

Amer Ahmad Al-Rahayfeh

Mobile : +962 - 79 951 7560

Email (1) : amer.alrahayfeh@wise.edu.jo

Email (2) : amer.a.al-rahayfeh@ahu.edu.jo

Address : Amman - Jordan

Nationality : Jordanian

Date of Birth : 18 - 10 - 1978

CAREER OBJECTIVE

Experienced, versatile, results proven professional seeking a promising position that will offer opportunities for personal and professional growth. I want to work in a setting where the philosophy is to challenge and work hard with a team to reach the desired goals .

EDUCATION

Phd in Computer Science and Engineering .

University of Bridgeport , USA .

Year of Graduation : 07 / 2014 .

GPA : 3.96 / 4.00 .

High Pass Level on Cumulative Exam .

Upsilon Pi Epsilon International Honor Society .

Phd Research: Focus on Biomediate Health Information, especially the design and implementation of human- computer interface for disability patients, Image processing , Sensor network .

Master's Degree in Computer Information Systems (CIS) .

Arab Academy for Banking and Financial Sciences , Jordan . Year of

Graduation : 06 / 2004 .

Bachelor's Degree in Computer Science .

Mutah University , Jordan . Year

of Graduation : 06 / 2000 .

PROFESSIONAL EXPERIENCES

The World Islamic Sciences and Education University, Amman - Jordan.

Position : Full Professor .

Duration : 03 / 2026 - Current .

Position : Associate Professor .

Duration : 09 / 2024 - 03 / 2026.

Position : Dean of the Faculty of Information Technology . Duration :

09 / 2024 - Current .

Position : Member of the Editorial Board of Scientific Journals .

Duration : 09 / 2024 - Current .

Position : Member of the Qualifications Placement Committee in the Faculty of Information Technology within the Jordanian National Qualifications Framework .

Duration : 09 / 2024 - Current .

Al Hussein Bin Talal University , Ma'an - Jordan .

Position : Associate Professor . Duration :

08 / 2019 - 09 / 2024 .

Position : Assistant Professor . Duration :

07 / 2014 - 08 / 2019 .

Position : Vice dean of the College of Information Technology .

Duration : 09 / 2017 - 09 / 2019 .

Position : Head of Computer Science Department .

Duration : 09 / 2015 - 09 / 2018 .

Position : Head of Management Information System Department . Duration : 09 / 2015 - 09 / 2016 .

Position : Editorial Board member of Journal of Al-Hussein Bin Talal University for Research . Duration : 09 / 2019 - 09 / 2024 .

Position : Member of the Scientific Research and Development Committee in the College of Information Technology . Duration : 09 / 2019 - 09 / 2024 .

Position : Member of Information Technology, College Council, AHU . Duration : 09 / 2016 - 09 / 2024 .

Position : Member of Business Admin. And Econ. College Council, AHU . Duration : 07 / 2014 - 06 / 2017 .

Crescent Telecard , Milford - USA . Position

: Manager , IT Department (Volunteer) . Duration : 01 / 2010 - 01 / 2011 .

Al Hussein Bin Talal University , Ma'an - Jordan .

Position : Computer Instructor . Duration : 09 / 2008 - 01 / 2009 .

Arab Academy for Banking and Financial Sciences , Amman - Jordan .

Position : Computer Instructor . Duration : 01 / 2006 - 08 / 2008 .

Mutah University , Al Karak - Jordan .

Position : Computer Instructor - Computer Laboratory Supervisor . Duration : 10 / 2000 - 12 / 2005 .

SUBJECTS

- Multimedia systems
- Python
- System Analysis C++
- Programming
- Introduction to IT
- Technology Management
- Internet Programming Project
- Supervision
- Special Topics in Computer Science
- Management Information System
- Object Oriented Programming

RESEARCH PROFILE

- ESEARCH PROFILE I have been included in the list of World's Top 3% Scientists Rankings 2022 and 2023 (by Stanford University) . .
- Google Scholar: <https://scholar.google.com/citations?hl=en&user=uNWPx6AAAAAJ> Research gate:
- <https://www.researchgate.net/profile/Amer-Al-Rahayfeh>

AWARDS AND HONORS

- Scholarship to pursue a PhD in Computer Science and Engineering, Al Hussein Bin Talal University, Jordan (2009 – 2013) .

CERTIFICATES

- Digital Teaching and Blended Learning (Digital Arrangements, Digital Curriculum, Digital Environments) .
- International Computer Driving License (ICDL UNESCO) .
- Certified Project Manager .
- Certified Strategic Management Methods . Certified
- Future Global Leaders .
- Certified Effective Global Managers Training .

- Certified Leadership for Frontline Manager to Top Executive .

GENERAL SKILLS

- Programming skills (C++ - Python - Java - ASP.Net - VB.Net - SQL) Microsoft
- office
- Training skills
- Project management skills
- Teamwork Communication
- skills Flexibility
- Multi tasking
- Critical thinking

LANGUAGES

- Arabic : Native
- English : Advanced

PROJECTS

JOVITAL Erasmus+ CBHE Project on Virtual Mobility / European funded .

Duration: (2017-2020) Location:

Germany, UK, Jordan.

Role and responsibilities: team member.

Description : Adds a significant value to the teaching process in Jordan by empowering academic staff with modern teaching competencies. A comprehensive capacity building program will be implemented to facilitate intensive know-how transfer between the consortium members to address the problems of outdated instructor centered frontal teaching methods, limited physical academic mobility, and ineffective use of ICT in formal higher education in Jordan.

Deep recurrent neural network for IoT intrusion detection system/ AHU funded .

Duration: (2018-2020) . Location:

Jordan .

Role and responsibilities: team member (researcher) .

Description : Develop a model to protect IoT devices using recurrent neural network .

Blockchain-based authentication for Internet of Things (IoT) devices. / AHU funded .

Duration: (2022 -2024) . Location:

Jordan .

Role and responsibilities: team member (researcher) .

Description: Develop a model for Blockchain-based authentication for Internet of Things (IoT) devices .

Thesis Committees (External Examiner)

External member of examination committee, M.Sc. thesis, “Improved Intrusion detection System using a Modified African Vultures algorithm “, **Al-Ahliyya Amman University**, Jordan. (24-12-2024)

External member of examination committee, M.Sc. thesis, “Integrating One-Class and Multi-Class Classification into smart Cyber Attack Detection system“, **Amman Arab University**, Jordan. (11-01-2025)

BOOK PUBLICATION

Abdul Razaque, Amer Al Rahayfeh (October 2019) : Mobile Malware Infringement and Detection: <https://www.kobo.com/ww/en/ebook/mobile-malware-infringement-anddetection>; ISBN: 9781393454953

JOURNALS PUBLICATIONS

Manaf Al-Okaily, Fadi Shehab Shiyab, Nesreen A Salim, Amer Al-Rahayfeh(2025): The role of AI-enabled health systems in the Jordanian context: the case of digital contact tracing apps. Journal of Health Organization and Management; <https://doi.org/10.1108/JHOM-06-2024-0252> **Q2**

Saleh Atiewi, Amer Al-Rahayfeh, Muder Almiani, Abdullah Abuhussein and Salman Yussof(2023): Ethereum blockchain-based three factor authentication and multi-contract access control for secure smart home environment in 5G networks. Cluster computing; DOI :10.1007/s10586-023-04202-8 **Q1**

Mohammad H. Almomani ,Raed Abu Zitar ,Mohammad Sh. Daoud , Hazem Migdady and Amer

AlRahayfeh(2024):Hybrid Classification Approach Utilizing DenseUNet+ for Diabetic Macular Edema Disorder Detection . International Journal of Online and Biomedical Engineering (iJOE) ; DOI: <https://doi.org/10.3991/ijoe.v20i09.49353> **Q2**

Amer Al-Rahayfeh , Saleh Atiewi, Mudar Almiani, Mohammad Jararweh, and Miad Faezipour(July 2023): Utilizing 3D magnetic source imaging with landmark-based features and multi-classification for Alzheimer’s Disease diagnosis.Cluster computing; DOI: 10.1007/s10586-023-04103-w **Q1**

Saleh Atiewi, Amer Al-rahayfeh, Mudar Almiani, Salman Yussof, Omar Alfanaï, Ahed Abugabah, and Yaser Jararweh (June 2020): Scalable and Secure Big Data IoT System Based on Multifactor Authentication and Lightweight Cryptography. IEEE Access ; Volume: 8 , Page(s): 113498 – 113511, DOI: 10.1109/ACCESS.2020.3002815 **Q1**

Mudar Almiani , Alia AbuGhazleh , Amer Al-Rahayfeh , Saleh Atiewi , Abdul Razaque,Younjin Chung(November 2019) : Deep Recurrent Neural Network For IoT Intrusion Detection System. Simulation Modelling Practice and Theory; <https://doi.org/10.1016/j.simpat.2019.102031> **Q1**

Abdul Razaque, Syed Rizvi, Meer Jaro khan, Mudar Almiani, Amer AlRahayfeh (August 2019): State-of-Art Review of Information Diffusion Models and their Impact on SocialNetwork Vulnerabilities. Journal of King Saud University - Computer and In-formation Sciences; <https://doi.org/10.1016/j.jksuci.2019.08.008> **Q1**

Amer Al-Rahayfeh,Saleh Atiewi,Abdullah Abuhussein and Mudar Almiani (8 May 2019) : Novel Approach to Task Scheduling and Load Balancing Using the Dominant Sequence Clustering and Mean Shift Clustering Algorithms. Future Internet Journal; 11(5), 109; <https://doi.org/10.3390/fi11050109> **Q2** Mudar Almiani1, Alia AbuGhazleh, Amer Al-Rahayfeh and Abdul Razaque (07 March 2019) : Cascaded hybrid intrusion detection model based on SOM and RBF neural networks. Concurrency and Computation: Practice and Experience; First published: 07 March 2019 ; <https://doi.org/10.1002/cpe.5233> **Q2**

Amer Al-Rahayfeh,Abdul Razaque,Yaser Jararweh and Mudar Almiani (22 November 2018) : Location-Based Lattice Mobility Model for Wireless Sensor Networks. Sensors 2018, 18(12), 4096; <https://doi.org/10.3390/s18124096> **Q1**

Amer Al-Rahayfeh, and Miad Faezipour, “Eye Tracking and Head Movement Detection: A State-of-Art Survey,” IEEE Journal of Translational Engineering in Health and Medicine, Rehabilitation Devices and Systems, Vol. 1, pp. 11-22, Nov. 2013.

Amer Al-Rahayfeh, Mudar Almi'ani, Abdelshakour A. Abuzneid. "Parameterized Affect of Transmission-Range on Lost of Network Connectivity (LNC) of Wireless Sensor Networks. Vol.2, NO.3, PP. 63-80, August 2010.

Amer A. Al-Rahayfeh and Abdelshakour A. Abuzneid.” Detection of Bleeding in Wireless Capsule Endoscopy Images Using Range Ratio Color”, International Journal of Multimedia & its Applications (IJMA), Volume 2, Number 2, Page 1- 10, May 2010.

Laili Almazaydeh, Eman Abedelfattah, Manal Al-Bzoor, and Amer Al-Rahayfeh. "Performance Evaluation of Routing Protocols in Wireless Sensor Networks ", International Journal of Computer Science and Information Technology, Volume 2, Number 2, Page 64-73, April 2010.

CONFERENCES PUBLICATIONS

Abdul Razaque ; Mudar Almiani ; Meer Jaro Khan ; Basel Magableh ; Ayman AlDmour ; Amer Al-Rahayfeh, “Fuzzy- GRA Trust Model for Cloud Risk Management”, 2019 Sixth International Conference on Software Defined Systems (SDS), Pages: 179 – 185, DOI: 10.1109/SDS.2019.8768726

Liang Guo ; Pu Du ; Abdul Razaque ; Mudar Almiani ; Amer Al Rahayfeh, “Energy saving and maximize utilization cloud resources allocation via online multi-dimensional vector bin packing”, 2018 Fifth International Conference on Software Defined Systems (SDS), Pages: 160 – 165, DOI: 10.1109/SDS.2018.8370438

Mudar Almi'ani ; Alia Abu Ghazleh ; Amer Al-Rahayfeh ; Abdul Razaque, “Intelligent intrusion detection system using clustered self organized map”, 2018 Fifth International Conference on Software Defined Systems (SDS), Pages: 138 – 144, DOI: 10.1109/SDS.2018.8370435

Abdul Razaque ; Liu Yimu ; Tang Minjie ; Mudar Almiani ; Amer Al-rahayfeh, “Distributed allocating algorithm based on cloud CPU scheme “,2018 Fifth International Conference on Software Defined Systems (SDS), Pages: 166 – 175, DOI: 10.1109/SDS.2018.8370439

Amer Al-Rahayfeh, and Miad Faezipour, “Classifiers Comparison for a New Eye Gaze Direction Classification System,” submitted to the IEEE IEEE Long Island Systems, Applications and Technology Conference (LISAT), 2014.

Amer Al-Rahayfeh, and Miad Faezipour, “Enhanced Combined Eye Gaze Direction Classification and Head Flexion Detection” submitted to the The American Society for Engineering Education (ASEE) 2014

A. Al-Rahayfeh, and Miad Faezipour, “Application of Head Flexion Detection for Enhancing Eye Gaze Direction Classification” accepted the IEEE Engineering in Medicine and Biology Society (EMB), 2014.

Amer Al-Rahayfeh, and Miad Faezipour, “Enhanced Frame Rate for Real-Time Eye Tracking Using Circular Hough Transform,” in IEEE Long Island Systems, Applications and Technology Conference (LISAT), pp. 1-6, May 2013.

Amer Al-Rahayfeh, and Miad Faezipour, “Enhanced Eye Gaze Direction Classification Using a Combination of Face Detection, CHT and SVM,” accepted to appear in Proceedings of the IEEE Signal Processing in Medicine and Biology Symposium (SPMB13), Polytechnic Institute of NYU, New York,2013.

Amer Al-Rahayfeh, and Miad Faezipour, “Eye Tracking and Head Movements Detection to Assist People with Disabilities: Unveiled”, in Proceedings of the International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CISSE 12), pp. 1-4, , Dec. 2012

POSTERS

Amer. Al-Rahayfeh, and M. Faezipour, “Enhanced Eye Gaze Direction Classification Using a Combination of Face Detection, CHT and SVM,” Faculty Research Day, University of Bridgeport, Bridgeport, CT, February 1, 2014.

Amer. Al-Rahayfeh, and M. Faezipour, “Enhanced Eye Gaze Direction Classification Using a Combination of Face Detection, CHT and SVM,” American Society of Engineering Education 2014 North East Conference (ASEE 2014), University of Bridgeport, Bridgeport, CT, 2014.

Amer Al-Rahayfeh, and Miad Faezipour, “Super Assistive Technology with Combined Smart Models,” Faculty Research Day, University of Bridgeport, Bridgeport, CT, February 1, 2013.

Amer. Al-Rahayfeh, and Miad Faezipour, “Eye Tracking, Voice Recognition and Head Movement for Super Assistive Technology with Smart InteractiveDevice,” American Society of Engineering Education 2013 North East Conference (ASEE 2013), Norwich University , Northfield, VT, USA, March 15, 2013

AFFILIATIONS

- IEEE
- The National Society of Black Engineers 2012-PRESENT , USA
- International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering CISSE 2010– Present Bridgeport,USA

REFERENCES

Professor Miad Faezipour

Associate Professor
School of Engineering Technology
Mob No: 765-494-7079
Email: mfaezipo@purdue.edu
Purdue University, West Lafayette, IN, USA

Professor Khaled Elleithy

Associate Vice President for Graduate
Studies and Research College of Computer Science & Engineering Mob No:
(203) 576-4703
Email: elleithy@bridgeport.edu
University Bridgeport, CT, USA

Professor Ayman Al Dmour

Acting Dean College of Information Technology Mob
No: (+962)7 9937 5581
Email: ayman.a.dmoor@ahu.edu.jo Al-
Al-Hussein Bin Talal University