

## Academic Resume



### Linda Mohaisen

Assistant Professor, Information Technology Department

#### Contact Information.

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#### Highest Degree.

2018, Doctor of Philosophy, Computer Networks, University of Alabama in Huntsville, USA.

#### Academic and Professional Experiences.

1. **2023 - 2023**  
Reviewer of the article, A spatio-temporal multi-scale fusion algorithm for pine wood nematode disease detection, Journal of Forestry Research, Springer Link, , .
2. **2023 - 2023**  
Reviewer of the article, Data Augmentation and Few-Shot Change Detection in Forest Remote Sensing, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, , .
3. **2023 - 2023**  
Reviewer of the article, Reconstruction of Neural Radiance Fields with Vivid Scenes in the Metaverse, IEEE Transactions on Consumer Electronics, , .
4. **2023 - 2023**  
Workshop on Brain Computing at Cardiff Metropolitan University, Cardiff, UK, , .
5. **2022 - Present**  
Head of the (NCAAA) Postgraduate Academic Accreditation Committee, Information Technology Department, King Abdulaziz University, Jeddah, Saudi Arabia.
6. **2022 - 2022**  
External reviewer of NCAAA documents for Software Engineering Department, University of Business and Technology (UBT), Jeddah, Saudi Arabia, , .
7. **2021 - Present**  
Blackboard Developer for CPIT 220-Introduction to Information Technology course, Information Technology Department, King Abdulaziz University, Jeddah, Saudi Arabia.
8. **2021 - Present**  
Course Coordinator for CPIT 220-Introduction to Information Technology, Information Technology Department, King Abdulaziz University, Jeddah, Saudi Arabia.
9. **2021 - Present**  
Member of Senior Projects Committee, Information Technology Department, King Abdulaziz University, Jeddah, Saudi Arabia.
10. **2020 - Present**  
Blackboard Developer for CPIT 600-Internetworking course, Information Technology Department, King Abdulaziz University, Jeddah, Saudi Arabia.

Last Profile Update: May 07, 2024

## Academic and Professional Experiences.

11. **2020 - Present**  
Member of the Academic Affairs Committee-Graduate Academic advisor-Master, Information Technology Department, King Abdulaziz University, Jeddah, Saudi Arabia.
12. **2019 - Present**  
Assistant professor, Information Technology Department, King Abdulaziz University, Jeddah, Saudi Arabia.
13. **2019 - Present**  
Member of the Curriculum Development Committee-Undergraduate Academic advisor-Undergraduate, , KAU.
14. **2019 - 2021**  
Blackboard Developer for CPIT 370-Computer Network course, Information Technology Department, King Abdulaziz University, Jeddah, Saudi Arabia.
15. **2008 - 2019**  
Teacher Assistant, King Abdulaziz University, Jeddah, Saudi Arabia, , .
16. **2008 - 2008**  
Webmaster of Jeddah Economic Gateway, Jeddah, Saudi Arabia, , .
17. **2005 - 2008**  
Programmer, Zahid Tractor Company, Jeddah, Saudi Arabia, , .

## Research Interests.

Intelligent Transportation System, Internet of Things and smart cities, Routing protocols and Cross-layer design, Artificial Intelligent, Ad hoc network, Wireless sensor network, Cybersecurity.

## Teaching Interests.

Introduction to Information Technology, Computer Networks, Internetworking, Wireless and Mobile Networks, Network Administration.

## Certifications and Trainings.

1. Certified Adviser of Strategic Thinking, King Abdulaziz University, Jeddah, Saudi Arabia.
2. Mutamad workshop, Deanship of Quality and Academic Accreditation, King Abdulaziz University, Jeddah, Saudi Arabia.
3. Machine learning workshop, King Abdulaziz University, Jeddah, Saudi Arabia.
4. CCNA Routing and Switching (CCNA1) certified by CISCO Network Academy..
5. Data Science Workshop, Jeddah, Saudi Arabia.
6. Diploma of Professional Development for University Education, Jeddah, Saudi Arabia.

## Social, Scientific and Professional Affiliation.

1. 2019-2019, Head of Jury Committee in the 4th IET GCC Robotics Challenge, Effat University, Jeddah, Saudi Arabia.

## Excellence Awards and Patents.

1. 2020, Interior, 11th Scientific Forum for King Abdulaziz University Students, King Abdulaziz University, Jeddah, Saudi Arabia.
2. 2021, Interior, 12th Scientific Forum for King Abdulaziz University Students, King Abdulaziz University, Jeddah, Saudi Arabia.

## Funded Projects.

1. 2023, Towards Delay Tolerant Networking for Connectivity Aware Routing Protocol for VANET-WSN Communications, KAU

## Publications.

1. Abeer Hakeem, Layan Fakhurji, Raneem Alshareef, Elaf Aloufi, Manar Altairy, Afraa Attiah, Linda Mohaisen, "Grocafast: Revolutionizing Grocery Shopping For Seamless Convenience And Enhanced User Experience", International Journal Of Advanced Computer Science And Applications, vol: 15, 2024.  
DOI: [10.14569/IJACSA.2024.01504116](https://doi.org/10.14569/IJACSA.2024.01504116)
2. Shehzadi Nazeem Saleem, Linda Mohaisen, "Assisted Requirements Selection By Clustering Using An Analytical Hierarchical Process", International Journal Of Advanced Computer Science And Applications, vol: 15, 2024.  
DOI: [10.14569/IJACSA.2024.0150403](https://doi.org/10.14569/IJACSA.2024.0150403)
3. Linda Mohaisen, "An In-Depth Comparative Study Of Machine Learning Algorithms For American Sign Language Recognition", The 2nd International Conference On Science, Engineering And Advanced & Lrm; Technology (Icseat 2024), 2024.
4. Shahriar Md Arman, Tao Yang, Shahadat Shahed, Alanoud Al Mazroa, Afraa Attiah, Linda Mohaisen, "A Comprehensive Survey For Privacy-Preserving Biometrics: Recent Approaches, Challenges, And Future Directions", Computers, Materials & Continuum, vol: 78, pp. 2087-2110, 2024.  
DOI: [10.32604/cmc.2024.047870](https://doi.org/10.32604/cmc.2024.047870)
5. Yan Jiang, Guisheng Yin, Weipeng Jing, Linda Mohaisen, Mahmoud Emam, Ye Yuan, "Box-Spoof Attack Against Single Object Tracking", Applied Intelligence, 2024.  
DOI: [10.1007/s10489-023-05264-2](https://doi.org/10.1007/s10489-023-05264-2)
6. Basma Mohamed, Linda Mohaisen, Mohammed Amin, "Binary Archimedes Optimization Algorithm For Computing Dominant Metric Dimension Problem", Intelligent Automation & Soft Computing, vol: 38, pp. 19-34, 2023.  
DOI: [10.32604/iasc.2023.031947](https://doi.org/10.32604/iasc.2023.031947)
7. Shatha Alharbi, Daniyal Alghazzawi, Abeer Hakeem, Linda Mohaisen, Li Cheng, Afraa Attiah, "A Blockchain-Based Collaborative Intrusion Detection Systems Framework", Ieee Internet Of Things Journal, pp. 1-1, 2023.  
DOI: [10.1109/JIOT.2023.3347492](https://doi.org/10.1109/JIOT.2023.3347492)
8. Li Li, Jianfeng Lu, Shanqing Zhang, Linda Mohaisen, Mahmoud Emam, "Frame Duplication Forgery Detection In Surveillance Video Sequences Using Textural Features", Electronics, vol: 12, pp. 4597, 2023.  
DOI: [10.3390/electronics12224597](https://doi.org/10.3390/electronics12224597)
9. Dandan Li, Hailiang Lu, Chao Li, Linda Mohaisen, Weipeng Jing, "Forest Height Inversion By Convolutional Neural Networks Based On L-Band Polinsar Data Without Prior Knowledge Dependency", Ieee Journal Of Selected Topics In Applied Earth Observations And Remote Sensing, pp. 1-11, 2023.  
DOI: [10.1109/JSTARS.2023.3328403](https://doi.org/10.1109/JSTARS.2023.3328403)
10. Shatha Alahmadi, Abeer Hakeem, Afraa Attiah, Bandar Alghamdi, Linda Mohaisen, "Towards Scalable And Privacy-Enhanced On-Street Parking Management: A Roadmap For Future Inquiry", Electronics, vol: 12, pp. 4160, 2023.  
DOI: [10.3390/electronics12194160](https://doi.org/10.3390/electronics12194160)
11. Weipeng Jing, Tongtong Lou, Zeyu Wang, Weitao Zou, Zekun Xu, Linda Mohaisen, Chao Li, Jian Wang, "A Rigorously-Incremental Spatiotemporal Data Fusion Method For Fusing Remote Sensing Images", Ieee Journal Of Selected Topics In Applied Earth Observations And Remote Sensing, pp. 1-15, 2023.  
DOI: [10.1109/JSTARS.2023.3296468](https://doi.org/10.1109/JSTARS.2023.3296468)
12. Basma Mohamed, Linda Mohaisen, Mohamed Amin, "Computing Connected Resolvability Of Graphs Using Binary Enhanced Harris Hawks Optimization", Intelligent Automation And Soft Computing, vol: 36, pp. 2349-2361, 2023.  
DOI: [10.32604/iasc.2023.032930](https://doi.org/10.32604/iasc.2023.032930)
13. Linda Mohaisen, Laurie Joiner, "Towards Delay Tolerant Networking For Connectivity Aware Routing Protocol For Vanet-Wsn Communications", Applied Sciences-Basel, 2023.

## **Publications.**

14. Basma Mohamed, Linda Mohaisen, Mohamed Amin, Guokai Zhang, "Binary Equilibrium Optimization Algorithm For Computing Connected Domination Metric Dimension Problem", Scientific Programming, vol: 2022, pp. 1-15, 2022.  
DOI: [10.1155/2022/6076369](https://doi.org/10.1155/2022/6076369)
15. Linda F. Mohaisen, Laurie L. Joiner, "Interference Aware Bandwidth Estimation For Load Balancing In Emhr-Energy Based With Mobility Concerns Hybrid Routing Protocol For Vanet-Wsn Communication", Ad Hoc Networks, vol: 66, pp. 1-15, 2017.  
DOI: [10.1016/j.adhoc.2017.08.004](https://doi.org/10.1016/j.adhoc.2017.08.004)