

## CURRICULUM VITAE

**Full Name: Marwan Najeeb Khader Alseid**

*Department/Faculty, Software Engineering*

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### 1. Personal Data

Date of Birth: 4<sup>th</sup> Jan., 1967

Nationality: Jordanian

### 2. Education

- Ph.D.: (Software Engineering – Usability Engineering and HCI), 2009, University of Bradford, Bradford, UK
- M.Sc.: (Computer and Information Sciences), 2003, Yarmouk University, Irbid, Jordan
- B.Sc.: (Computer Science), 1990, Yarmouk University, Irbid, Jordan

### 3. Ph.D. Dissertation

*Title of Dissertation, Multimodal Interactive E-Learning: An Empirical Study (An experimental study that investigates the effect of multimodal metaphors on the usability of e-learning interfaces and the production of empirically derived guidelines for the use of these metaphors in the software engineering process)*  
University of Bradford, Bradford, UK.

### 4. Employment

#### Academic Positions



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- Assistant Professor, Software Engineering Department, College of Science and Information Technology, AlZaytoonah University, Amman, Jordan, October. 2023-Present
- Assistant Professor, Computer Science Department, College of Computing, Fahad Bin Sultan University, Tabuk, Kingdom of Saudi Arabia, Sep. 2014-Aug. 2022
- Assistant Professor, Software Engineering Department, Applied Science University, Amman, Jordan, Feb. 2010- Sep. 2014
- Instructor, Computer Science Department, Al Balqa' Applied University, Salt, Jordan, 2003-2006

### Administrative Positions

- Chairman of Computer Science Department, College of Computing, Fahad Bin Sultan University, Tabuk, Kingdom of Saudi Arabia, Sep. 2021-Aug. 2022
- Assistant Dean, College of Computing, Fahad Bin Sultan University, Tabuk, Kingdom of Saudi Arabia, Sep. 2017-Aug. 2020
- Chairman of Software Engineering Department, Faculty of Information Technology, Applied Science University, Amman, Jordan, Aug. 2012-Sep. 2014

### 5. Research Interests

Usability Engineering and Human-Computer Interaction.

### 6. Membership in Scientific Societies and Associations

### 7. Honors and Awards

### 8. Fellowships and Scholarships

### 9. Teaching Experience

- *Graduate Courses*

- Interactive Software Design (Applied Science University, Jordan)
- Software Engineering (Fahad Bin Sultan University, KSA)
- Software Project Management (Fahad Bin Sultan University, KSA)
- Database Systems (Fahad Bin Sultan University, KSA)
- Graphical User Interface (Fahad Bin Sultan University, KSA)



- ***Undergraduate Courses***

- Human-Computer Interaction
- Graphical User Interface
- Introduction to Software Engineering, Software Engineering Principles
- Advanced Software Engineering
- Software Design and Construction
- Software Maintenance and Re-engineering
- Software Project Management
- Software Testing and Quality Assurance
- Systems Analysis and Design
- Object Oriented Software Engineering
- Object Oriented Programming using C++
- Database Systems
- Structured Programming (using C++)
- Internet Programming and Web Design
- Programming Languages
- Computing Ethics
- Operating Systems
- Theory of Computation
- Algorithms and Data Structures
- Graduation Projects

## **10. Supervision of Graduate Research**

1. Sara Almaser, "Hybrid Machine Learning Approaches for Predicting Student Performance". Thesis in Computer Science, Fahad bin Sultan University, KSA, 2020.
2. Asma AlEnazi, "Artificial Intelligence Approach to Analyse Big Data of Users' Reviews for Business Decision Making", Thesis in Computer Science, Fahad bin Sultan University, KSA, 2021.
3. Yasmin Albalawi, "Investigating the Usability of Website and E-Learning System at Fahad Bin Sultan University", Thesis in Computer Science, Fahad bin Sultan University, KSA, 2021.

## **11. Grants**

## **12. Patents**



### 13. Membership of Committees

- **National and International**

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- **University**

- *Study plan Committee, Faculty of Science and Information Technology, Jordan, 2023/2024*
- *Exams and Evaluation Committee, Faculty of Science and Information Technology, Jordan, 2023/2024*
- *Equivalency, Training and Alumni Committee, Faculty of Science and Information Technology, Jordan, 2023/2024*
- *Quality Assurance Committee, College of Computing, Fahad Bin Sultan University, Saudi Arabia, 2020/2021.*
- *Equivalency Committee, Computer Science Department, Fahad Bin Sultan University, Saudi Arabia, 2017/2018.*
- *University Library Committee, Fahad Bin Sultan University, Saudi Arabia, 2014/2015, 2015/2016.*
- *University Student Affairs Committee, Fahad Bin Sultan University, Saudi Arabia, 2014/2015, 2015/2016.*
- *Curricula Committee, Computer Science Department, Fahad Bin Sultan University, Saudi Arabia, 2015/2016.*
- *Final Year Project Committee, Computer Science Department, Fahad Bin Sultan University, Saudi Arabia, 2016/2017- 2017/2018*
- *Schedule Committee, Computer Science Department, Fahad Bin Sultan University, Saudi Arabia, 2015/2016.*
- *Member of Faculty Council, Faculty of Information Technology, Applied Science University, Jordan, 2010/2011 – 2013/2014.*
- *University eLearning Committee, Applied Science University, Jordan, 2012/2013.*
- *eLearning Committee, Faculty of Information Technology, Applied Science University, Jordan, 2011/2012 - 2012/2013.*
- *Exams Committee, Faculty of Information Technology, Applied Science University, Jordan, 2011/2012.*
- *Graduation Projects Committee, Faculty of Information Technology, Applied Science University, Jordan, 2010/2011.*
- *Study Plan Committee, Faculty of Information Technology, Applied Science University, Jordan, 2009/2010.*

### 14. Professional and Scientific Meetings

#### *Scientific Meetings Organized*

- 6th International Conference on Computer Science and Information Technology (CSIT 2014), Applied Science University, Amman, Jordan, 2014



- 5th International Conference on Computer Science and Information Technology (CSIT 2013), Applied Science University, Amman, Jordan, 2013

#### *Participation in Scientific meetings*

- 6th International Conference on Computer Science and Information Technology (CSIT 2014), Applied Science University, Amman, Jordan, 2014
- 5th International Conference on Computer Science and Information Technology (CSIT 2013), Applied Science University, Amman, Jordan, 2013
- 4th International Conference on Developments in E-Systems Engineering, UAE, 2011
- 15th International Business Information Management (IBIMA) Conference, Egypt, 2010
- 23rd International Conference on Advanced Information Networking and Applications (AINA-09), UK, 2009
- 8th WSEAS International Conference on Software Engineering, Parallel and Distributed Systems (SEPADS '09), UK, 2009
- 22nd Annual Conference of Interaction, People and Computers, UK, 2008
- IADIS International Conference on Interfaces and Human-Computer Interaction, UK, 2008

#### **15. Participation in or organization of curricular and/or extra-curricular activities**

- Course and Program Reports and Specifications for NCAAA (National Commission for Academic Assessment and Accreditation), one-day workshop, January 23, 2018, Fahad Bin Sultan University.
- Developing the Learning Outcomes in Compliance with NQF (National Qualifications Framework) and Aligning Assessment Practices with Learning Outcomes, Dr. Mohamed ElMadany and Dr. Mona Aljuhani, NCAAA Accreditation Consultants, 11-12 of May 2016, Fahad Bin Sultan University.
- Assessment of Learning Outcomes, Dr. Mohamed ElMadany and Dr. Hanan AlOlayan, NCAAA Accreditation Consultants, 21-22 of October 2015, Fahad Bin Sultan University.
- Flipping Your Classroom to Increase Engagement and Learning, Prof. Saouma Boujaoude, Director of the Center of Teaching and Learning at the American University of Beirut, April 25, 2015, Fahad Bin Sultan University.
- Workshop on Program Accreditation, College of Computing, December 24, 2014, Fahad Bin Sultan University.



## 16. Publications

1. **Journal paper:** AlAnazi A. and **Alseid M.** (2021), "Artificial Intelligence Based Recommendation System for Analyzing Social Business Reviews", International Journal of Advanced Computer Science and Applications, 12(6): 122-132.
2. **Journal paper:** Azzeh M., El Sheikh Y. and **Alseid M.** (2014), "An Optimized Analogy-Based Project Effort Estimation", International Journal of Advanced Computer Science and Applications (IJACSA), 5(4): 6-11.
3. **Journal paper:** **Alseid M.**, Azzeh M. and El Sheikh Y. (2014), "A Comparative Usability Study on the Use of Auditory Icons to Support Virtual Lecturers in E-Learning Interfaces", International Journal of Advanced Computer Science and Applications (IJACSA), 5(1): 88-95.
4. **Conference paper:** **Alseid M.**, AlKhateeb J. and Rawashdeh O. (2014): "Proposed Approaches for Intelligent Classification of Mobile Apps for Smart Phones", Proceeding of the 6th International Conference on Computer Science and Information Technology (CSIT 2014), p.p. 60-63, Applied Science University, Amman, Jordan, March 2014.
5. **Journal paper:** Azzeh M. and **Alseid M.** (2013), "On the Value of Ranked Voting Methods for Estimation by Analogy", Journal of IET Software, ISSN: 1751-8806, 7(1): 1-8.
6. **Conference paper:** **Alseid M.**, Azzeh M. and El Sheikh Y. (2013): "Employing Auditory Icons to Support Virtual Lecturers in E-Learning Interfaces: A Proposed Comparative Usability Study", Proceeding of the 5th International Conference on Computer Science and Information Technology (CSIT 2013), p.p. 219-222, Applied Science University, Amman, Jordan, March 2013.
7. **Book:** **Alseid M.** and Rigas D. (2011): "Usability of Multimodal Interactive E-Learning: Investigating the influences of multimodal interaction metaphors on the usability of e-learning interfaces", ISBN: 978-3-8465-5324-4, LAP LMBERT Academic Publishing.
8. **Conference paper:** **Alseid M.** and Rigas D. (2011): "The Role of Earcons and Auditory Icons in the Usability of Avatar-Based E-Learning Interfaces", Proceedings of the 4th International Conference on Developments in E-Systems Engineering, December 2011, p.p. 276-281
9. **Journal paper:** **Alseid M.** and Rigas D. (2010): "Three Different Modes of Avatars as Virtual Lecturers in E-learning Interfaces: A Comparative Usability Study", Open Virtual Reality Journal, Bentham Open, ISSN: 1875-323X, volume 2: 8-17.



10. **Conference paper:** Alqrainy Sh., Almuaidi H., Rashaideh H. and **Alseid M.** (2010): "Toward Developing a Universal and Standard System for Transliteration and Transcription Arabic Language", In Proceedings of the 15th International Business Information Management (IBIMA) Conference, ISBN : 978-09821489-4-5, p.p. 2002-2007, Cairo, Egypt.
  11. **Book Chapter:** **Alseid M.** and Rigas D. (2009): "An Empirical Investigation into the Use of Multimodal E-Learning Interfaces", Human-Computer Interaction, edited by Inaki Maurtua, ISBN: 978-953-307-022-3, In-Tech, 2009, p.p. 85-100, Chapter 5.
  12. **Journal paper:** Rigas D. and **Alseid M.** (2009): "Using Multimodal Metaphors to Communicate Information in E-learning: A Two-Group Empirical Study", International Journal of Computer Science and Systems (IJCSS), Universal Society of Applied Research, ISSN: 1803-8336, 1(1): 52-59.
  13. **Conference paper:** **Alseid M.** and Rigas D. (2009): "Utilising Multimodal Interaction Metaphors in E-learning Applications, An Experimental Study", In Proceedings of the IEEE 23rd International Conference on Advanced Information Networking and Applications (AINA-09), p.p. 944-949, University of Bradford, Bradford, UK, May 26-29, 2009.
  14. **Conference paper:** **Alseid M.** and Rigas D. (2009): "Users' Views of Facial Expressions and Body Gestures in E-Learning Interfaces: An Empirical Evaluation", In Proceedings of the 8th WSEAS International Conference on Software Engineering, Parallel and Distributed Systems (SEPADS '09), p.p. 121-126, Cambridge, UK, ISBN 978-960-474-052-9.
  15. **Journal paper:** **Alseid M.** and Rigas D. (2008): "Empirical Results for the Use of Facial Expressions and Body Gestures in E-Learning Tools", International Journal of Computers and Communications, University Press, UK, ISSN: 2074-1294, 2(3): 87-94.
  16. **Conference paper:** **Alseid M.** and Rigas D. (2008): "Efficiency of Multimodal Metaphors in the Presentation of Learning Information", In Proceedings of the 22nd Annual Conference of Interaction, People and Computers XXII, HCI 2008, (Omar Abuelmatti and David England eds), p.p. 107-110, British Computer Society, Volume 2, Liverpool, UK, ISBN 978-1-906124-06.
- Conference paper:** Rigas D. and **Alseid M.** (2008): "Multi-modal Aided Presentation of Learning Information: A Usability Comparative Study", In Proceedings of IADIS International Conference on Interfaces and Human-Computer Interaction, p.p. 234-238, InderScience Publishers. IADIS, Amsterdam, Netherlands, ISBN 978-972-8924-5.



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