List of Master Research Publications
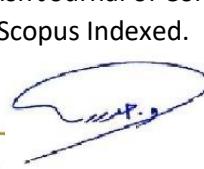
Information Technology Department

Program: Mater in Cybersecurity

1. Aloufi, Bashayer Othman, and Wajdi Alhakami. 2023. "A Lightweight Authentication MAC Protocol for CR-WSNs" Sensors 23, no. 4: 2015. https://doi.org/10.3390/s23042015

2. Aljumaie, Ghada Sultan, and Wajdi Alhakami. 2022. "A Secure LEACH-PRO Protocol Based on Blockchain" Sensors 22, no. 21: 8431. https://doi.org/10.3390/s22218431

3. Bayan. Al-Amri, Gofran. Sami and Wajdi. Alhakami, "An effective secure MAC protocol for cognitive radio networks," Computer Systems Science and Engineering, vol. 42, no.1, pp. 133–148, 2022. https://doi.org/10.32604/csse.2022.021543

4. Alzeer GH, Aljumaie GS, Alhakami W. Security and threats of RFID and WSNs: comparative study. International Journal of Advanced Computer Science and Applications. 2021;12(5). DOI:10.14569/IJACSA.2021.0120534

5. Almalki T, Alzahrani S, Alhakami W. Healthcare Security based on Blockchain. International Journal of Computer Science & Network Security. 2021;21(8):149-60.

6. Almtrafi S, Alkhudadi B, Sami G, Alhakami W. Security threats and attacks in Internet of Things (IOTs). International Journal of Computer Science & Network Security. 2021 Jan;21(1):107-18.

7. Almalki S, Alghamdi R, Sami G, Alhakami W. Social media security and attacks. International Journal of Computer Science & Network Security. 2021 Jan;21(1):174- 83.

8. Alotaibi L, Alnfiai M, Alhakami W. Distributed System Cryptocurrency and Data Transfer. IJCSNS. 2021 Jan;21(1):77.

9. Al-Ghuraybi, H.A., AlZain, M.A. & Soh, B. Exploring the integration of blockchain technology, physical unclonable function, and machine learning for authentication in cyber-physical systems. Multimed Tools Appl (2023). https://doi.org/10.1007/s11042-023-16979-2. ISI indexed.

www.tu.edu.sa

ملكة العربية السعودية – وزارة التعليم
الطائف · الحوية · ص.ب ٨٨٨ الرمز البريدي ٢١٩٧٤
هاتف ٠١٢٧٢٧٢٠٢٠ · فاكس ٠١٢٧٢٧٤٢٩٩

الرقــم
التاريـخ
المرفقـات
الموضوـ

10. Al-Ghuraybi, H.A., AlZain, M.A. & Soh, B. Ensuring authentication in Medical CyberPhysical Systems: A comprehensive literature review of blockchain technology integration with machine learning. Multimed Tools Appl (2023). https://doi.org/10.1007/s11042-023- 17065-3, ISI indexed.

11. Alkhaldi, S., AlZain, M. A., & Masud, M. (2022). Data protection in cloud educational system in Saudi Arabia. International Journal of Health Sciences, 6(S1), 8879–8902. https://doi.org/10.53730/ijhs.v6nS1.7031. Scopus indexed.

12. Alkhaldi, S., AlZain, M. A., & Masud, M. (2022). SCES proposed model for data protection in cloud educational system in Saudi Arabia. International Journal of Health Sciences, 6(S3), 5090–5126. https://doi.org/10.53730/ijhs.v6nS3.7018. Scopus indexed.

13. Amal H. Al Suhaimi, M. A. AlZain, Mehedi Masud, N. Z. Jhanjhi, Jehad Al-Amri and M. Baz, A Blockchain based Security Mechanism for IoT, Design Engineering (2021), pp. 11935 - 11947. Scopus Indexed.

14. Noura Al Otibi, M. A. AlZain, Mehedi Masud, N. Z. Jhanjhi, Jehad Al-Amri and M. Baz, A Comprehensive study of Biometrics and Authentication Techniques: Security Challenges, Design Engineering (2021), pp. 11948 - 11960. Scopus Indexed.

15. Tghreed S. Al-Harthi, M. A. AlZain, Mehedi Masud, N. Z. Jhanjhi, Jehad Al-Amri and M. Baz, Cyber Security issues in Internet of Things and Countermeasures against attacks, Design Engineering (2021), pp. 11961 - 11976. Scopus Indexed.

16. Sana R. Alkhaldi, M. A. AlZain, Mehedi Masud, N. Z. Jhanjhi, Jehad Al-Amri and M. Baz, Protecting E-mail Form Phishing Attacks: Security awareness, Design Engineering (2021), pp. 12023 - 12038. Scopus Indexed.

17. Shahlla AlOtaibi, M. A. AlZain, Mehedi Masud, N. Z. Jhanjhi, Jehad Al-Amri and M. Baz, Secure Mobile Cloud Computing Environment against Phishing Attack, Design Engineering (2022), pp. 14100 - 14116. Scopus Indexed.

18. Jawaher Alharthi, M. A. AlZain, Mehedi Masud, N. Z. Jhanjhi, Jehad Al-Amri and M. Baz, A Comprehensive study of Security Attacks in Internet of Things, Design Engineering (2022), pp. 14148 - 14161. Scopus Indexed.

19. A. Alsubhi, M. A. AlZain, Mehedi Masud, NZ Jhanjhi, Jehad Al-Amri and M. Baz, Awareness of Security Threats in Social Media, Turkish Journal of Computer and Mathematics Education, 12 (2021), pp. 3093-3100. Scopus Indexed.

www.tu.edu.sa

المملكة العربية السعودية – وزارة التعليم
الطائف - الحوية - ص.ب ٨٨٨ الرمز البريدي ٢١٩٧٤
هاتف ٠١٢٧٢٧٢٠٢٠ - فاكس ٠١٢٧٢٧٤٢٩٩

الرقـ
التاريـ
المرفـ
الموضـ

20. B. O. ALOFFI, M. A. AlZain, Mehedi Masud, NZ Jhanjhi, Jehad Al-Amri1 and M. Baz, Real Time Network Security Intrusions and Risk Management: A Survey, Turkish Journal of Computer and Mathematics Education, 12 (2021), pp. 3101-3109. Scopus Indexed.

21. N. N. ALshehri, M. A. AlZain, Mehedi Masud, NZ Jhanjhi, Jehad Al-Amri and M. Baz, Controlling Internet of Things with different platforms: Security and Privacy challenges, Turkish Journal of Computer and Mathematics Education, 12 (2021), pp. 3110-3116. Scopus Indexed.

22. O. M. AlMendah, M. A. AlZain, Mehedi Masud, NZ Jhanjhi, Jehad Al-Amri and M. Baz, A Survey of Blockchain and E-governance applications: Security and Privacy issues, Turkish Journal of Computer and Mathematics Education, 12 (2021), pp. 3117-3125. Scopus Indexed.

23. S. M. Alnemari, M. A. AlZain, Mehedi Masud, NZ Jhanjhi, Jehad Al-Amri and M. Baz, A Comprehensive Survey of Internet of Things Security Challenges and possible Solutions, Turkish Journal of Computer and Mathematics Education, 12 (2021), pp. 3135-3142. Scopus Indexed.

24. K. Y. Najmi, M. A. AlZain, Mehedi Masud, N.Z. Jhanjhi, Jehad Al-Amri and M. Baz, A survey on security threats and countermeasures in IoT to achieve users confidentiality and reliability, Materials Today: Proceedings (2021). Scopus Indexed

25. Abeer A. AL-Otaibi, Mohammed A. AlZain, Ben Soh, Mehedi Masud, Jehad Al-Amri, A New Era with Blockchain Technology in Saudi Arabia, International Journal of Emerging Trends in Engineering Research (IJETER), (2019-2020),Vol.7 No 12 Scopus

26. Hind Alshambri, Mohammed A. AlZain, Ben Soh, Mehedi Masud, Jehad Al-Amri, Cybersecurity attacks on wireless sensor networks in smart cities: an exposition, International Journal of Scientific & Technology Research(IJSTR),(2020)Vol.8 no.1 Scopus.

27. May A. Alotaibi, Mohammed A. AlZain, Ben Soh, Mehedi Masud, Jehad Al-Amri, Computer Forensics: Dark Net Forensic Framework and Tools Used for Digital Evidence Detection, International journal of communication network and information security (IJCNIS), vol. 11no.3 -Scopus Indexed.

www.tu.edu.sa

المملكة العربية السعودية – وزارة التعليم
الطائف - الحوية - ص.ب ٨٨٨ الرمز البريدي ٢١٩٧٤
هاتف ٠١٢٧٢٧٢٠٢٠ - فاكس ٠١٢٧٢٧٤٢٩٩

الرقـــم:
التاريـخ:
المرفقات:
الموضــوع:

28. Asalah F Altwairqi, Mohammed A. AlZain, Ben Soh, Mehedi Masud, Jehad Al-Amri, Four Most Famous Cyber Attacks for Financial Gains : A Dichotomous Analysis , International Journal of Engineering and Advanced Technology (IJEAT) Volume-9 Issue-2, December 2019, ISSN: 2249-8958 -Scopus Indexed

29. Ohoud Al-Harthi, Mohammed A. AlZain, Jehad Al-Amir, Mohammed Baz, Mehedi Masud, A competitive Study between Different Cryptographic Algorithms: Caesar Algorithm & Genetic Algorithm, International Journal of Scientific &Technology Recerch (IJSTR), VOLUME 9, ISSUE 01, JANUARY 2020 -Scopus Indexed

30. Reem K. Alqurashi, Mohammed A. AlZain, Ben Soh, Mehedi Masud, Jehad Al-Amri, Cyber Attacks and Impacts: A Case Study in Saudi Arabia, Journals of the World Academy of Research in Science and Engineering, Vol.8 No 6(2019) -Scopus Indexed

31. Lama Alhathally, Mohammed A. AlZain, Jehad Al-Amri, Mohammed Baz, Mehedi Masud, Cybersecurity Attacks: Exploiting weaknesses, International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-5, (January 2020) Scopus Indexed

32. Ohoud Al-Thobaiti, Mohammed A. AlZain, Jehad Al-Amri, Mohammed Baz, Mehedi Masud, An extensive study of Honeypot technique, International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE) , Volume 8, No.6, November – December 2019 -Scopus Indexed

33. Asma Alsufyani, Mohammed A. AlZain, Ben Soh, Mehedi Masud, Jehad Al-Amri, Application of Blockchain in Healthcare in Saudi Arabia, International Journal of computer science and technology, Vol.11 No 1(2020)

34. Bayan O Al-Amri, Mohammed A. AlZain, Jehad Al-Amri, Mohammed Baz, Mehedi Masud, A Comprehensive Study of Privacy Preserving Techniques in Cloud Computing Environment, Advances in Science, Technology and Engineering Systems Journal, Vol. 5, No. 2, 419-424 (2020)

35. Nujud. A. Alabdali, M. A. AlZain, M. Masud, J. Al-Amri and M. Baz, BITCOIN AND DOUBLE-SPENDING: HOW PAVING THE WAY FOR BETTERMENT LEADS TO EXPLOITATION, Indian Journal of Computer Science and Engineering, vol.11, No. 1, (2020).

www.tu.edu.sa

المملكـة العربية السعودية – وزارة التعليم
الطائف - الحوية - ص.ب ٨٨٨ الرمز البريدي ٢١٩٧٤
هاتف ٠١٢٧٢٧٢٠٢٠ - فاكس ٠١٢٧٢٧٤٢٩٩

الرقـــــم:
التاريــخ: /
المرفقــات:
الموضــوع:

36. Alkhathami, J.M.; Alzahrani, S.M. Detection of Sql Injection Attacks Using Machine Learning in Cloud Computing Platform. J. Theor. Appl. Inf. Technol. 2022, 100, 5446–5459

37. Alsufyani, A.A.; Alzahrani, S.M. Social Engineering Attack Detection Using Machine Learning: Text Phishing Attack. Indian J. Comput. Sci. Eng. 2021, 12, 743–751

38. Alqurashi RK, Al-harthi OS, Alzahrani SM (2020) Detection of IP spoofing attack. Int J Eng Res Technol 13(10):2736. https://doi.org/10.37624/IJERT/13.10.2020.2736-2741

39. May A Alotaibi, Asalah Altwairqi, Abeer Alotaibi and Sabah M Alzaharni,. Distributed Denial Of Service Attacks Simulation And Defense,. International Journal of Advanced Research in Engineering and Technology (IJARET) Volume 11, Issue 10, October 2020, pp. 1606-1620,