Curriculum Vitae

Adeeb Mansour Falah Al-Saaidah, PhD
Associate Professor
Department of Information Systems and Networks
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✓ EDUCATION

Major Area: Computer Sciences.
Specialized Area: Computer Networks.

2013 – 2018 **PhD's Degree in Computer Science / Computer Networks**
Thesis Title "Enhancing Active Queue Management Techniques For Improving Network Performance In Congestion Problem"
Islamic Science University Of Malaysia, Malaysia

2008 - 2010 **Master's Degree In Information, Networks, and Computer Security**
New York Institute of Technology University,jordan
GPA(3.68 out of 4)

2004-2008 **Bachelor's Degree in Computer Engineering**
Al-Balqa Applied University,jordan

✓ WORKING EXPERIENCE:

- **Administrative Experience**

October 2025- Till now, **Head of Information Systems and Networks Department.** The World Islamic Sciences and Education University (W.I.S.E)

September 2023- August 2025, **Head of Networks and Cybersecurity Department**. Al-Ahliyya Amman University (AAU).

October 2019 – September 2022, **Head of Information Systems and Networks Department.** The World Islamic Sciences and Education University (W.I.S.E)

Curriculum Vitae

▪ Academic Experience

October 2025- Till now, **Associate Professor.** Department of Information Systems and Networks. The World Islamic Sciences and Education University (W.I.S.E)

October 2024- August 2025, **Associate Professor.** Department of Networks and Cybersecurity. Al-Ahliyya Amman University (AAU).

September 2022- October 2024, **Assistant Professor.** Department of Networks and Cybersecurity. Al-Ahliyya Amman University (AAU).

October 2018- September 2022, **Assistant Professor.** Department of Information Systems and Networks. The World Islamic Sciences & Education University (W.I.S.E).

February 2011– September 2014, **Lecturer,** Department of Information Systems and Networks. The World Islamic Sciences and Education University (W.I.S.E)

September 2010– February 2011, **Lecturer** (Part- time) Al-Balqa' Applied University.

September 2010– February 2011, **Lecturer** (Part- time) The World Islamic Sciences and Education University (W.I.S.E).

✓ TEACHING EXPERIENCE:

- Network Security
- Advanced Topics in Networks Security
- Ethical Hacking
- Penetration Testing and Analysis
- Network Monitoring and Documentation
- Networks and Information Security Essentials
- Computer Networks Design
- Fundamental of Data Communication and Networking
- Computer Organization and Architecture
- Operating System
- Linux operating system
- Computer Network
- Computer Network(2)
- Database
- Network Protocols
- Digital Logic Design
- Computer Organization and Architecture
- Information Technology Fundamentals

Curriculum Vitae

✓ RESEARCH INTERESTS:

- Network Security
- Cybersecurity
- Machine Learning
- Internet Of Things (IoT)
- Network Performance
- Artificial Intelligence
- Network Quality of Service (QoS)
- Network Modeling and Simulation

✓ PROFESSIONAL SKILLS:

- Cisco Certified Network Associate (CCNA)/Cisco
- CyberOps Associate /Cisco

✓ PUBLICATIONS:

▪ JOURNALS:

1) Alsaaidah, A. (2026) Comparative Analysis of Machine Learning Classifiers for Detecting Backdoor Malware in IoT Networks. Journal of Computing & Biomedical Informatics11(1).

2) Al-znamat, F. O., Alsaaidah, A., & Abu-Shareha, A. A. (2025). Malware Detection Using a Modified Bat Algorithm for Feature Selection. International Journal of Intelligent Engineering & Systems, 18(9).

3) Abu-Shareha, A., Abualhaj, M. M., Alsharaiah, M. A., Al-Saaidah, A., & Achuthan, A. (2025). Diabetes Prediction Through Classification Using Pima Dataset: Survey and Evaluation. Journal of Soft Computing and Data Mining, 6(1), 1-20.

4) Abualhaj, M. M., Abu-Shareha, A. A., Alkhatib, S. N., Shambour, Q. Y., & Alsaaidah, A. M. (2025). Detecting spam using Harris Hawks optimizer as a feature selection algorithm. Bulletin of Electrical Engineering and Informatics, 14(3), 2361-2369.

5) Abu-Shareha, A. A., Abualhaj, M., Hussein, A., Al-Saaidah, A., & Achuthan, A. (2025). Investigation of Data Balancing Techniques for Diabetes Prediction. International Journal of Intelligent Engineering & Systems, 18(3).

6) Abualhaj, M. M., Alkhatib, S. N., Abu-Shareha, A. A., Alsaaidah, A. M., & Anbar, M. (2025). Enhancing spam detection using Harris Hawks optimization algorithm. TELKOMNIKA (Telecommunication Computing Electronics and Control), 23(2), 447-454.

7) Al Saaidah, A., Abualhaj, M. M., Shambour, Q. Y., Abu-Shareha, A. A., Abualigah, L., Al-Khatib, S. N., & Alraba'nah, Y. H. (2025). Enhancing malware detection performance: leveraging K-nearest neighbors with firefly optimization algorithm. Multimedia tools and applications, 84(12), 10071-10094.

8) Almomani, O., Alsaaidah, A., Abu-Shareha, A. A., Alzaqebah, A., Almaiah, M. A., & Shambour, Q. (2025). Enhance URL Defacement Attack Detection Using Particle Swarm Optimization and Machine Learning. Journal of Computational and Cognitive Engineering.

9) Abualhaj, M. M., Hiari, M. O., Alsaaidah, A., & Al-Zyoud, M. M. (2025). Comparative analysis of whale and Harris Hawks optimization for feature selection in intrusion detection. Indonesian Journal of Electrical Engineering and Computer Science, 37(1), 179-185.

10) Kanaker, H., Tarawneh, M., Karim, N. A., Alsaaidah, A., Abuhamdeh, M., Qtaish, O., ... & Alhalhouli, Z. (2024). A comparative study of machine learning tools for detecting Trojan horse infections in cloud computing environments. International Journal of Electrical & Computer Engineering (2088-8708), 14(6).

11) Alsaaidah, A., Almomani, O., Abu-Shareha, A. A., Abualhaj, M. M., & Achuthan, A. (2024). ARP Spoofing Attack Detection Model in IoT Network using Machine Learning: Complexity vs. Accuracy. Journal of Applied Data Sciences, 5(4), 1850-1860.

12) Abualhaj, M. M., Hiari, M. O., Alsaaidah, A., Al-Zyoud, M., & Al-Khatib, S. (2024). Spam Feature Selection Using Firefly Metaheuristic Algorithm. Journal of Applied Data Sciences, 5(4), 1692-1700.

13) Alsaaidah, A. M., Shambour, Q. Y., Abualhaj, M. M., & Abu-Shareha, A. A. (2024). A novel approach for e-health recommender systems. Bulletin of Electrical Engineering and Informatics, 13(4), 2902-2912.

14) Abu-Shareha, A. A., Abualhaj, M. M., Alsharaiah, M. A., Shambour, Q. Y., & Al-Saaidah, A. (2024). A New Framework for Evaluating Random Early Detection Using Markov Modulate Bernoulli Process Stationary Distribution. International Journal of Intelligent Engineering & Systems, 17(4).

15) Abualhaj, M. M., Al-Zyoud, M., Alsaaidah, A., Abu-Shareha, A., & Al-Khatib, S. (2024). Enhancing Malware Detection through Self-Union Feature Selection Using Firefly Algorithm with Random Forest Classification. International Journal of Intelligent Engineering & Systems, 17(4).

16) Al Saaidah, A., Abualhaj, M. M., Shambour, Q. Y., Abu-Shareha, A. A., Abualigah, L., Al-Khatib, S. N., & Alraba'nah, Y. H. (2024). Enhancing malware detection performance: leveraging K-Nearest Neighbors with Firefly Optimization Algorithm. Multimedia Tools and Applications, 1-24.

17) Alsharaiah, M., Abualhaj, M., Baniata, L., Al-saaidah, A., Kharma, Q., & Al-Zyoud, M. (2024). An innovative network intrusion detection system (NIDS): Hierarchical deep learning model based on Unsw-Nb15 dataset. International Journal of Data and Network Science, 8(2), 709-722.

18) Abualhaj, M., Abu-Shareha, A., Shambour, Q., Alsaaidah, A., Al-Khatib, S., & Anbar, M. (2024). Customized K-nearest neighbors' algorithm for malware detection. International Journal of Data and Network Science, 8(1), 431-438.

19) Abu-Shareha, A. A., Alsaaidah, A., Alshahrani, A., & Al-Kasasbeh, B. (2023). Fuzzy-Based Active Queue Management Using Precise Fuzzy Modeling and Genetic Algorithm. Symmetry, 15(9), 1733.

20) Al Zaqebah, A., Almomani, O., Almomani, M., Alsaaidah, A., Abu-Shareha, A. A., & Althunibat, A. (2023, August). Improving Routing Decision Algorithm for RPL Networks. In 2023 International Conference on Information Technology (ICIT) (pp. 544-549). IEEE.

21) Al-Tarawneh, H., Abu-Shareha, A. A., & Al-Saaidah, A. (2023). A Smooth Oversampling Technique Using SLP. International Journal on Engineering Applications, 11(4).

22) Abualhaj, M. M., Abu-Shareha, A. A., Al-Khatib, S. N., Al-Zyoud, M., Al Saaidah, A., Hiari, M. O., & Alsharaiah, M. A. (2023). Improving VoIP Bandwidth Utilization Using the PldE Technique. Transport and Telecommunication Journal, 24(3), 288-296.

23) Alsharaiah, M., Abu-Shareha, A., Abualhaj, M., Baniata, L., Adwan, O., Al-saaidah, A., & Oraiqat, M. (2023). A new phishing-website detection framework using ensemble classification and clustering. International Journal of Data and Network Science, 7(2), 857-864.

24) Almaiah, Mohammed Amin, Omar Almomani, Adeeb Alsaaidah, Shaha Al-Otaibi, Nabeel Bani-Hani, Ahmad K. Al Hwaitat, Ali Al-Zahrani, Abdalwali Lutfi, Ali Bani Awad, and Theyazn H. H. Aldhyani."Performance Investigation of Principal Component Analysis for Intrusion Detection System Using Different Support Vector Machine Kernels." Electronics 11.21 (2022).

25) Alsharman Nesreen, Adeeb Saaidah, Omar Almomani, Ibrahim Jawarneh, and Laila Al-Qaisi. "Pattern Mathematical Model for Fingerprint Security Using Bifurcation Minutiae Extraction and Neural Network Feature Selection." Security and Communication Networks 2022 (2022).

26) Almaiah, Mohammed Amin, Shaha Al-Otaibi, Abdalwali Lutfi, Omar Almomani, Arafat Awajan, Adeeb Alsaaidah, Mahmoad Alrawad, and Ali Bani Awad. "Employing the TAM Model to Investigate the Readiness of M-Learning System Usage Using SEM Technique." Electronics 11, no. 8 (2022).

27) Ahmad Althunibat, Muhammad Binsawad, Mohammed Amin Almaiah, Omar Almomani, Adeeb Alsaaidah, Waleed Al-Rahmi, Mohamed Elhassan Seliaman. "Sustainable Applications of Smart-Government Services: A Model to Understand Smart-Government Adoption." Sustainability 13.6 (2021)

28) Mohammed Amin Almaiah, Ziad Dawahdeh, Omar Almomani, Adeeb Alsaaidah, Ahmad Al-khasawneh, Saleh Khawatreh." A new hybrid text encryption approach over mobile ad hoc network" International Journal of Electrical and Computer Engineering (IJECE). Vol. 10, No. 6, December 2020.

29) Sami Smadi, Mohammad Alauthman, Omar Almomani, Adeeb Saaidah, Firas Alzobi." Application Layer Denial of Services Attack Detection Based on StackNet". International Journal of Advanced Trends in Computer Science and Engineering, Volume 9, No.3, May - June 2020.

30) Nesreen Alsharman, Faisal Alzyoud, Adeeb Saaidah, Omar Almomani. "Machine Learning and Answer Set Program Rules towards Traffic Light Management". International Journal of Advanced Trends in Computer Science and Engineering, Volume 9, No.3, May - June 2020.

31) MADI, Mohammed, Fidaa JARGHON, Yousef FAZEA, Omar ALMOMANI, and Adeeb SAAIDAH. "Comparative analysis of classification techniques for network fault management." Turkish Journal of Electrical Engineering & Computer Sciences 28 (2020): 1442-1457.

32) Ahmad K. Al Hwaitat, Mohammed Amin Almaiah, Omar Almomani, Mohammed Al-Zahrani, Rizik M. Al-Sayed, Rania M.Asaifi, Khalid K. Adham, Ahmad Althunibat and Adeeb Alsaaidah, "Improved Security Particle Swarm Optimization (PSO) Algorithm to Detect Radio Jamming Attacks in Mobile Networks" International Journal of Advanced Computer Science and Applications(IJACSA), 11(4), 2020. http://dx.doi.org/10.14569/IJACSA.2020.0110480.

33) Adeeb Saaidah, Omar Almomani, Laila Al-Qaisi, Nesreen Alsharman, Faisal Alzyoud "A Comprehensive Survey on Node Metrics of RPL Protocol for IoT" Modern Applied Science; Vol. 13, No. 12; 2019.

34) Adeeb Saaidah, Omar Almomani, Laila Al-Qaisi and Mohammed Kamel MADI, "An Efficient Design of RPL Objective Function for Routing in Internet of Things using Fuzzy Logic" International Journal of Advanced Computer Science and Applications (IJACSA), 10(8), 2019.

35) Adeeb Alsaaidah, Mohd Zalisham, Mohd Fadzli, Hussein Abdel-Jaber "Markov-modulated bernoulli-based performance analysis for gentle BLUE and BLUE algorithms under bursty and correlated traffic." Journal Of Computer Science (2016).

Curriculum Vitae

▪ CONFERENCES

1) Alsaaidah, A., Al-Mimi, H., Abu-Shareha, A. A., Abualhaj, M. M., & Al Zyoud, M. (2025, August). Spam Feature Selection Using Harris Hawks Optimization Algorithm. In 2025 5th International Conference on Emerging Smart Technologies and Applications (eSmarTA) (pp. 1-6). IEEE.

2) Almomani, O., Alsaaidah, A., Almaiah, M. A., Alzaqebah, A., Abualhaj, M. M., & Alzyadat, W. J. (2025, May). Evaluating Machine Learning Classifiers for Detecting Distributed Denial of Service Attacks. In 2025 12th International Conference on Information Technology (ICIT) (pp. 134-140). IEEE.

3) Omar Almomani, Mohammed Amin Almaiah, **Adeeb Saaidah**, Sami Smadi, Adel Hamdan Mohammad, and Ahmad Althunibat. "Machine Learning Classifiers for Network Intrusion Detection System: Comparative Study." Accepted in The 10th International Conference on Information Technology (ICIT 2021). July 14-15, 2021 | Amman, Jordan

4) Omar Almomani, **Adeeb Saaidah**, Firas Al Balas, Al-Qaisi Laila. "Simulation-Based Performance Evaluation of Several Active Queue Management Algorithms for Computer Network." 2019 10th International Conference on Information and Communication Systems (ICICS) . Irbid. Jordan.

5) Al Balas, Firas, Omar Almomani, Reema M. Abu Jazoh, Yaser M. Khamayseh, and **Adeeb Saaidah**. "An Enhanced End to End Route Discovery in AODV using Multi-Objectives Genetic Algorithm." In 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT), pp. 209-214. IEEE, 2019.

6) **Adeeb Alsaaidah**, Mohd Zalisham, Mohd Fadzli, Hussein Abdel-Jaber "Markov-modulated Bernoulli-based performance analysis for BLUE algorithm under bursty and correlated traffics." 2014 International Conference on Computer, Communications, and Control Technology (I4CT). IEEE, 2014.

7) **Adeeb Alsaaidah**, Mohd Zalisham, Mohd Fadzli, Hussein Abdel-Jaber "Gentle-BLUE: A new method for active queue management." 2014 3rd International Conference on Advanced Computer Science Applications and Technologies. IEEE, 2014.

✓ THESIS SUPERVISION

- Malware Detection Using a Modified Bat Algorithm.
- Phishing Websites Detection Using Hybrid Grey Wolf and Harris Hawk Optimization Techniques. Al-Ahliyya amman university
- Phishing Email Detection Using Grey Wolf Optimization and Extreme Learning Machine.

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Dr. Saleh Mohammad Al-Atiewi

Assistant Professor

Computer Science department

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

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✓ LANGUAGE PROFICIENCY :

Arabic: Mother tongue

English: Very Good