Personal Information

Name:	**Prof. Dr Aysh Alhroob**
Nationality	**Jordanian**
Email:	Aysh@zuj.edu.jo Ayshco@yahoo.com
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Qualification	Specialization	University	Date
B.Sc.	**Computer Technology.**	**IICT, Sindh University**	**2000**
M.Sc.	**Computer Technology**	**IICT, Sindh University**	**2002**
PhD (Scholarship)	**Software Engineering**	**Bradford University, UK**	**2010**

Specialization:	**Software Engineering**
Research Interests:	**Software Testing, Software Requirement, Agile, Natural Language Processing, Data Engineering (Big Data, Data Science, Data Analysis) Computer Algorithm and AI Techniques.**
Research Gate	https://www.researchgate.net/profile/Aysh_Alhroob
Google Scholar	https://scholar.google.com/citations?user=ImvuE0MAAAAJ&hl=en

Career Experience

Job Title	Place of work		Date
Dean of Scientific Research and Graduate Studies		Isra University	2021- Present
Full Professor	Software Engineering Dep,	Isra University	2020- Present
Dean of Faculty	Information Technology,	Isra University	2016-2018
Associate Professor	Software Engineering Dep,	Isra University	2016- 2020
Head of Department	Software Engineering Dep,	Isra University	2013-2015
Assistant Professor	Software Engineering Dep,	Isra University	2011-2015
Lecturer	Software Engineering Dep,	Isra University	2002-2008

Administrative work and committees

- Member of Jordan National Qualification Framework committee (Jordanian Universities Level).
- Member of Accreditation committees (Jordanian Universities Level).
- Member of E-learning committee, (At university level), Isra University, 2021-
- Member of Higher Committee for ABET Accreditation Faculty of IT, Isra University, 2019-Present.
- Head of Academic Programs committee - to ensure the quality of Jordanian academic programs. (At Faculty level), 2018-present (Golden Level)
- Head of Computer Centre Board, Isra University, 2016-2018.
- Head of E-learning Centre Board, Isra University, 2016-2018.
- Member of Graduate Studies Committee (At university level), Isra University, Faculty of IT, 2013-2018.
- Member of Graduate Studies Committee (At Faculty level), Isra University, Faculty of IT, 2013-2018.
- Member of the Software Engineering Master Program Committee, Isra University, Faculty of IT, 2013-Present.
- Member of the Scientific Research Committee, Isra University, (At University level), 2013-2018.
- Member of Council Committee, Information Technology Faculty, Isra University, 2013-2018.
- Member of E-learning Center Board, Isra University, 2012-2015
- Member of Computer Center Board, Isra University, 2012-2015

Membership in Scientific and Professional Bodies and Societies	Date
• Member of *"International Association of Engineers"* (**IAENG**)	2021
• Member of, "*Jordan Artificial Intelligent Initiative*". (Founder Member) Jordan.	2021
• Member of, "*Association of Arabic Content Enrichment*". (Founder Member) Jordan.	2012-Present
• Member of, "*Association of Software Quality Assurance*". (Founder Member) Jordan	2015-Present
• Member of TECHNICAL COMMITTEE of:	
- International Conference on Management Engineering.	2018
- Software Engineering and Service Sciences (ICMSS) ACM.	2019
- Asia Service Sciences and Software Engineering Conference	2020
• Reviewer in: Journal of Big Data, International Journal of Data Mining, Modelling and Management and many others.	
• Member of STEERING COMMITTEE of the International Arab Conference on Information Technology (ACIT) 2017.	2017 and 2018
• PROGRAM COMMITTEE MEMBER of IEEE International Conference on Software Knowledge Information (SKIMA)	2009-2011

- PROGRAM COMMITTEE MEMBER of the International Arab Conference of e-Technology. 2014

Honorary Life Membership in Council of the University of Bradford, UK.

Publications

1. Hassan Al-Tarawneh, Khalid Al-Kaabneh, Aysh Alhroob, Hazem Migdady, Issam Alhadid, "A hybrid heuristic algorithm for solving COVID-19's social distancing at universities campus", Computer Systems Science and Engineering; 41(3):933-944, 2022.
2. Ahmad Althunibat, Wael Alzyadat, Mohammad Muhairat, Aysh Alhroob, Ikhlas H Almukahel, "An Approach to Acquire the Constraints Using Panel Big Data Hybrid Association Rule and Discretization Process for Breast Cancer Prediction", Journal of Healthcare Engineering, 2021 (2021).
3. Wael Alzyadat, Aysh AlHroob, Ikhlas Hassan Almukahel, Mohammad Muhairat, Mohammad Abdallah, Ahmad Althunibat, "Big Data, Classification, Clustering and Generate Rules: An inevitably intertwined for Prediction", International Conference on Information Technology (ICIT), 2021.
4. I. A. AlHadid, and K. Kabbaneh, H.Tarawneh, A. Alhroob, and others " Adaptive Methods to Optimize Web Services Selection and Service Compositions Construction", New Ideas Concerning Science and TechnologyPublisher: Book Publisher International, 2021.
5. A. Imam, A..Alhroob, W. AL-zyadat, "SVM Machine Learning Classifier to Automate the Extraction of SRS Elements", International Journal of Advanced Computer Science and Applications 12(3):2021
6. A Alhroob, W Alzyadat, A Tareq, Imam, M Jaradat, Ghaith, "The Genetic Algorithm and Binary Search Technique in the Program Path Coverage for Improving Software Testing Using Big Data", Journal of Intelligent Automation and Soft Computing 26 (4), 725-733, 2020.
7. Aysh Alhroob, Wael Alzyadat, Ikhlas Almukahel, Hassan Altarawneh, "Missing Data Prediction using Correlation Genetic Algorithm and SVM Approach", International Journal of Advanced Computer Science and Applications 11(2), 2020.
8. Aysh M. Alhroob,, Wael Jumah Alzyadat,Ikhlas Hassan Almukahel, Ghaith M. Jaradat, "Adaptive Fuzzy Map Approach for Accruing Velocity of Big Data Relies on Fireflies Algorithm for Decentralized Decision Making", Journal of IEEE Access 8(1), 2020.
9. Banan Mohammad, Wael Alzyadat, Mohammad Al-Fayoumi, Ruba EL Hawi, Aysh Alhroob, "An Approach to Improve Data Quality from Big Data Aspect by Sensitive Cost and Time", 2020 11th International Conference on Information and Communication Systems (ICICS) IEEE, P: 022-026, 2020.
10. I AlHadid, K Kaabneh, H Tarawneh, A Alhroob, "Investigation of simulated annealing components to solve the university course timetabling problem", Italian Journal of Pure and Applied Mathematics 44 (1), 291-301, 2020.
11. Yazan Al-Kasabera, Wael Alzyadat, Aysh Alhroob, Suleyman Al Showarah, Ahmad Thunibat, "An Automated Approach to Validate Requirements Specification", International Journal of Advanced Computer Technology 9(2), 2020.
12. Areen Al-Hgaish, Wael Alzyadat, Mohammad Al-Fayoumi, Aysh Alhroob, Ahmad Thunibat, "Preserve Quality Medical Drug Data toward Meaningful Data Lake by Cluster", International Journal of Recent Technology and Engineering 8(3), 2019.
13. Yazan Al-Kasabera, Wael Alzyadat, Aysh Alhroob, Suleyman Al Showarah, Ahmad Thunibat, "An Automated Approach to Validate Requirements Specification", International Journal of Advanced Computer Technology 9(2), 2020.

14. Areen Al-Hgaish, Wael Alzyadat, Mohammad Al-Fayoumi, Aysh Alhroob, Ahmad Thunibat, "Preserve Quality Medical Drug Data toward Meaningful Data Lake by Cluster", International Journal of Recent Technology and Engineering 8(3), 2019.

15. AS Suleyman, AL Wael, A Alhroob, H Al-Assam, "User Identification Based on the Dynamic Features Extracted from Handwriting on Touchscreen Devices", International Journal of Interactive Mobile Technologies 14 (11), 126-136, 2020.

16. Wael ALzyadat, Aysh Alhroob, "Development Planning in the Big Data Era: Design References Architecture", International Conference on Multidisciplinary Research and Innovation ICMRI 2019.

17. Wael Jumah Alzyadat, Aysh AlHroob, Ikhlas Hassan Almukahel, Rodziah Atan, "Fuzzy Map Approach for Accruing Velocity of Big Data", COMPUSOFT: An International Journal of Advanced Computer Technology 8(4), 2019.

18. Aysh Alhroob, "Architectural Structures and Viewpoints of Streaming Big Data", International Journal of RTE 8(3), 2019.

19. Wael Jum'ah Al_Zyadat , Faisal Y. Alzyoud, Aysh M. Alhroob, Venus Samawi, "Securitizing Big Data Characteristics Used Tall Array and MapReduce", Journal of Computer Science and Technology 7(4),2018

20. Aysh Alhroob, Venus W. Samawi, "Privacy in Cloud Computing: An Intelligent Approach", International Conference on High Performance Computing & Simulation (HPCS 2018), Orleans, France, July, 2018.

21. Aysh Al-hroob, Ayad Tareq Imam, Rawan Al-Heisa, "The use of artificial neural networks for extracting actions and actors from requirements document", Information and Software Technology, vol.101, Elsevier, 2018

22. Faiz Al Shrouf, Aysh Alhroob, Khalil Al-Shqeerat, Yaser Al-Kubaisi, "Comparisons and Evaluation Performance Criteria of Software Agents' Platforms for E-Commerce", International Journal of Applied Engineering Research, 13 (7), 2018

23. Nassar, Heba A and Alhroob, Aysh and Imam, Ayad T, "An Algorithmic Approach for Sketching Sequence Diagram (AASSD)". International Conference on Software Engineering and Development (ICSED 2017), ACM. Bangkok, Thailand, August, 2017.

24. Wa'el Jum'ah Al_Zyadat, Faisal Y.Al-Zyoud and Aysh M. Alhroob, "Smooth Handoff Process Cluster Based In Vehicular Ad Hoc Networks. International Journal of Computing Academic Research (IJCAR) 6(3), 2017.

25. Ayad T. Imam, Ayman J. Alnsour, Aysh Al-Hroob, "The Definition of Intelligent Computer Aided Software Engineering (I-CASE) Tools" 5(1), Journal of Information Engineering and Applications, 2015.

26. Nidal Yousef, Aysh Alhroob, Hassan tarwaneh, "Best Test Cases Selection Approach Using Genetic Algorithm", Journal of Computer and Information Science", 8(1), 2015

27. Aysh Alhroob, Best Test Cases Selection Approach, Scientific Cooperation, Koc University, STANBUL/TURKEY, 2014.

28. Amaal Al-Amawi, Salwa Alsamarai, Manar Maraqa, Aysh Alhroob, "The Influence of SMS Advertising by Jordanian Commercial Companies on Mobile Phone Users' Consuming Behaviour", Journal of Information and Knowledge Management, 4 (11), 2014

29. Aysh Alhroob, Hassan tarawneh, "A Hybrid Simulated Annealing with *Tabu* List and Allowable Solutions Memory to Solve University Course Timetabling Problem", Journal of European Journal of Scientific Research 126 (1), 2014.

30. Aysh Alhroob, Nidal Yousef, "Transforming UML State Machine Diagram to High Level Petri Net Using Genetic Algorithm", LNSE, 2 (3), 2014.

31. S. Al-Samairrai, Z. Fadhil, A. Alhroob, "The Impact of Frequent Use Email When Creating Account at the Websites on the Users Privacy and Security" International Journal of Computer Science & Information Technology (IJCSIT) 5(6), 2013.
32. A. Alhroob, H. Khafajeh N. Innab, "Evaluation of Different Query Expansion Techniques for Arabic Text Retrieval System". American Journal of Applied Sciences, 10(9), 2013.
33. A. Alhroob, N. Yousef A. Maitah, "Transforming UML State Diagrams to High Level Petri Nets". In proceeding of International Conference of Software Technology and Engineering Phuket, Thailand, 2012.
34. Aysh Alhroob, Keshav Dahal, Alamgir Hossain, "Transforming UML Sequence Diagram to High Level Petri Nets". In proceeding of International Conference on Software Technology and Engineering Suan Juan, USA, IEEE, 2010.
35. Aysh Alhroob, Keshav Dahal, Alamgir Hossain, "Automatic Test Cases Generation from Software Specifications Models", eInformatica Software Engineering Journal, 4(1), 2010.
36. Aysh Alhroob, Keshav Dahal, Alamgir Hossain, "Automatic Test Cases Generation from Software Specifications Modules", 4th IFIP TC2 Central and East European. In proceeding of Conference on Software Engineering Techniques CEE-SET Krakow, Poland, 2009.
37. Aysh Alhroob, Keshav Dahal, Alamgir Hossain, "Simplifying large systems for Automatic Test Data Generation". In Proceedings of the 9th Informatics Workshop for Research Students, University of Bradford, UK, Jun, ISBN 978 1 85143 251 6, 2008.

External Examiner: PhD and Master

Supervision: Sample : Thesis Title	Student Name	Status
Risk Mitigation Model in Agile Approach.	Areej Naddaf	2014 -2016
Enhancement of Acceptance Testing in Agile Approach.	Randa Fahmi	2014 -2016
Software Requirement Elicitation Using AI Techniques.	Rawan Alheisa	2014-2017
Generation of Sequence Diagram Automatically From Use Case Model Using GA	Heba Nassar	2015-2017
Examining the Factors Influencing Distance Learners in Learning Management System (LMS)	Mariam Alhudathi	2016-2018
An Application of Correctness and Completeness to Enhance Requirements Specification	Yazan Kasabreh	2016-2018
Development of Optimized Mobile Agent Task Pattern Using Push-All-Data Strategy	Rafid Kahtan	2016-2019
Automation Approach to Enhance Code Refactory	Bassma Alsrour	2017-2019
Privacy in Cloud Computing: Intelligent Approach	Rusul Mumtaz	2018-2019
Using Data Mining Techniques and Ontology Concepts to Design an Agent for Diabetic Diagnostic	Shajan Shammed	2018-2019
Failures Prediction Approach in Agile Software Development	Bulqees Alajaleen	2019-2020
Enhance Mobile application Acceptance Testing Using Face Emotions	Samer Samour	2019-

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Curriculum Vitae

Using AI Techniques and Historical Data Analysis for
Enhancing Decision Making

Tariq Srour   2019-2021

Taught Courses	Level
Advanced Software Testing	Postgraduate
Knowledge Engineering	Postgraduate
Scientific Research Methodologies	Postgraduate
Agile Engineering Methods and Practices	Postgraduate
Advanced of Software Requirement	Postgraduate
Software Testing	Undergraduate
Software Requirement Engineering	Undergraduate
Object Oriented Software engineering	Undergraduate
Project Management	Undergraduate
Software Design	Undergraduate
Fundamental of Software Engineering	Undergraduate
Computer Architecture	Undergraduate
System Analysis	Undergraduate
Software Tools	Undergraduate
Technical Writing	Undergraduate
Web Design 1+2	Undergraduate
Multimedia systems	Undergraduate

References:

- **Prof. Arafat Awajan, President of Mutah University. Email: president@mutah.edu.jo, awajan@psut.edu.jo. Mob: +962 777 48 57 57.**

- **Prof. Khalid Alkaabneh, Vice president of Al-Ahliyya Amman University. Email: dr_kaabneh@yahoo.com Mob: +962 795 922229.**

- **Prof. Mohammad Saraireh, Dean Faculty of Information Technology, Isra University. Email: Srayreh_2000@yahoo.com, m_srayreh@iu.edu.jo . Mob: + 962 797 531531**

Thank You