

Academic Resume



Nawaf Alhebaishi

Assistant Professor, Information Systems Department

Contact Information.

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Highest Degree.

2020, Information and Systems Engineering, Computer Science, Concordia University, Canada.

Academic and Professional Experiences.

1. **2023 - Present**
Deputy Director of Digital Transformation Center for Measurement and Governance Affairs, Digital Transformation Center, King Abdulaziz University.
2. **2021 - Present**
Assistant Professor in Faculty of Computing & IT, King Abdulaziz University, Faculty of Computing and Information Technology, King Abdulaziz University.
3. **2021 - 2023**
General supervisor of the educational affairs unit in Faculty of Computing & IT, King Abdulaziz University, Faculty of Computing and Information Technology, King Abdulaziz University.
4. **2012 - 2014**
Lecturer, Faculty of Computing and Information Technology, King Abdulaziz University.
5. **2008 - 2009**
Teacher Assistant in Faculty of Computing & IT, King Abdulaziz University, . .
6. **2007 - 2009**
Director of the educational affairs administration, Faculty of Computing and Information Technology, King Abdulaziz University.
7. **2006 - 2007**
Technical support supervisor, Faculty of Computing and Information Technology, King Abdulaziz University.
8. **2003 - 2006**
Help desk, Science College, King Abdulaziz University.

Research Interests.

Cyber Security, Threat modeling, Cloud Security, Network Functions Virtualization (NFV) Security.

Teaching Interests.

Security, Networking, Database, Cloud Computing, Cloud Security.

Certifications and Trainings.



Social, Scientific and Professional Affiliation.

Publications.

1. Adil O. Khadidos, Nawaf Alhebaishi, Alaa O. Khadidos, Mohammed Altwijri, Ayman G. Fayoumi, Mahmoud Ragab, "Efficient Key Distribution For Secure And Energy-Optimized Communication In Wireless Sensor Network Using Bioinspired Algorithms", Alexandria Engineering Journal, vol: 92, pp. 63-73, 2024.
DOI: [10.1016/j.aej.2024.02.064](https://doi.org/10.1016/j.aej.2024.02.064)
2. Mahmoud Ragab, Alaa O. Khadidos, Abdulrhman M. Alshareef, Adil O. Khadidos, Mohammed Altwijri, Nawaf Alhebaishi, "Optimal Deep Transfer Learning Driven Computer-Aided Breast Cancer Classification Using Ultrasound Images", Expert Systems, 2023.
DOI: [10.1111/exsy.13515](https://doi.org/10.1111/exsy.13515)
3. Nawaf Alhebaishi, "An Artificial Intelligence (Ai) Based Energy Efficient And Secured Virtual Machine Allocation Model In Cloud", 2022 3rd International Conference On Computing, Analytics And Networks (Ican), pp. 1-8, 2022.
DOI: [10.1109/ICAN56228.2022.10007164](https://doi.org/10.1109/ICAN56228.2022.10007164)
4. Anil V Turukmane, Nawaf Alhebaishi, Abdulrhman M. Alshareef, Olfat M. Mirza, Arpit Bhardwaj, Bharat Singh, "Multispectral Image Analysis For Monitoring By Iot Based Wireless Communication Using Secure Locations Protocol And Classification By Deep Learning Techniques", Optik, pp. 170122, 2022.
DOI: [10.1016/j.ijleo.2022.170122](https://doi.org/10.1016/j.ijleo.2022.170122)
5. Muralidharan C, Mohamed Sirajudeen Y, Shitharth S, Nawaf Alhebaishi, Rayan H. Mosli, Hassan Haes Alhelou, "Three-Phase Service Level Agreements And Trust Management Model For Monitoring And Managing The Services By Trusted Cloud Broker", Iet Communications, 2022.
DOI: [10.1049/cmu2.12484](https://doi.org/10.1049/cmu2.12484)
6. Hassan A. Alterazi, Pravin R. Kshirsagar, Hariprasath Manoharan, Shitharth Selvarajan, Nawaf Alhebaishi, Gautam Srivastava, Jerry Chun-Wei Lin, "Prevention Of Cyber Security With The Internet Of Things Using Particle Swarm Optimization", Sensors, vol: 22, pp. 6117, 2022.
DOI: [10.3390/s22166117](https://doi.org/10.3390/s22166117)
7. Pravin R. Kshirsagar, Hariprasath Manoharan, Hassan A. Alterazi, Nawaf Alhebaishi, Osama Bassam J. Rabie, S. Shitharth, Sweta Bhattacharya, "Construal Attacks On Wireless Data Storage Applications And Unraveling Using Machine Learning Algorithm", Journal Of Sensors, vol: 2022, pp. 1-13, 2022.
DOI: [10.1155/2022/9386989](https://doi.org/10.1155/2022/9386989)
8. Nawaf Alhebaishi, Abdulrhman M. Alshareef, Tawfiq Hasanin, Raed Alsini, Gyanendra Prasad Joshi, Seongsoo Cho, Doo Ill Chul, "Soft Computing Based Metaheuristic Algorithms For Resource Management In Edge Computing Environment", Computers, Materials & Continua, vol: 72, pp. 5233-5250, 2022.
DOI: [10.32604/cmc.2022.025596](https://doi.org/10.32604/cmc.2022.025596)
9. PENGBO WAN, NAWAF ALHEBAISHI, QI LIU, "Financial Time Series Using Nonlinear Differential Equation Of Gaussian Distribution Probability Density", Fractals, vol: 30, 2022.
DOI: [10.1142/S0218348X22400849](https://doi.org/10.1142/S0218348X22400849)
10. Gharbi Alshammari, Abdulsattar Abdullah Hamad, Zeyad M. Abdullah, Abdulrhman M. Alshareef, Nawaf Alhebaishi, Abdullah Alshammari, Assaye Belay, Shalli Rani, "Applications Of Deep Learning On Topographic Images To Improve The Diagnosis For Dynamic Systems And Unconstrained Optimization", Wireless Communications And Mobile Computing, vol: 2021, pp. 1-7, 2021.
DOI: [10.1155/2021/4672688](https://doi.org/10.1155/2021/4672688)
11. Nawaf Alhebaishi, Lingyu Wang, Anoop Singhal, "Threat Modeling For Cloud Infrastructures", Ict Transactions On Security And Safety, vol: 5, pp. 156246, 2019.
DOI: [10.4108/eai.10-1-2019.156246](https://doi.org/10.4108/eai.10-1-2019.156246)

Publications.

12. Nawaf Alhebaishi, Lingyu Wang, Sushil Jajodia, Anoop Singhal, "Mitigating The Insider Threat Of Remote Administrators In Clouds Through Maintenance Task Assignments", Journal Of Computer Security, vol: 27, pp. 427-458, 2019.
DOI: [10.3233/JCS-191306](https://doi.org/10.3233/JCS-191306)
13. Nawaf Alhebaishi, Lingyu Wang, Sushil Jajodia, Anoop Singhal, "Mitigating The Insider Threat Of Remote Administrators In Clouds Through Maintenance Task Assignments", Journal Of Computer Security, vol: 27, pp. 427-458, 2019.
DOI: [10.3233/JCS-191306](https://doi.org/10.3233/JCS-191306)
14. Nawaf Alhebaishi, Lingyu Wang, Sushil Jajodia, Anoop Singhal, "Modeling And Mitigating The Insider Threat Of Remote Administrators In Clouds", vol: 10980, pp. 3-20, 2018.
DOI: [10.1007/978-3-319-95729-6_1](https://doi.org/10.1007/978-3-319-95729-6_1)
15. Nawaf Alhebaishi, Lingyu Wang, Sushil Jajodia, Anoop Singhal, "Threat Modeling For Cloud Data Center Infrastructures", vol: 10128, pp. 302-319, 2016.
DOI: [10.1007/978-3-319-51966-1_20](https://doi.org/10.1007/978-3-319-51966-1_20)