, 2005
- INTEL and eLearning. Ministry of Education, Jordan. Jan 2005.
- ICDL (International Computer Driving License) Ministry of Education, Jordan. Jan 2004.
- TOT (Training of Trainers) Independent Election Commission Jordan. May 2016.

Research projects

- Simulation of Software Agents Platforms Using Numerical Methods, Amman Arab university,2016**.**

Workshops:

- How to write literature review. 22-24, December, 2010. University Utara Malaysia (UUM). Sintok, Malaysia
- High impact journal writing workshop. 15, June 2011. University Utara Malaysia (UUM). Sintok, Malaysia
- Knowledge Transfer Series: High performance computing data analysis and creative content using grid and cloud computing. 6, March 2012. University Utara Malaysia (UUM). Sintok, Malaysia
- Academic Advising Practice Symposium, Rustaq College of education. Sultanate of Oman. 22 -23 November 2017.
- IEEE Symposium of Engineering Education (ISEE'18) Graduates & Future employment, Military Technological College, Mucat, Sultane of Oman, Tuesday 13th March 2018.
- Electronic Business "Making the Digital Markets More Fairness", Majan continental hotel, Muscut. Sultanate of Oman, Thursday 15th March 2018.

Research Grants:

- Research assistant for a research (Kod S/O 32673). B2C Websites Quality. The research duration was 2 years (1/1/2010 – 31/12/2012). Awarded by the Government of Malaysia, $40000.
- Research assistant for a research (Kod S/O 12613). Tele center Effective Usage. The research duration was 2 years (1/1/2012 – 31/12/2014). Awarded by the Government of Malaysia, $80000.

Professional Services at previous universities (Committee & Other Services)

Committees	Amman Arab University	ALZAHRA COLLEGE FOR WOMEN
• Exams committee	√	
• Quality Assurance committee		**√**
• Research committee		**√**
• Assisting and guiding the software engineering students	√	**√**
• Participated in process of preparing and updating the software engineering plan	√	√

- **Reviewer for Institute of Electrical and Electronics Engineers ACCESS, IEEE Access 2019 until now.**
- **Reviewer for the information of the International Computer Sciences and Informatics Conference, ICSIC (2016 and now).**
- **Reviewer for the Alexandria Engineering Journal (2019-untill now)**
- Supervising on the development and updating the information of the International Computer Sciences and Informatics Conference, ICSIC website (2016).
- Chief of Commission for Reception for the International Computer Sciences and Informatics Conference, ICSIC. Amman Arab University (2016)**.**

Non-professional services in the community:

- Member of the Altaakhi Charity Association- Jordan
- Member of the Oman Association for Consumer Protection-Oman

Research Activities and areas of intrest

• Software Evaluation and Software Quality	• Multi-Criteria Decision Making Problem Methods (MCDM) and Fuzzy Multi-Criteria Decision Making Problem Methods (FMCDM).
• Software Certification	• Quantum computing

Other Skills:

- IT Skills:
- Programming languages: Visual Basic, C++, Visual basic, JAVA, Php.net.
- Multimedia and Application: Author-ware.
- PCs maintenance and Network troubleshooting.
- Operating system: Microsoft Windows, Server NT and 2000 advanced server,
- SPSS
- Soft skills: Excellent Communication Skills; Negotiator; Team Player; and Research Assistant.

Languages:

English	Excellent
Arabic	Excellent

References:

Name	Current position	Email	Telephone
• Prof fudziah Ahmad	Utara university Malaysia, Kedah-Malaysia	Fudzahm@yahoo.com afudzia@gmail.com	0060194443378
• Associate prof Feras almashaqbh	Alzaraqa Private University. Amman-Jordan	Ferasfm79@yahoo.com fmashakbah@zu.edu.jo	00962795099934

ALL MY UNDERGRADUATE AND POSTGRADUATE STUDIES WERE UNDERTAKEN IN ENGLISH