Date: 7/4/2025

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**Dr Ahmad Abu-Al-Aish**

**PERSONAL INFORMATION**

Title: Dr.

Academic Rank: Associate Prof.

Date of Birth: 08/09/1980

Nationality: Jordanian

Address: Department of Computer Science, Faculty of Computer Science and Information Technology, Jerash University, Jerash, Jordan, Office: 711 IT Building

Mobile No.: 00962778574855

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**ACADEMIC QUALIFICATIONS**

**Degree Major Duration (From-To) University Country**

Ph.D Computer Science 2010- 2014 Brunel University United Kingdom

Certificate Information Technology 2008 – 2009 London school of B&C United Kingdom

M.Sc Mathematics 2004 – 2007 Al al-Bayt University Jordan

B.Sc Mathematics 1998 – 2002 Jordan University of Sci & Tech Jordan

**TEACHING EXPERIENCE**

Duration Rank Institution Department Country

2/2022- present Associate prof. Jerash University Computer Science Jordan

10/2015-1/2022 Assistant Prof. Jerash University Computer Science Jordan

9/ 2010 - 7/2012 Math &Sci Teacher Saudi Students Club - United Kingdom

8/2002 - 11/2007 Math Teacher Ministry of Education - Jordan

**ResearchINTEREST**

1. Mobile and electronic learning systems for higher education
2. Higher Education Quality of Services.
3. Metaheuristics.
4. Combinatorial Optimization Problems.
5. Algorithms.
6. Data Mining.
7. E-learning for Teaching Mathematics.
8. Learning Data Analytics

**PUBLICATIONS**

1. **Abu-Al-Aish**, A., Love, S. and Hunaiti, Z. (2012). Mathematics Students’ Readiness for Mobile Learning. *International Journal of Mobile and Blending Learning*, 4(4), 1-20.
2. **Abu-Al-Aish**, A., Love, S.(2013). Factors Influencing Students Acceptance for m-learning: An Investigation in Higher Education. *The International Review of Research in Open and Distance Learning*, 14(5), 82-107.
3. **Abu-Al-Aish**, A., Love, S., Hunaiti, Z. and Al-masaeed, S. (2013). Toward A Sustainable Deployment of M-learning in Higher Education. *International Journal of Mobile Learning and Organization*. 7(3/4), 253-276.
4. Al-Marashdeh,I., Jaradat, G., Ayob, M., **Abu-Al-Aish, A**., Al-Smadi, M.( 2018). An Elite pool-based Big Bang-Big Crunch metaheuristic for Data Clustering. *Journal of Computer Science*. 14 (12), 1611-1626.
5. Alnabhan, M., **Abu-Al-Aish, A**., Al-masaeed, S. (2018). Collaborative and Ubiquitous Mobile Learning System Prototype. *International Journal of Computer applications in Technology*. 58 (4), 296- 307.
6. **Abu-Al-Aish, A**. (2021). Explore Technical Quality Factors That Enhance Mobile Learning Applications Services Using Data Mining Techniques, *International Journal of Information and Communication Technology Education*, 17(4),
7. **Abu-Al-Aish**, A. (2021). Using E-learning System in Jordanian Universities during the COVID-19 Pandemic: Benefits and Challenges.*Computer and Information Science*, 14(3), 49-62.
8. **Abu-Al-Aish, A.,**Jaradat, G., Al-Shugran, M., Alodat, I. (2021). Automating SWOT Analysis Using Machine Learning Methods, *International Journal of Advances in Soft Computing and its Applications*, 13(2), 139-161.
9. Hamad, S., Tairab, H., Wardat, Y., Lutfieh R.,AlArabi, K., Yousif, M., **Abu-Al-Aish,A.**, Stoica, G. (2022). Understanding Science Teachers’ Implementations of Integrated STEM: Teacher Perceptions and Practice. Sustainability, 14(6), 3594. <https://doi.org/10.3390/su14063594>
10. Alneyadi, S., Wardat, Y., Alshannag, Q., & **Abu-Al-Aish**, A. (2023). The effect of using smart e-learning app on the academic achievement of eighth-grade students. EURASIA Journal of Mathematics, Science and Technology Education,19(4), em2248.
11. Al Shugran, M. A., **Abu-Al-Aish, A**., Jaradat, G. M., Alghamdi, F. A., Alqurni, J. S., Alsmadi, M. K., ... & Gharaibeh, M. F. (2025). Enhancing routing efficiency in highway environments of vehicular ad hoc networks through fuzzy logic-based protocols. *International Journal of Electrical & Computer Engineering (2088-8708)*, *15*(1).

**TEACHING AND COURSE DEVELOPMENT**

**Teaching interest**

Mathematics courses, statistics Course, Computation theory, Algorithms, projects management. Human Computer interaction.

**Course Development & Revision:**

A comprehensive revision of each of the following courses was made. Each course was standardized and adjusted with its prerequisites to fit into the new undergraduate catalog:

- Linear algebra using Computer.

- Operation Research.

**Courses taught:**

1. Linear algebra using Computer.
2. Introduction to information technology.
3. C++ Programming,
4. Computer skills.
5. Fundamentals of E-commerce.
6. Human computer interaction.
7. Operation Research.
8. Computation theory
9. Analysis and design of algorithms.
10. Discrete mathematics.
11. Software project management.
12. Simulation models
13. Mathematics software packages
14. Communication Skills
15. Software Engineering

**MEMBERSHIPS OF SCIENTIFIC AND PROFESSIONAL SOCIETIES**

[Google Scholar](https://scholar.google.com/citations?user=3kcree4AAAAJ&hl=en&oi=ao)

[Researchgate](https://www.researchgate.net/profile/Ahmad-Abu-Al-Aish-2/publications)

[Academia](https://independent.academia.edu/AhmadAbuAlAish)

Scopus Author ID: [55800841100](https://www.scopus.com/authid/detail.uri?authorId=55800841100)

ORCID:[0000-0001-6392-7661](https://orcid.org/my-orcid?orcid=0000-0001-6392-7661)

**UNIVERSITY COMMITTEES**

1. Quality Assurance Committee, Department of Computer Science, 2017- now.

2. Social Committee,Department of Computer Science, 2015- 2020.

3. Member of Scientific Research Committee, Department of Computer Science, 2016- now.

4. Strategic Planning, Jerash University, 2015-2017.

5. The 4th Annual Symposium for Information Technology Students in Jordan,

Jerash University. 2018, Coordinator.

**LANGUAGES**

English (fluent)

**PROGRAMMING SKILLS**

Proficient or familiar with a vast array of programming languages, concepts and technologies, including:

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| 1. C++
2. Microsoft office
3. Windows
4. HTML
 | 1. SPSS
2. Mathematica
3. Minitab
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**TEACHING AND RESEARCH SKILLS**

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| --- |
| 1. E-learning skills, including learning management system (LMS).
2. Experienced in conducting quantitative and qualitative research project.
3. Experience in using statistical analysis software packages such as SPSS and Amos.
4. Original research dissemination in journals and conferences.
5. Able to communicate and liaise between all research project stakeholders.
6. Excellent writing and verbal communication and presentation skills in English andArabic languages.
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**References**

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| --- | --- |
| **Name**  | **Prof. Steve Love (PhD Supervisor)** |
| **Position** | He was a reader at Brunel University, School of Information Systems, Computing and Mathematics. Currently he is a full professor , School of Simulation and Visualisation. |
| **Address** | The Glasgow School of Art, UK.s.love@gsa.ac.uk, Tel: +44 (0) 141 353 4500. |
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| **Name** | **Dr. Mohammad Al Nabhan,**  |
| **Position**  |  Professor of computer science |
| **Address** | King Hussein School of Computing Sciences, Princess Sumaya University of Technology, Jordan m.alnabhan@psut.edu.jo, m.alnabhan@yahoo.com, Mobile :00962797674849. |
|  |
| **Name**  | **Dr. Mohammed M. Abu Shquier** |
| **Position** | Professor of computer science |
| **Address** |  Department of computer science **,** Jerash Private University, Jerash, Jordan, shquier@jpu.edu.joMobile :00962779830983 |