Qussai Yaseen, Ph.D.

Associate Professor

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Qussai.Yaseen@gmail.com

Faculty of Engineering and Information Technology
Ajman University
Ajman, UAE

Google Scholar Page
Scopus Profile

Research Interests

I am mainly interested in cybersecurity, Malware Detection, Digital Forensics, Network Security, and Insider Threats. I have published many papers on network security, insider threats, IoT security, machine learning with cybersecurity (security analytics), spam filtering, etc. Furthermore, I have received several funds (Internal and External) to conduct research in cybersecurity fields. Moreover, I am a chair/TPC member/ Reviewer in many events, conferences, and journals in this field and other information technology fields.

Education

August 2008 – May 2012 **University of Arkansas, Fayetteville, AR, USA (www.uark.edu)**

PhD in Cybersecurity.

Dissertation Title: Mitigating Insider Threat in Relational Database Systems.
Advisor: Prof. Brajendra Panda

September 2003 – June 2006 **Jordan University of Science and Technology, Irbid, Jordan**

(www.just.edu.jo).

MSc. in Computer Science.
Thesis Title: A New Approach for Node Splitting in R-tree.

September 1998 – June 2002 **Yarmouk University, Irbid, Jordan (www.yu.edu.jo)**

BSc. in Computer Science.

Awards, Fellowships, and Assistantships

- Visiting Professor, University of West Attica, Greece, Erasmus+ Program, September 2 – 9, 2018.
- Visiting Professor, University of Piraeus, Greece, Erasmus+ Program, September 1 -9, 2017.
- Visiting Researcher, University of Minho, Portugal, ERASMUS MUNDUS program, May 13- June 14, 2017.
- Graduate Assistantship, University of Arkansas, USA, August 2008 – May 2012.
- Earl Beling Doctoral Fellowship, College of Engineering, University of Arkansas, 2011.
- Bachelor Education Fellowship, Yarmouk University, Jordan, 1998-2002.

Funded Projects

- **PI**. Using Memory Forensics in Malware Analysis and Investigations. Ajman University, 20000 AED, 2023.

- **Co-PI.** Machine Learning and recursive feature elimination-based IoT attack detection system with MLP optimization. Ajman University, UAE, Grant Number 2023-IRG-ENIT-26, AED 20000, 2023.
- **PI.** Enhancing Ransomware Identification using Machine Learning. Ajman University, UAE, Grant Number **2021-IRG-ENIT-19,** AED 15000, 2022.
- **PI**. A Fog Computing Based Model for Building a Global IoT Reputation System, Jordan University of Science and Technology, Jordan, Grant Number 112-2019, JD 7500. 2020.

Publications

- **Book Chapter**
1. **Qussai Yaseen,** Insider Threat in Banking Systems. Book: Online Banking Security Measures and Data Protection. In the Advances in Information Security, Privacy, and Ethics (AISPE) Book Series, IGI Publications, USA, 2017.

- **Articles Published in Professional Journals**

2. **Q. Yaseen**, M. Aldwairi and A. Manasrah. A Reputation-based AODV Protocol for Blackhole and Malfunction Nodes Detection and Avoidance. J. Computers, Materials & Continua CMC. 2024.

3. A. Almomani, K. Nahar, M. Alauthman, M. Albetar, **Q. Yaseen** and B. Gupta. Image Cyberbullying Detection and Recognition using Transfer Deep Machine Learning. International Journal of Cognitive Computing in Engineering, 2024.

4. E. Odat and **Q**. **Yaseen**. A Novel Machine Learning Approach for Android Malware Detection Based on the Co-Existence of Features. IEEE Access, 11, 15471-15484, 2023.

5. **Q**. **Yaseen**. The Effect of the Ransomware Dataset Age on the Detection Accuracy of Machine Learning Models. Information, 14(3), 2023.

6. M. AlJarrah, **Q. Yaseen**, A. Mustafa. A Context-Aware Android Malware Detection Approach Using Machine Learning. *Information*, 13, 563. 2022.

7. E. Odat, B. Alazzam and **Q. Yaseen**. Detecting Malware Families and Subfamilies using Machine Learning Algorithms: An Empirical Study. *International Journal of Advanced Computer Science and Applications*, 2022.

8. **Q. Yaseen** and Y. Jararweh. Building an Intelligent Global IoT Reputation and Malicious Devices Detecting System. *Journal of Network and Systems Management/Special Issue on Cybersecurity Management in the Era of AI*, *Springer*. 2021.

9. Q. Althebyan, Y. Jararweh, **Q. Yaseen,** R. Mohawesh. A knowledgebase insider threat mitigation model in the cloud: a proactive approach. *International Journal of Advanced Intelligence Paradigms*. 15(4), 417-436, 2020.

10. Y. Jararweh, M. Shehab, **Q. Yaseen** and M. Al-Ayyoub. Improving Classification and Clustering Techniques Using GPUs. *Journal of Concurrency and Computation: Practice and Experience,* 2019.

11. **Q. Yaseen,** M. Aldwairi, Y. Jararweh, M. Alayoub and Brij Gupta. Collusion attacks mitigation in the internet of things: a fog based model. *Journal of Multimedia Tools and Applications*, 77 (14), 18249-18268, Springer, 2018.

12. **Q. Yaseen**, Y. Jararweh and K. N. Viet. An Evaluation and Analysis of Static and Adaptive Bayesian Spam Filters. *Journal of Internet Technology 19 (4), 1015-1022*, 2018.

13. **Q. Yaseen**, F. Albalas, Y. Jararweh and M. AlAyyoub. Leveraging Fog Computing and Software Defined Systems for Selective Forwarding Attacks Detection in Mobile Wireless Sensor Networks. *Journal of Transactions on Emerging Telecommunications Technologies*, 29 (4), e3183, Wiley, 2018.

14. **Q. Yaseen,** Y. Jararweh, B. Panda, and Q. Althebyan. An Insider Threat Aware Access Control for Cloud Relational Databases. *Journal of Cluster Computing*, Springer, 2017.

15. Q. Althebyan, O. Alqudah, Y. Jararweh, **Q. Yaseen**. A Scalable Map Reduce Tasks Scheduling: A Threading Based Approach, *International Journal of Computational Science and Engineering*, InderScience, 2017.

16. Q. Althebyan, **Q. Yaseen**, Y. Jararweh, M. AlAyyoub. Cloud Support for Large Scale E-Healthcare Systems. *Journal of Annals of Telecommunications/Special Issue Healthcare on Smart and Mobile Devices*, Springer, 2016.

17. **Q. Yaseen**, Q. Althebyan, B. Panda, Y. Jararweh. Mitigating Insider Threat in Cloud Relational Databases. *Journal of Security and Communication Networks*, Wiley, 2016,

18. Q. Althebyan, Y. Jararweh, **Q. Yaseen**, O. AlQudah, M. AlAyyoub. Evaluating map-reduce tasks scheduling algorithms over cloud computing infrastructure, *Journal of Concurrency and Computation: Practice and Experience,* Wiley, 2015.

19. **Q. Yaseen** and I. Hmeidi. Extracting the Roots of Arabic Words without Removing Affixes, *Journal of Information Science*, Sage Publications, vol. 40 no. 3 376-385, 2014.

20. **Q. Yaseen** and B. Panda. Insider Threat Mitigation: Preventing Unauthorized Knowledge Acquisition, *International Journal of Information Security*, Springer, Volume 11, Issue 4, pp 269-280, 2012.

21. A. Badarneh, **Q. Yaseen** and I. Hmeidi. A new enhancement to the R-tree node splitting, *Journal of Information Science*, Sage Publications, Volume 36, Issue 1, pp. 3-18. 2010.

- **Articles Published in Refereed Conferences and Workshop Proceedings**

22. H. Alomari, **Q. Yaseen** and M. Al-Betar. Comparative analysis of various machine learning algorithms for Android malware detection, *In Proceedings of the 4th International Workshop of Data-Driven Security DDSW2023*, Leuven, Belgium March 15-17, 2023.

23. A. Migdady, L. Smadi and **Q. Yaseen**. A CNN and Image-Based Approach for Malware Analysis. In Proceedings of the 2022 International Conference on Emerging Trends in Computing and Engineering Applications (ETCEA), IEEE, 2022.

24. A. Shatnawi, **Q. Yaseen,** A. Yateem. An Android Malware Detection Approach Based on Static Feature Analysis Using Machine Learning Algorithms. *In Proceedings of the 5th International Conference on Emerging Data and Industry 4.0 (EDI40),* Porto, Portugal March 2022.

25. A. Mashaleh, N. Ibrahim, M. Al-Betar, H. Mustafa and **Q. Yaseen**. Detecting Spam Emails with Machine Learning Optimized with Harris Hawks optimizer (HHO) algorithm. *In Proceedings of the 5th International Conference on Emerging Data and Industry 4.0 (EDI40),* Porto, Portugal March 2022.

26. M. Almahmoud, D. Alzubi and **Q. Yaseen**. ReDroidDet: Android Malware Detection Based on Recurrent Neural Network. *In Proceedings of the 4th International Conference on Emerging Data and Industry 4.0 (EDI40)*, Warsaw, Poland, March 2021.

27. I. Abdulnabi and **Q. Yaseen**. Spam e-mail detection using deep learning techniques. *In Proceedings of the 4th International Conference on Emerging Data and Industry 4.0 (EDI40)*, Warsaw, Poland, March 2021.

28. Nour Alqudah and **Q. Yaseen.** Traffic analysis with machine learning: A review. *In Proceedings of the International Workshop of Data-Driven Security DDSW2020/3rd International Conference on Emerging Data and Industry 4.0 (EDI40)*, Warsaw, Poland, April 2020.

29. Z. Halloush and **Q. Yaseen**. "A Blockchain Model for Preserving Intellectual Property". *In Proceedings of the International Conference on Data Science, E-learning and Information Systems*, Dubai, UAE, December 2019.

30. **Q. Yaseen**, A. Alabdulrazzaq, F. Albalas. "A Framework for Insider Collusion Threat Prediction and Mitigation in Relational Databases". *In Proceedings of the 9th IEEE Annual Computing and Communication Workshop and Conference (CCWC)*, Las Vegas, USA, January 2019.

31. W. Mardini, M. Al-Soud, **Q. Yaseen**, "A Topology–based Performance Evaluation for an Adaptive Tuning Protocol for Service and Resource Discovery in the Internet of Things". *In Proceedings of the 9th IEEE Annual Computing and Communication Workshop and Conference (CCWC)*, Las Vegas, USA, January 2019.

32. **Q. Yaseen**, M. Aldwairi," An Enhanced AODV Protocol for Avoiding Black Holes in MANET", EICM 2018, Procedia Computer Science 134, 371-376, 2018.

33. **Q. Yaseen,** Y. Jararweh, M. Alayoub, and M. Aldwairi. "Collusion Attacks in Internet of Things: Detection and Mitigation using a Fog Based Model." *In the Proceedings of the 2017 Sensors Applications Symposium (SAS),* New Jersey, USA, March 2017.

34. M. Alayyoub, **Q. Yaseen**, M. Shehab, Y. Jararweh and F. Albalas . "Exploiting GPUs to Accelerate Clustering Algorithms." *In Proceedings of the 13th ACS/IEEE International Conference on Computer Systems and Applications AICCSA,* Agadir, Morocco, November 2016.

35. M. Alayyoub, **Q. Yaseen**, M. Shehab, Y. Jararweh and F. Albalas. "Accelerating Clustering Algorithms Using GPUs." T*he 14th IEEE High-Performance Extreme Computing Conference (HPEC-2016),* Boston, USA, 2016.

36. M. Alayyoub, **Q. Yaseen**, M. Shehab, F. Albalas and Y. Jararweh. "Accelerating FCM-Based Text Classification Algorithm Using GPUs." *The 14th IEEE High-Performance Extreme Computing Conference (HPEC-2016),* Boston, USA, 2016.

37. **Q. Yaseen**, F. Albalas, Y. Jararweh, M. Alayyoub. "A Fog Computing Based System for Selective Forwarding Detection in Mobile Wireless Sensor Networks." *In Proceedings of FAS* Foundations and Applications of Self* Systems Conference*, Augsburg, Germany, September 2016.

38. Q. Althebyan, R. Mohawesh, **Q. Yaseen**, and Y. Jararweh. "Mitigating Insider Threats in a Cloud Using a Knowledgebase Approach while Maintaining Data Availability." *In Proceedings of the 10th International Conference for Internet Technology and Secured Transactions (ICITST-2015),* London, UK, December 2015.

39. B. Panda and **Q. Yaseen,** "Defending Integrity against Insiders in Cloud Relational Databases", *In Proceedings of the 14th Annual Security Conference*, Las Vegas, NV, USA, May 2015.

40. Q. Althebyan, O.Alqudah, Y. Jararweh, and **Q. Yaseen**, "Evaluating Map-Reduce Tasks Scheduling Algorithms over Virtualized Infrastructure", *In Proceedings of the 2nd International IBM Cloud Academy Conference (ICA CON 2014)*, Atlanta, GA, USA, May 2014.

41. Q. Althebyan, O. Alqudah, Y. Jararweh, and **Q. Yaseen**, "Multi-Threading Based Map Reduce Tasks Scheduling", *In the Proceedings of the 5th International Conference on Information and Communication Systems (ICICS 2014),* Jordan, April 2014.

42. **Q. Yaseen**, Qutaibah Althebyan, and Yaser Jararweh, "PEP-Side Caching: An Insider Threat Port", *In Proceedings of the 14th IEEE Conference on Information Reuse and Integration (IRI2013)*, San Francisco, California, USA, August 2013.

43. **Q. Yaseen** and B. Panda, "Tackling Insider Threat in Cloud Relational Database Systems", *In Proceedings of the 5th IEEE/ACM International Conference on Utility and Cloud Computing*, Chicago, USA, Nov 2012.

44. W. Li, B. Panda, and **Q. Yaseen**, " Mitigating Insider Threat on Database Integrity", *In Proceedings of the 8th International Conference on Information Systems Security*, Guwahati, India, Dec 2012.

45. **Q. Yaseen** and B. Panda, "Mitigating Insider Threat without Limiting the Availability in Undeclared Tasks", *In Proceedings of the 6th IEEE Conference on Software Security and Reliability (SERE2012)*, Washington D.C, June 2012.

46. W. Li, B. Panda, and **Q. Yaseen**, "Malicious Users' Transactions: Tackling Insider Threat", *In Proceedings of 27th IFIP International Information Security and Privacy Conference (SEC2012)*, Greece, June 2012.

47. **Q. Yaseen** and B. Panda, "Enhanced Insider Threat Detection Model that Increases Data Availability", *In Proceedings of the 7th International Conference of Distributed Computing and Internet Technology*, Bhubaneswar, India, February 2011 (*Acceptance Rate 13%*).

48. **Q. Yaseen** and B. Panda, "Malicious Modification Attacks by Insiders in Relational Databases: Prediction and Prevention", *In Proceedings of the Second IEEE International Conference on Information Privacy, Security, Risk and Trust (PASSAT2010)*, Minneapolis, Minnesota, August 2010. (*Acceptance Rate: 11%)*

49. **Q. Yaseen** and B. Panda, "Organizing Access Privileges: Maximizing the Availability and Mitigating the Threat of Insiders' Knowledgebase", *In Proceedings of the Fourth International Conference on Network and System Security (NSS2010)*, Melbourne, Australia, September 2010.

50. **Q. Yaseen** and B. Panda, "Predicting and Preventing Insider Threat in Relational Databases", *In Proceedings of the 4th Workshop in Information Security Theory and Practice*, Passau, Germany, April 2010.

51. **Q. Yaseen** and B. panda, "Knowledge Acquisition and Insider Threat Prediction in Relational Database Systems*", In Proceedings of the 2009 International Conference on Computational Science and Engineering, Vancouver, Canada, August 2009,* Vancouver, Canada, pp.450-455, August 2009.

52. J. White, B. Panda, **Q. Yaseen**, W. Li, and K. Nguyen, "Detecting Malicious Insider Threats using a Null Affinity Temporal Three Dimensional Matrix Relation", *In Proceedings of the 7th International Workshop on Security in Information Systems (WOSIS 2009)*, Milan, Italy, May 2009.

Certificates

- Certified Cisco CCNA Instructor
- Certified Cisco CCNA Cyber Operations Instructor

Employment

August 2024 - Present	**Ajman University www.ajman.ac.ae** Ajman, UAE
August. 2021 – Present	**Program Coordinator of Cybersecurity and Networking program** **Ajman University www.ajman.ac.ae** Ajman, UAE

Associate Professor

Taught Courses:

- INT432 Ethical Hacking
- INT312 Network Security
- INT403 Cryptography
- INT303 Fundamentals of Information Security
- INT205 Data Communications and Networks
- INT100 Programming Foundations
- INT401 Graduation Project

Sept. 2018 – Sep. 2019   **Jordan University of Science and Technology, Jordan (www.just.edu.jo)**
Head of Computer Information Systems Department

Main Accomplishments:
- Founding Master of Data Science Program.
- Founding Master of Health Informatics Program.
- CIS department students ranked #1 in the Graduation Qualifying Exams at the Faculty of Computer and Information Technology (among 5 departments) Organized by the Jordanian Ministry of Higher Education.

Sep. 2017 – August 2021   **Jordan University of Science and Technology, Jordan (www.just.edu.jo)**
Associate Professor

Taught Courses:
- CIS 745 Data-Driven Security
- CIS 433 Information Security
- CIS 430 Healthcare Information Security and Privacy
- CIS 442 Computer Networks

Sept. 2014–Sep. 2017   **Jordan University of Science and Technology, Jordan (www.just.edu.jo)**
Assistant Professor

Taught Courses:
- CIS 433 Information Security
- CIS 430 Healthcare Information Security and Privacy
- CS 362 Artificial Intelligence
- CIS 442 Computer Networks

Sept. 2012 – Sep. 2014   **Yarmouk University, Irbid, Jordan (www.yu.edu.jo)**
Assistant Professor

Taught Courses:
- CS492 Computer Security
- CS 376 Artificial Intelligence
- CS 250 Data Structures
- CS 117 Objects Oriented Programming
- CS 101A Programming Foundations

Aug. 2011 – May 2012   **University of Arkansas, Fayetteville, AR, USA (www.uark.edu)**
Teaching Assistant

My duties were:
- Helping students with lab assignments.
- Preparing labs and assignments.
- Preparing homework.
- Preparing exams and grading.

Aug. 2008 – Aug. 2011   **University of Arkansas, Fayetteville, AR, USA (www.uark.edu)**

Research Assistant, Security/ Database Security

(http://isr.csce.uark.edu/labnew.html).

Sept. 2006 – Aug. 2008   **Al Balqaa University, Aqaba, Jordan** (www.bau.edu.jo)
Instructor.

Taught Courses:
- Data Structures
- Using Information Resources in Management Information Systems
- Databases
- Networks Management
- VBA
- Visual Basic.

Mar. 2003 – Sep. 2006   **Irbid Private University, Irbid, Jordan** (www.inu.edu.jo)
Lab Administrator/ Teaching Assistant.

Professional Presentations

- Insider Threat in Relational Database Systems: Prediction and Prevention, CSCE Seminar Series at University of Arkansas, October 22, 2010.

Organizing Workshops

- Healthcare Security and Privacy in Jordan, Jordan University of Science and Technology, April 2017.

The workshop was organized to compare the regulations and laws that protect healthcare information privacy and security in Jordanian Hospitals and those used in the USA. Representatives from military hospitals, private hospitals, and university hospitals attended the workshop and gave presentations. The workshop discussions led to important suggestions regarding improving the regulations and laws used to protect healthcare information security and privacy in Jordan.

Professional Service

- **Curriculum Development**
  o **Head:** Cybersecurity Program Committee, Ajman University, UAE, 2023.
  o **Head:** Cybersecurity Program Committee, Jordan University of Science and Technology, Jordan, 2020.
- **Cybersecurity Expert:**
  o HEAC Committee member for the Cybersecurity Accreditation Program at Petra University, Jordan,2020.
  o HEAC Committee member for the Cybersecurity Accreditation Program at Yarmouk University, Jordan,2019.
- **Guest Editor:**
  o Special Issue on Big Data and Applications in the Cloud, International Journal of Cloud Applications and Computing (IJCAC), Volume 7: 4 Issues (2017): 1.

- **Chair:**
  o DDSW2024 -- The 5th International Workshop on Data-Driven Security, 2024, Hasselt, Belgium.
  o DDSW2023 -- The 4th International Workshop on Data-Driven Security, 2023, Leuven, Belgium.
  o DDSW2022 -- The 3rd International Workshop on Data-Driven Security, 2022, Porto, Portugal.
  o DDSW2021 -- The 2nd International Workshop on Data-Driven Security, 2021, Warsaw, Poland.
  o DDSW2020 – The International Workshop on Data-Driven Security, 2020, Warsaw, Poland.
  o IoTSMS-2017 - The Fourth International Symposium on Internet of Things: Systems, Management and Security, May 8-11, Valencia, Spain.
  o IoTSMS-2016 - The Third International Symposium on Internet of Things: Systems, Management and Security, November 2016, Agadir, Morocco.

- **Organizing Committee**:
  o ACIT2023 -- The International Arab Conference on Information Technology (ACIT), Ajman, UAE, 2023.

- **Publicity Chair:**
  o ICICS2020, April 2020, Irbid, Jordan.
  o ICICS2019, June 11-13, 2019, Irbid, Jordan.

- o ICICS2018, April 3-5, 2018, Irbid, Jordan.
- o ICICS2017, April 4-6, 2017, Irbid, Jordan.
- o ICEMIS2017, May 08-10, 2017, Monastir, Tunisia.
- o FMEC2017, May 8-11, 2017, Valencia, Spain.
- o FMEC/ISCW2016, September 2016, Augsburg, Germany.
- o ICEMIS2016, September 2016, Agadir, Morocco.

- **Track Chair:**
  - o The 21st International Conference on Mobile Systems and Pervasive Computing, August 5-7, 2024, Marshall University, Huntington, WV, USA
  - o The 20th International Conference on Mobile Systems and Pervasive Computing, July 24-26, 2023, Halifax, Canada.
  - o The 19th International Conference on Mobile Systems and Pervasive Computing, August 9-11, 2022, Niagara Falls, Ontario, Canada.
  - o The 18th International Conference on Mobile Systems and Pervasive Computing, August 9-12, 2021, Leuven, Belgium.
  - o The 16th International Conference on Mobile Systems and Pervasive Computing
    August 19-21, 2019, Halifax, Canada.
  - o Data Science and Its Applications, ICICS2019, June 11-13, 2019, Irbid, Jordan.
  - o Data Science and Its Applications, ICICS2018, April 3-5, 2018, Irbid, Jordan.
  - o Security, Privacy, and Digital Forensics, ICICS2018, April 3-5, 2017, Irbid, Jordan.
  - o SECURWARE2017, September 10 - 14, 2017, Rome, Italy.
  - o ICICS 2017: Systems and Software Security, April 4-6, 2017, Irbid, Jordan.

- **Program Committee Member:**
  - o EDI40 2024   April 2024, Hasselt, Belgium.
  - o ETCEA 2023   November 23 – 25, 2023, Karak, Jordan.
  - o ICICS 2022   June 21-23, 2022 ─ Irbid, Jordan
  - o SECURWARE 2022   October 16- 20, 2022 - Lisbon, Portugal
  - o EDI40 2021   March 23-26, Warsaw, Poland
  - o SECURWARE 2021 November 14-18, Athens, Greece
  - o ICICS2019   June 11-14, 2019, Irbid, Jordan.
  - o SECURWARE2019 October 27- 31, 2019, Nice, France
  - o FNC 2018   August 13-15, 2018, Gran Canaria, Spain
  - o ICICS2018   April 3-5, 2018, Irbid, Jordan.
  - o SECURWARE2018 September 16-20, 2018, Venice, Italy
  - o SECURWARE2017 September 10 - 14, 2017, Rome, Italy.
  - o FNC-2017   Jul 24-26, 2017, Leuven, Belgium.
  - o ICICS2017   April 4-6, 2017, Irbid, Jordan.
  - o ANT2016   May 23-26, 2016, Madrid, Spain.
  - o ICICS 2015   April 7-9, 2016, Amman, Jordan.
  - o ICICS 2014   April 1-3, 2014, Amman, Jordan.
  - o IEEE ICCVE 2014   November 3-7, 2014, Vienna, Austria.
  - o IEEE ICCVE 2013   December 2-6, 2013, Las Vegas, NV, USA.
  - o ICICS 2013   April 23-25, 2013, Irbid, Jordan.

- **Session Chair:**

- o ACIT2023 -- The International Arab Conference on Information Technology (ACIT), Ajman, UAE (2023).
  - o 9th International Conference on Information and Communication Systems (ICICS2018).
  - o 7th International Conference on Information and Communication Systems (ICICS 2016).
  - o 14th IEEE Conference on Information Reuse and Integration (IEEE IRI2013).

- **Reviewer (selected):**
  - o Wiener Wissenschafts-, Forschungs- und Technologiefonds (WWTF) | Vienna Science and Technology Fund.
  - o Journal of Computer Security, Elsevier (CompuSec).
  - o Journal of Future Generation Computer Systems.
  - o Transactions on Cloud Computing.
  - o Journal of Simulations and Modeling.
  - o International Journal of Cloud Applications and Computing (IJCAC).
  - o International Journal of Big Data Intelligence (IJBDI).
  - o Journal of Distributed and Parallel Databases (DAPD).

- **Master Thesis Examiner (selected):**
  1. Rawan Saqer Bani Easa, "A Dynamic Approach for Intrusion Detection Using Machine Learning", Yarmouk University, 2020.
  2. Mahmoud Aldwairi, "Towards Self-Healing XML documents Against Ransomware", Jordan University of Science and Technology, January 2020.
  3. Tariq Fakhri Alsmadi, "Dynamic Service Broker Routing Policy in Cloud Computing Using Vector Space Model", Yarmouk University, July 2019.
  4. Raeda Freehat, "A Reputation System to Detect DGA-based Botnets using DNS Traffic Mining in Monitored Network", Master thesis, Yarmouk University, 2019.
  5. Mahmoud Abu Naser, "A privacy-preserving multi-keyword searching approach in cloud computing for low resources devices", Master thesis, Yarmouk University, April 2018.
  6. Rasha Alhuthaifi, "Improving Antivirus Scanning Engines: Memory on-access scanner", Master Thesis, Jordan University of Science and Technology. December 2016.
  7. Weam Al-Talafhah, "A Resource-Efficient Encryption Algorithm for Multimedia Big Data", November 2016.
  8. Rami Mohawesh, "Mitigating Insider Threat in the Cloud", Master Thesis, Jordan University of Science and Technology. November 22, 2015.
  9. Muna Alshamaileh, "Investigating User Deleted Accounts for Digital Forensics", Master Thesis, Jordan University of Science and Technology. June 30, 2015.
  10. Mosab Alfaqeeh, "Topical Search engine for Cloud Computing Services", Master Thesis, Jordan University of Science and Technology. August 7, 2014.
  11. Omar Al-Qudah, "Multi-Threading Map Reduce Tasks Scheduling", Master Thesis, Jordan University of Science and Technology, January 16, 2014.
  12. Fadi Ababneh, "Secure Cloudlet-based Mobile Cloud Computing Model", Master Thesis, Jordan University of Science and Technology, January 2014.
  13. Elham Al-Alsharu, "Mobile Based Cloud Computing Modeling", Master Thesis, Jordan University of Science and Technology, July 25, 2013.
  14. Ahmad Ali Al-Daoud, "Autonomic Cloud Computing Resources Scaling", Master Thesis, Jordan University of Science and Technology, May 23, 2013.

Master Students

Current Students:

1. Maram Althyabat. Detecting Malicious Docker Images using Machine Learning. Jordan University of Science and Technology, Jordan.
2. Shimaa Kouka. IoT Intrusion Detection using Deep Learning. Ajman University, UAE.

Graduated:

3. Omar Olayan, Thesis Title: A Hybrid-Based Approach for Windows Malware Detection Using Machine Learning. Jordan University of Science and Technology, Jordan. 2023.
4. Esraa Oadat, Thesis Title: A Novel Machine Learning Approach for Android Malware Detection Based on the Co-Existence of Features. Jordan University of Science and Technology, Jordan, 2022.
5. Mohammad Aljarrah, Thesis Title: A Context-Aware Android Malware Detection Approach Using Machine Learning. Jordan University of Science and Technology, Jordan, 2022.
6. Aman AlZoubi, Thesis Title: Collusion Insider Threat: Prediction and Mitigation. April 2017.

Committees (Selected)

1.	Chair, Cybersecurity Founding Committee, Ajman University.	March 2023 – Present.
2.	Member, Inbound and Outbound Students Exchange, Ajman University.	August 2022 – Present.
3.	Member, CEIT Conference Committee, Ajman University.	August 2022 – Present.
4.	Member, Courses Quality Committee, Ajman University.	August 2022 – Present.
5.	Head, Associate Degree Programs, Ajman University.	Feb 2022 – May 2022.
6.	Member, Recruiting Committee, Ajman University.	Sep 2021 – Jan 2022.
7.	Head of Cybersecurity Program Committee/Jordan University of Science and Technology	October 2020 – Sep. 2021
2.	ABET and QA Committee/ CIS Dept., JUST University.	Sep. 2016 – Sep. 2021.
3.	Scientific Research Committee Head/CIS Dept./JUST University	Sep. 2020 – Sep. 2021.
4.	Higher Education Committee Member/CIS Dept./JUST University	Sep. 2020 – Sep. 2021.
5.	Committee Member/Information Security Expert at Accreditation and Quality Assurance Commission for Higher Education Institutions	Aug. 2019– Oct. 2019.
6.	Committee Member/Information Security Expert at Accreditation and Quality Assurance Commission for Higher Education Institutions	Mar 26– June 20, 2019
7.	Security Operation Center (SOC) officer/JUST University	Sep. 2019 – Sep. 2020.
8.	Curriculum Committee Head, IT college/JUST University	Sep. 2018 – Sep. 2019.
9.	Master of Data Science Curriculum, CIS Dept/JUST University	Sep. 2017 – Sep. 2019.
10.	ABET Readiness Report Committee Head/CIS Dept., JUST University	July 2017– Sep. 2019.
11.	Graduates Quality Exams Committee/ CIS Dept., JUST University.	Feb. 2017.
12.	Faculty Council Committee, JUST University.	Sep. 2016 – Sep. 2017
13.	Curriculum Committee/CIS Dept., JUST University.	Sep. 2016 – Sep. 2019
14.	Recruiting and Promotion Committee/CIS Dept., JUST University.	Sep. 2015- Sep. 2016.
15.	Faculty Socialization Committee, JUST University.	Sep. 2015 – Sep. 2016.
16.	Strategic Planning Committee/CIS Dept., JUST University.	Oct. 2015 – Sep. 2016.

References

Available Upon Request.