

Date: 30<sup>th</sup> January 2024

**Prof. Hesham Said Abusaimeh**  
SMIEEE, Ph.D., M.Sc., B.Sc.

## PERSONAL INFORMATION

**Title:** Dean, Faculty of Business, Mentor for the Faculty of IT.  
**Academic Rank:** Professor of Computer Science and Cyber Security  
**Date of Birth:** 18<sup>th</sup> December 1982  
**Nationality:** Jordanian  
**Phone No:** +962-79-5755355  
**e-mail:** [profhesham@abusaimeh.com](mailto:profhesham@abusaimeh.com) OR [Habusaimeh@meu.edu.jo](mailto:Habusaimeh@meu.edu.jo)  
**Website:** <http://www.abusaimeh.com>

## ACADEMIC QUALIFICATIONS

Degree	Major	Duration (From-To)	University	Country
Ph.D.	Computer Science	2006-2009	Loughborough University	UK
M.Sc.	Computer Science	2003-2004	New York Institute of Technology	Jordan/ USA
B.Sc.	Computer Science	2000-2003	Applied Science University	Jordan

**\*Ph.D. Thesis Title “Energy-aware Routing Protocol in Wireless Sensor Networks”**

**\*Master Thesis Title “Modified SQL Injection Prevention Technique for web-based application using C#”**

## TEACHING EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
07/2020- Present	Full Professor	Middle East University	Computer Science & Cyber Security, IT	Jordan
09/2016- 07/2020	Associate Professor	Middle East University	Computer Science, IT	Jordan
10/2013- 09/2016	Associate Professor	Applied Science University	Computer Science, IT	Jordan
09/2009- 10/2013	Assistant Professor	Applied Science University	Computer Science, IT	Jordan
09/2008- 06/2009	Teaching Assistant	Loughborough University	Computer Science	UK
10/2005- 06/2006	Part-Time Instructor	Applied Science University	Computer Science, IT	Jordan

## PROFESSIONAL EXPERIENCE

Duration	Position	Institution	Department/Faculty	Country
9/2020- present	Dean	Middle East University	Faculty of Business and Technology	Jordan
09/2018- 03/2022	Dean	Middle East University	Deanship of International Programmes	Jordan

09/2016-09/2020	Dean	Middle East University	Deanship of Graduate Studies and Scientific Research	Jordan
02/2013-09/2015	Dean	Applied Science University	Information Technology	Jordan
09/2014-09/2016	eLearning Center Director	Applied Science University	eLearning Center	Jordan
02/2013-09/2014	Vice-Dean	Applied Science University	Information Technology	Jordan
09/2011-09/2013	Head	Applied science University	Computer Network Systems Department	Jordan
09/2006-07/2009	Researcher	Loughborough University	Computer Science	UK
02/2004-06/2006	Senior Developer	Applied Science University	Computer Center	Jordan
01/2003-01/2004	Web Developer	Global Computer Networks	GCN Inc.	Jordan

### MAIN DUTIES AND ACHIEVEMENTS IN THE PREVIOUS ROLES

1. Head of the **AACSB** Committee and achieve the iSER in a short time compared with others.
2. Head of the **ABET** accreditation which achieved last Summer for Computer Science at MEU.
3. Acting **President** for MEU multiple times, last time was on 15<sup>th</sup> November 2023.
4. Leadership Development in different levels of the university, supervising the Faculty of IT at MEU.
5. Signing MOUs with industrial partners on behalf of the president.
6. Acting as dean for more than one faculty in the university during summer semesters such as Pharmacy, IT, Business, Nursing, and Medical Sciences.
7. Globalization through Establishing International Programmes of British University hosted in Jordan for the first in which and working on fully funded capacity building international project.
8. Establishing digital majors in the faculty of business to track the regional market needs.
9. Developing rules, regulations, and polices to enhance learning and education, and the graduate studies and the scientific research.
10. Participating in developing the management systems of the university and digitalize them.
11. Recruiting professional and capable staff.
12. Making industrial partnerships in different majors.

### LINKS

Scopus: <https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=25521012800>

ORCID: <https://orcid.org/0000-0002-1359-9986>

Google Scholar: <https://scholar.google.com/citations?hl=en&user=ILoZ5SUAAAJ>

LinkedIn: <https://www.linkedin.com/in/prof-hesham-abusaimeh-20263737/>

### ACADEMIC PUBLICATIONS

#### JOURNALS

1. Ahmad Y. A. Bani Ahmad, **Hesham Abusaimeh**, Abedalqader Rababah and Mohammad Alqsass, Nofan Hamed Al-Olima and Mohammad Naser Hamdan, "Assessment of effects in advances of accounting technologies on quality financial reports in Jordanian public sector", *Uncertain Supply Chain Management*, 12 (2024) 133–142, 2024. (Indexed in Scopus)

2. Abdel-Aziz Ahmad Sharabati, Assad Adnan Ghaith, Amer Morshed, **Hesham Abusaimh**, Shafiq Al-Haddad, “Balanced Scorecard and Competitive Strategies of Small and Medium Manufacturing Organizations”, WSEAS TRANSACTIONS on BUSINESS and ECONOMICS, Volume 21, 2024. (Indexed in Scopus)
3. Abdel-Aziz Ahmad Sharabati, Mahmoud Allahham, **Hesham Abusaimh**, Ahmad Yahya Bani Ahmad, Samar Sabra, Mohammad Khalaf Daoud, "Effects of Artificial Integration and Big Data Analysis on Economic Viability of Solar Microgrids: Mediating Role of Cost Benefit Analysis", Operational Research in Engineering Sciences: Theory and Applications, Vol. 6, Issue 3, 2023, pp. 360-379 ISSN: 2620-1607 eISSN: 2620-1747 DOI: <https://doi.org/10.31181/oresta/060318>. (Indexed in Scopus)
4. Abdel-Aziz Sharabati, Nada Almokdad, Ahmad Marei, and **Hesham Abusaimh**, “Competitive strategy development through green supply chain practices”, Uncertain Supply Chain Management 11 (2023) 1507–1518, July 2023. (Indexed in Scopus)
5. Nizar Nail Romman, Rodolphe Ocler, and **Hesham Abusaimh**, “The Impact of Self-Healing Concrete Technology on the Durability and Permanence of Buildings in the UK Construction Market Perspective”, Information Science Letters, Vol. 12, July 2023. (Indexed in Scopus)
6. **Hesham Abusaimh**, Abdelaziz Sharabati, and Soliman Asha, “Using Cloud Computing Services to Enhance Competitive Advantage of Commercial Organizations”, International Journal of Data and Network Science, 7(2023), 8 April 2023. (Indexed in Scopus)
7. Jamal Al Qundus, Shivam Gupta, **Hesham Abusaimh**, Silvio Peikert, and Adrian Paschke, “Prescriptive Analytics-Based SIRM Model for Predicting Covid19 Outbreak”, Global Journal of Flexible Systems Management, 17 March 2023. (Indexed in Scopus)
8. Amjad Alsmadi, Nada Mahmoud, Ahmad Mousa, Mohammed Abu-Jafar, and **Hesham Abusaimh**, “Theoretical Prediction of doping iron ions effect on the optoelectronic and magnetic cobalt-based perovskite (Co<sub>1-x</sub>, Fe<sub>x</sub>ScO<sub>3</sub>), Materials Research Express, 9(2022), October 2022. (Indexed in Scopus & Clarivate)
9. **Hesham Abusaimh**, “Computation Offloading for Mobile Cloud Computing Frameworks and Techniques”, TEM Journal, Vol. 11, No.3, August 2022. (Indexed in Scopus & Clarivate)
10. Mohammad Al-Khasawneh, Abdelaziz Sharabati, Shafiq Al-Haddad, Reem Tabakhi, and **Hesham Abusaimh**, “The Adoption of TikTok application using TAM model”, International Journal of Data and Network Science 6 (2022), February 2022. (Indexed in Scopus & Clarivate)
11. **Hesham Abusaimh**, Yusra Alshareef, “Detecting the Phishing Website with the Highest Accuracy”, TEM Journal, Vol. 10, Issue 2, May 2021. (Indexed in Scopus & Clarivate)
12. Ahmad Mousa, Jaradat, R., Abu-Jafar, M., Mahmoud, N.T., Al-Qaisi, S., Jamal Khalifeh, **Hesham Abusaimh**, “Theoretical investigation of the structural, electronic, and elastic properties of TM<sub>3</sub>In (TM = Pd and Pt) intermetallic compounds”, AIP Advances, Vol. 10, Issue 6, 1 June 2020. (Indexed in Scopus & Clarivate)
13. **Hesham Abusaimh**, “Virtual Machine Escape in Cloud Computing Services”, (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 11, No 7, 2020. (Indexed in Scopus)
14. **Hesham Abusaimh**, “Distributed Denial of Service Attacks in Cloud Computing”, (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 11, No 6, 2020. (Indexed in Scopus)
15. **Hesham Abusaimh**, Halah Atta, and Hadeel Shihadeh, “Survey on Cache-Based Side-Channel Attacks in Cloud Computing”, International Journal of Emerging Trends in Engineering Research, Vol. 8, No. 4, April 2020.

16. **Hesham Abusaimeh**, “Enhance the Security and Prevent Vampire Attack on Wireless Sensor Networks using Energy and Broadcasts Threshold Values”, (IJACSA) International Journal of Advanced Computer Science and Applications, Vol 11, No 3, 2020. (Indexed in Scopus)
17. **Hesham Abusaimeh**, and Rame Al-dwairi, “Cloud Computing Authentication Attack and Mitigation Techniques”, International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE), Vol. 9 No. 4, August- September 2020.
18. **Hesham Abusaimeh**, “Security Attacks in Cloud Computing and Corresponding Defending Mechanisms”, International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE), Vol. 9 No. 3, May- June 2020.
19. AbdelAziz Sharabati, Mohamad Alhileh, and **Hesham Abusaimeh**, “Effective of Service Quality on Graduates’ Satisfaction”, Quality Assurance in Education, ISSN 09684883, DOI: 10.1108/QAE-04-2018-0035, Volume 27, Issue 3, 2019. (Indexed in Scopus)
20. **Hesham Abusaimeh**, “Low energy consumption rate in home sensors using prime”, ARPN Journal of Engineering and Applied Sciences, ISSN 1819-6608, Vol. 13 No. 22, November 2018. (Indexed in Scopus)
21. Ahmad H. Mahafzah and **Hesham Abusaimeh**, “Optimizing Power-based Indoor Tracking System for Wireless Sensor Networks Using ZigBee”, the International Journal of Advanced Computer Science and Applications (IJACSA), ISSN: 2158-107X, Volume 9 No 12, December 2018. (Indexed in Scopus)
22. **Hesham Abusaimeh**, and Omar Isaid, “Hybrid Data De-Duplication Technique in Cloud Computing for Data Storage”, Journal of Theoretical and Applied Information Technology. Vol. 95, No. 24, ISSN 992-8645, E-ISSN 1817-3195, 31 December 2017. (Indexed in Scopus)
23. Mohammad Al-Jbouri and **Hesham Abusaimeh**, “Offline Arabic Handwritten Isolated Character Recognition using Support Vector Machine and Neural Network”, Journal of Theoretical and Applied Information Technology, Vol. 95, Issue. 10, ISSN 992-8645, E-ISSN 1817-3195, 30 June 2017. (Indexed in Scopus)
24. Mohammad Shkoukani, Yousef Elsheikh, **Hesham Abusaimeh**, “Understanding the Role of Multimodal Metaphors in E-Government Implementation: An Empirical Investigation”, Journal of Emerging Trends in Computing and Information Sciences, Vol. 6, No. 9, ISSN 2079-8407, September 2015.
25. Mohammad Hijjawi, and **Hesham Abusaimeh**, “Applying an Arabic Conversational Agent in the Jordanian E-Government”, International Journal of Computer Science & Information Technology (IJCSIT), Vol. 7, No. 4, August 2015.
26. Wala’a Alomari, and **Hesham Abusaimeh**, “Modified USB Security Token for user Authentication”, Computer and Information Science, Vol. 8, No. 3, 2015, ISSN 1913-8989 E-ISSN 1913-8997, Published by Canadian Center of Science and Education, August 2015.
27. **Hesham Abusaimeh**, “Cloud Web-Based Operating System (Cloud Web OS)”, International Journal of Computer Science and Information Technology (IJCSIT), DOI : 10.5121/ijcsit.2014.6102, Vol. 6, No. 2, April 2014.
28. Ahmad Azzazi, **Hesham Abusaimeh**, and Shadi R. Masadeh, “CPU Utilization for a Multiple Video Streaming over a fiber optic ATM-Network when varying the Quality of Service”, Journal of Emerging Trends in Computing and Information Sciences, (E-ISSN 2218-6301/ ISSN 2079-8407), Vol. 5, No. 3, March 2014.
29. **Hesham Abusaimeh**, Mohammad Shkoukani, and Faiz Alshrouf, “Balancing the Network Clusters for the Lifetime Enhancement in Dense Wireless Sensor Networks”, Arabian Journal for Science and Engineering (AJSE), 2013 Impact Factor 0.367, DOI: 10.1007/s13369-014-1059-x, Springer, ISI Web of Knowledge, Print ISSN 1319-8025, Online ISSN 2191-4281, March 2014. (Indexed in Scopus)
30. Mohammad Shkoukani, Rawan Abu Lail, **Hesham Abusaimeh**, and Loai Al Hamarneh, “The impact of establishing a Governmental Consumer Agency in Jordan towards expanding the use of E-business”, the Canadian Center of Science and Education, Computer and Information Science, Vol. 6, No. 2, 2013.

31. **Hesham Abusaimh**, and Mohammad Shkoukani, "Modified TCP Protocol for the Wireless Sensor Networks", International Journal of Computer Science Issues (IJCSI), Volume 10, Issue 2, March 2013.
32. Zahi Abusarhan, Mohammad Shkoukani, and **Hesham Abusaimh**, "A Service Oriented Architecture to Integrate Short Message Service (SMS) Notification in Road Traffic Volume Control System", International Journal on Computer Science and Engineering (IJCSE), Vol. 5, No. 2, P-ISSN: 2229-5631, e-ISSN: 0975-3397, February 2013.
33. **Hesham Abusaimh**, and Mohammad Shkoukani, "Survey: Web Application and Internet Security Threats", International Journal of Computer Science and Network Security (IJCNS), Vol. 13, No. 12, ISSN : 1738-7906, December 2012.
34. **Hesham Abusaimh**, "Studying the Effect of the Malicious Nodes Using Geographic Routing Protocol in the WSN", International Journal of Reviews in Computing (IJRC), Vol. 12, ISSN: 2076-3328 | E-ISSN : 2076-3336, December 2012.
35. Mohammad Shkoukani, **Hesham Abusaimh**, Rawan Abu Lail and Mays Khawaldeh, "Proposed Enhanced Object Recognition Approach For Accurate Bionic Eyes", International Journal of Computer Science Issues, Vol. 9 Issue 4, No 1, pp. 319-326, July 2012, ISSN(Online):1694-0814.
36. Faiz Al Shrouf, **Hesham Abusaimh**, Khalil Al Shqeerat and Mahmoud Al Omari, "Evaluating Time Performance Optimization Analysis for Mobile Agent Communication Using Assignment Computing Agent", Journal of Applied Sciences, Vol. 12, Issue 12, 2012, pp.1290-1296, ISSN 1812-5654 / DOI: 10.3923/jas.2012.1290.1296, ISI Web of Knowledge.
37. **Hesham Abusaimh** and Shuang-Hua Yang, "Dynamic Cluster Head for Lifetime Efficiency in WSN", International Journal of Automation and Computing, 2014 Impact Factor 0.954, 6(1), pp. 48-54, February 2009, DOI: 10.1007/s11633-009-0048-0.
38. **Hesham Abusaimh** and Shuang-Hua Yang, "Balancing the Power Consumption Speed in Flat and Hierarchical WSN", International Journal of Automation and Computing, 2014 Impact Factor 0.954 , 5(4), pp. 366-375, October 2008, DOI: 10.1007/s11633-008-0366-7.

## CONFERENCES

1. **Hesham Abusaimh** and Hadeel Shihadeh, "Energy Efficient Localization Model in Mobile Cloud Computing Used for IoT," 2023 IEEE 13th International Conference on Consumer Electronics - Berlin (ICCE-Berlin), Berlin, Germany, 2023, pp. 1-4, doi: 10.1109/ICCE-Berlin58801.2023.10375612.
2. **Hesham Abusaimh**, "Enhanced AODV Based-On Home Sensor Power", 7<sup>th</sup> IEEE International Conference on Consumer Electronics (ICCE-Berlin), Berlin, Germany, 3-6, September 2017.
3. Abdelrahman Abuarqoub, **Hesham Abusaimh** and et.al., "A Survey on Internet of Thing Enabled Smart Campus Applications", International Conference on Future Networks and Distributed Systems (ICFNDS) 2017, Cambridge, UK, 19 - 20, July 2017.
4. **Hesham Abusaimh**, "Distributed Power Consumption Method over Cluster Tree Wireless Sensor", the 2015 ICBTS International Sciences and Technology Research Conference, Berlin, Germany, 22-24 October 2015.
5. **Hesham Abusaimh**, "Information Security in VDC and Cloud Computing", the International Journal for Arts and Sciences (IJAS) Conference for Academic Disciplines, Freiburg, Germany, December 2014.
6. **Hesham Abusaimh**, "Super Nodes for Wireless Sensor Networks", the 6<sup>th</sup> International Conference of Computer Science and Information Technology (CSIT14), 978-1-4799-3999-2/14/\$31.00©2014 IEEE, Amman, Jordan, March 2014.
7. Mohammad Alomari, **Hesham Abusaimh**, Shahin, S., and Joudeh, R., "Postat: A Cross-Platform, RSS-Based, Advertising and Event Notification System for Educational institutions", 2<sup>nd</sup> International Conference on Integrated Information, Budapest, Hungary, August 30- September 3, 2012.
8. **Hesham Abusaimh**, and Shuang-Hua Yang, "Energy-aware Optimization of the Number of Clusters and the Cluster-Heads in WSN", 2012 International Conference on Innovations in

Information Technology (IIT), 978-1-4673-1101-4/12/\$31.00 ©2012 IEEE, Al Ain, UAE, March 2012.

9. **Hesham Abusaimeh**, and Shuang-Hua Yang, “Energy based Route Discovery Protocol in Wireless Sensor Network”, the 16th International Conference on Automation and Computing, Birmingham, UK pp.31-36, September 2010.
10. **Hesham Abusaimeh**, and Shuang-Hua Yang, “Reducing the Transmission and Reception Powers in the AODV” the 2009 IEEE International Conference on Networking, Sensing, and Control, Okayama, Japan, pp.60-65, March 2009.
11. **Hesham Abusaimeh**, and Shuang-Hua Yang, “Dynamic Cluster Head for Lifetime Efficiency in WSN”, the 14th International Conference on Automation and Computing, Uxbridge, UK, pp 47-52, September 2008.
12. **Hesham Abusaimeh**, and Shuang-Hua Yang, “Increasing Lifetime of Wireless Sensor Network Based on AODV”, the 13<sup>th</sup> International Conference on Automation and Computing, Staffordshire, UK, pp. 105-110, September 2007.

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## BOOKS

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1. Nael Hirzallah, Omar Ali, **Hesham Abusaimeh**, Moh. Hijjawi, Omar Elsheikhsalem, “Computer Skills Advanced”, Dar-Alhafiz International for Consulting and Publishing, 2<sup>nd</sup> Edition, ISBN 9789957575120, October 2015.
2. Nael Hirzallah, Omar Ali, **Hesham Abusaimeh**, Moh. Hijjawi, Omar Elsheikhsalem, Computer Skills Basics, Dar-Alhafiz International for Consulting and Publishing, 2<sup>nd</sup> Edition, ISBN 9789957575137, October 2015.
3. Nael Hirzallah, Omar Ali, Mohmad Hijjawi, **Hesham Abusaimeh**, Shrouq Waled, and Omar Shaikhsalim , “Computer Skills Basics & 2”, Dar-Alhafiz International for Consulting and Publishing, ISBN 978-9957-575-08-3, March 2014.
4. **Hesham Abusaimeh**, “Efficient AODV Routing Protocol for Wireless Sensor Networks”, LAP Lambert Academic Publishing, ISBN 978-3-8443-9040-7, April 2011.

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## CONFERENCES ORGANIZED

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- **Organizing Committee Member of the 4<sup>th</sup> International Strategic Awareness and Governance conference**, Amman, Jordan, 20-21 May 2023. ([link](#))
- **Member of the 16<sup>th</sup> International Conference on Knowledge, Economy and Management Board 2022**, Istanbul, Turkey, 11-13 November 2022. ([link](#))
- **Program Committee Member in The International Conference on Future Networks and Distributed Systems (ICFNDS) 2022**, Uzbekistan, 15-16 December 2022. ([link](#))
- **Technical Program and Sponsorship chairs in the 021 12th International Renewable Engineering Conference (IREC2021)**, IEEE Conference, Amman, Jordan, 14-15 April 2021. ([link](#))
- **Technical Program Committee co-Chair in the 8th International Conference on Computer Science and Information Technology (CSIT 2018)**, Amman, Jordan, 11 -12 July 2018. ([link](#))
- Member of the Steering Committee in the **International Conference in Future Networks and Distributed Systems**, Amman, Jordan, 26-27 June 2018. ([link](#))
- Member of the Scientific Committee in **the First International Conference in Scientific Research Development 2017 (ICSRD)**, Amman Arab University, Amman, Jordan 20-21 May 2017. ([link](#))
- Head of the Organizing Committee in the **International Conference on School Courses Governance, Middle East University**, Amman, Jordan, 13 May 2017. ([link](#))
- Member of the program Committee in **the New Trends in Information Technology-2017 (NTIT)**, Jordan University, Amman, Jordan, 25-27 April 2017. ([link](#))
- Member of the Scientific Committee in the **First International Conference in Scientific Research Development 2017 (ICSRD), Amman Arab University**, Amman, Jordan, 20-21 May 2017. ([link](#))

- Head of the Organizing Committee in the **International Conference on Governance in Higher Education Institutions, Middle East University**, Amman, Jordan, 11-13 March 2017. ([link](#))
- Member of the Technical Program Committee in the **Cybersecurity and Cyber forensics Conference (CCC 2016), University of Jordan**, Amman, Jordan, July 2016. ([link](#))
- Member of the Technical Program Committee in the 7<sup>th</sup> International Conference in Computer Science and Information Technology (**CSIT2016**), Amman, Jordan, July 2016. ([link](#))
- General Chair of the 7<sup>th</sup> International Conference in Computer Science and Information Technology (**CSIT2015**), Amman, Jordan, March 2015. ([link](#))
- General Chair of the International Conference of Modern Information Technology Trends (**MITT**), Amman, Jordan, December 2014. ([link](#))
- Member of the Technical Program Committee in the 6<sup>th</sup> International Conference in Computer Science and Information Technology (**CSIT2014**), Amman, Jordan, March 2014. ([link](#))
- Technical Program co-Chair in the 5<sup>th</sup> International Conference in Computer Science and Information Technology (**CSIT2013**), Amman, Jordan, March 2013. ([link](#))
- Technical Program Committee Member in the 1<sup>st</sup> International Conference on Electrical and Computer Engineer (**ICECE2013**), **Benghazi**, Libya, March 2013.
- Member of the local committee of the 2nd annual **GAMEON-ARABIA** Conference, AOU, Amman, Jordan, 14-16 November 2011. ([link](#))

## MEMBERSHIPS OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

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- **Senior Member** in the Institute of Electrical and Electronics Engineers (**IEEE**), Jordan Section, July 2017.
- **Site Director** of the Jordanian Olympiad in Informatics (A Programming Contest for high school students in Jordan), April 2015.
- **Chair of Future Programming Contest of the Jordanian high schools**, March 2015.
- Member of the Constitutive Committee of the Association of Jordan Programmers, 2014.
- **Member of the Jordanian Programmers Association**, Amman, Jordan, 2014-Present.
- Member of the **Jordanian Collegiate Programming Contest Committee** Part of ACM Programming Contest, 2013-Present.
- **Site Director, Jordanian Collegiate Programming Contest**, October 2014.
- **Member of the EMC Academic Alliance**, since January 2014.
- **Member of the Network and Control Group, Loughborough University, UK, 2006-2009.**
- **International Referee** in the International Journal of Automation and Computing (IJAC), since 2008.
- **International Referee** in the International Journal of Sensor Networks (IJSNET), since 2013.
- **International Referee** in the International Journal of the Distributed Sensor Networks (IJDSN), 2015.

## UNIVERSITY COMMITTEES

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- Head of the ACCSB accreditation Committee of the Business faculty at Middle East University, Jordan, September 2021 – till present.
- Member of the ABET accreditation Committee of the IT Faculty at Middle East University, Jordan, September 2021 – till present.
- Member of the Promotion and Hiring Committee at Middle East University, Jordan, September 2020-till Present.
- Member of the University Council, at Middle East University, Jordan, September 2016 – till Present.
- Member of the Middle East University Deans' Council, Amman, Jordan, September. 2016- till Present.
- Head of the Graduate Studies Council, at Middle East University, Amman, Jordan, September. 2016 – till present.
- Head of the Scientific Research Council, at Middle East University, Amman, Jordan, September. 2016 – till present.
- Head of the website committee, at Middle East University, Jordan, September 2016 - September 2022.
- Member of the Study Curriculum Committee, at the Middle East University, Amman, Jordan, September. 2016- till present.

- Member of the IT faculty Appointment and Promotion Committee, at the Applied Science University, 2012-2016.
- Member of the IT Faculty, Programming Contest Committee at the Applied Science University, 2014-2016.
- Member of the Applied Science University Deans' Council, 2014 – 2015.
- Head of the Applied Science University Website Committee, 2014 – 2015.
- Head of the Applied Science University eLearning Committee, 2014 – 2015.
- Member of the Applied Science University Scientific Research Council, 2014 - 2015.
- Member of the Applied Science University Graduate Study Council, 2014 – 2015.
- Member of the Applied Science University Students Issues Committee, 2014 - 2015.
- Member of the IT faculty council at the Applied Science University, 2013-2014 as a Vice-Dean.
- Head of the Computer Skills Exam Committee, at the Applied Science University, 2012- 2013.
- Member of the University Students Investigation Committee, at the Applied Science University, 2012-2014.
- Member of the IT faculty council at the Applied Science University, 2011-2013 as the Head of Computer Networks Systems Department.
- Head of the IT faculty scheduling committee at the Applied Science University, 2011-2012.
- Member of the IT faculty council at the Applied Science University, 2010-2011 as representative for the Computer Networks Systems Department.
- Member of the IT faculty council at the Applied Science University, 2009-2010 as representative for the Computer Science Department.
- Member of the IT faculty Exams Committee at the Applied Science University, 2010-2011.
- Member of the IT faculty Students investigation Committee at the Applied Science University, 2010-2011.
- Member of the IT faculty equivalency committee at the Applied Science University, 2010-2011.
- Member of the IT faculty equivalency committee at the Applied Science University, 2009-2010.

#### **CONFERENCES/WORKSHOPS ATTENDED**

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- AACSB Business Accreditation Standards Workshop, Association of Arab Universities, November 2022, Jordan.
- Middle East Conference of AACSB Accreditation, University of Bahrain, March 2022, Bahrain.
- How to Qualify for AACSB Accreditation, Association of Arab Universities, March 2022, Jordan
- Quality Assurance Auditor, Higher Education Academic Commission of Jordan, January 2020.
- Quality Management Systems Auditor/ Lead Auditor Training Courses ISO 9001:2015, DNV. GL, Jordan, 23<sup>rd</sup> to 27<sup>th</sup> July 2017.
- The 2015 ICBTS International Sciences and Technology Research Conference, Berlin, Germany, October 2015.
- The International Journal for Arts and Sciences (IJAS) Conference for Academic Disciplines, Freiburg, Germany, December 2014.
- The 6<sup>th</sup> International Conference of Computer Science and Information Technology (CSIT14), Amman, Jordan, March 2014.
- Cloud Infrastructure and Services Workshop, held by EMC at the Princess Sumaya University for Technology, Amman, Jordan January 2014.
- The 5<sup>th</sup> International Conference of Computer Science and Information Technology (CSIT13), Amman, Jordan, March 2013.
- The Information Technology Students Activity Fair, Beirut, Lebanon, September' 2012.
- Preparing Universities Accreditation Papers Workshop at Applied Science University, Amman, Jordan, April' 2012.
- The 2012 International Conference on Innovations in Information Technology (IIT), Al Ain, UAE, March' 2012.
- The 16th International Conference on Automation and Computing, Birmingham, UK, September' 2010.

- The 2009 IEEE international Conference on Networking, Sensing, and Control, Okayama, Japan, March' 2009.
- The 14th International Conference on Automation and Computing, Uxbridge, UK, September' 2008.
- The 13th International Conference on Automation and Computing, Staffordshire, UK, September' 2007.

### **WORKSHOPS OFFERED**

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- Workshop Presentation on Cloud Computing at the Modern Information Technology Trends Conference, Amman, Jordan, December 2014.
- Workshop Presentations on MCITP at the center of studies, consultation, and social services of the Applied Science University, Amman, Jordan, March 2012 – June 2012.
- Workshop Presentation on Network Simulator-2 (NS-2) and Cygwin environment at the Faculty of Information Technology, Applied Science University, Amman, Jordan, in April 2011
- Presentation at the Computer Science Dept., Loughborough University, UK, titled “ZigBee Communication Standard”, in November 2006
- Presentation at the Computer Science Dept., Loughborough University, UK, titled “Increasing Lifetime of Wireless Sensor Network”, in September 2007
- Presentation at the Computer Science Dept., Loughborough University, UK, titled “Routing Protocols in Wireless Sensor Network”, in May 2008
- Presentation at the Computer Science Dept., Loughborough University, UK, titled “Energy-Aware Routing Protocols in Wireless Sensor Network”, in May 2009

### **MASTER STUDENTS' SUPERVISION**

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*Student Name, Thesis title, University, Year, Role*

1. Wala'a Alomari, “Modified USB Security Token for user Authentication”, Applied Science University, Jordan, 2015, Supervisor.
2. Omar Isaid, “Hybrid Data De-Duplication Technique in Cloud Computing for Data Storage”, Applied Science University, Jordan, 2016, Supervisor.
3. Mohammad Al-Jbouri, “Offline Arabic Handwritten Isolated Character Recognition using Support Vector Machine and Neural Network”, Middle East University, Jordan, 2017, Supervisor.
4. Sayel Fayyad, “Article Reformatting Algorithm for Multiple Journal Template”, Middle East University, Jordan, 2018, Supervisor.
5. Ahmad Mahafza, “Optimizing Power-based Indoor Tracking System for Wireless Sensor Networks Using ZigBee”, Middle East University, Jordan, 2018, Supervisor.
6. Yusra Alsharief, “Detecting the Phishing Website with the Highest Accuracy”, Middle East University, Jordan, 2020, Supervisor.
7. Hadeel Shahahdeh, “Detecting Cache-Based Side-Channel Attacks in Cloud Computing”, Middle East University, Jordan, 2021, Supervisor.
8. Soliman Alashi, “The impact of cloud computing on the growth of other commercial sectors and the continuity of their business”, Middle East University, Jordan, 2022, Supervisor.

### **TEACHING COURSES**

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#### **Graduate Courses:**

Advanced Operating Systems, Cloud Computing Security, Cloud Computing Mobility, Tactical and Strategic Cyber Security Management, Cyber Defense, Information Governance and Compliance, Cryptography and Information Security, Advance Operating Systems, Computer Networks, Cloud and Mobile Computing, Distributed Information Systems, Research Methodology.

#### **Undergraduate Courses:**

Network Security, Wireless Networks and Communications, Computer Architecture, Python Programming, Unix OS, Distributed Systems, Network Management and Design, Cloud Infrastructure and Services, Virtualized Data Center, Operating Systems, Wireless and Mobile Computing, Network Programming Using Java, Introduction to ERP and CRM, Wireless Networks Design, Wireless Sensor Networks, Object

Oriented Programming using Java, Introduction to Computer Networks, Data Communication and Computer Networks, Structured Programming using C++, Computer Skills, Data Structure using Java, Computer Algorithms, Visual Programming, MCITP | MCSE.

## RESEARCH INTERESTS

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Cyber Security, Mobile Cloud Computing, Consumers Electronics Energy Consumption, Wireless Sensor Networks (WSNs), Cloud Computing, Internet of Things (IoT), Wireless Routing Protocols, Energy Aware Routing Protocol, WSNs lifetime and consumption energy, Ad hoc on-demand Distance Vector, Mobile and Ad hoc Computing, Transport Protocols, Virtualization.

## OTHER COMMUNITY SERVICES ACTIVITIES

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1. Examining Ph. D. thesis titled “Block chain Based Secure Digital Evidence Preservation Framework”, done by the student Wala’a M. AlOmari at **The University of Jordan**, Amman, Jordan, August 2022.
2. Examining Master thesis titled “Using virtual traffic light technology and genetic algorithm to improve road traffic” by the student Thaer Sawalha at **Al-Zaytoonah University of Jordan**, Amman, Jordan, January 2022.
3. Examining Master thesis titled “Adaptive TDMA Scheduling for Wireless Sensor Network based on Application Data Size” done by the student Alaa Alshawawreh, at **The University of Jordan**, Amman, Jordan, May 2017.
4. Examining Master thesis titled “Enhancing the Efficiency of Multi-Agent System Interaction Model” done by student Abdulrahman M. Saleh, at **Isra University**, Amman, Jordan, December 2016.
5. Examining Master thesis titled “Knowledge Management System for Multi-agent Systems” done by student Ayah Al-Khrissat, at **Albalqa Applied University**, Salt, Jordan, December 2016.
6. Evaluating Ph.D. thesis titled “Mitigation of Black hole Attack Using Intrusion Detection Systems in Mobile Ad hoc Networks”, **Anna University, Chennai, India, August 2016**.
7. Examining Master thesis titled “Trust and Risk Based Access Control Model for Cloud Computing Environment” done by student Mahmoud Shtayat, at **The University of Jordan**, Amman, Jordan, August 2016.
8. Examining Master thesis titled “A Proposed Dynamic Algorithm for Association rules Mining in Big Data” done by student Anas Al-Daher, at **Applied Science University**, Amman, Jordan, May 2016.
9. Examining Master thesis titled “Genetic and Hadoop MapReduce Algorithms to Manage Big Data in Bioinformatics” done by student Huda Dikhil, at **Applied Science University**, Amman, Jordan, June 2016.
10. Examining Master thesis titled “Analytical Study for the Mutable Order-Preserving Encoding Using Transaction Window” done by student Suha Omar, at **Middle East University**, Amman, Jordan, May 2016.
11. **Evaluating Ph.D. thesis titled “Mitigation of Malicious Nodes in Mobile Ad hoc Networks using Trust Management”, Anna University, Chennai, India, April 2016.**
12. Examining Master thesis titled “A Technique to Protect the Ownership of the Image Using Secure Hash Algorithm” done by student Imad Shafi Kuffash, at **Middle East University**, Amman, Jordan, and January 2016.
13. Examining Master thesis titled “Performance study of Syibl attacks detection in VANETs”, done by student Salam Hamdan at **Princess Sumaya University for Technology**, Amman, Jordan, August 2015.
14. Examining Master thesis titled “Group Leader Location Privacy Protection in VANET” done by student Shaker Jallad, at **Princess Sumaya University for Technology**, Amman, Jordan, June 2015.

15. Examining Master thesis titled “Image Encryption Based on the Karhunen- Loeve Transform” done by student Ahmad Mohammad Shahin, at **Albalqa Applied University**, Salt, Jordan, June 2015.
16. Examining Master thesis titled “A New Texture Mapping Algorithm for computer graphics applications” done by student Fatmah Yasjeen at **Albalqa Applied University**, Salt, Jordan, March 2015.
17. Examining Master thesis titled “Automated Algorithm for Concealed Weapon Detection Using Image Processing and Artificial Intelligence Techniques” done by student Abdullah Al Zaqepah at **Albalqa Applied University**, Salt, Jordan, in July 2014.
18. Examining Master thesis titled “Developing an Agent Interaction Model for Multi-Agent Systems” done by Areg Al-bdairat at **Albalqa Applied University**, Salt, Jordan, in December 2013.
19. Examining Master thesis titled “Using the Multi-agent System For Solving Coverage Problem in Wireless Sensor Networks” done by student Sherehan Aburomman at **Albalqa Applied University**, Salt, Jordan, in April’ 2012.
20. Examining Master thesis titled “Voice Recognition over Neural Networks” done by Bayan Alsaaidh at **Albalqa Applied University**, Salt, Jordan, in May’ 2011.
21. Examining Master thesis titled “Clustering Cellular Model using C-Means” at **Albalqa Applied University**, Salt, Jordan, in May’ 2011.
22. Examining Master thesis titled “Protecting Data traffic over Wireless Networks by Enhancing Link Layer Security Protocols” Mohamad Abu Snober at **Albalqa Applied University**, Salt, Jordan, in August’ 2010.
23. Examining Master thesis titled “Enhancing Ad hoc Security Protocol” by student Mohamad Shibli at **Albalqa Applied University**, Salt, Jordan, in August’ 2010.
24. Examining Master thesis titled “Ontology Matching Algorithm by Using Agent Technology” done by student Aman Nweiran at **Albalqa Applied University**, Salt, Jordan, in May’ 2010.
25. Examining Master thesis titled “Agent Oriented Software Engineering (AOSE) Methodology” done by student Reem Muhamad Alzu’bi at **Albalqa Applied University**, Salt, Jordan, in May’ 2010.
26. Examining Master thesis titled “Concealed weapon detection Using Digital Image Processing techniques” done by student Ala Saleh at **Albalqa Applied University**, Salt, Jordan, in March’ 2010.

#### **AWARDS RECEIVED**

- **President Certificate of the National Quality Assurance (Golden Level)**, from Middle East University, 2021.
- **Project Coordinator** of the European Funded Project through **Erasmus+** entitled “Advanced Teaching and Training on Smart Grid and Grid Integration of Renewable Energy Systems” Project Number 585648-EPP-1-2017-1-UK-EPPKA2-CBHE-JP (2017-2020).
- **Certified Quality Management Systems Auditor / Lead Auditor**, ISO 9001:2015, DNV.GL, 15<sup>th</sup> September 2017, Certificate Number: 1-3EOIXWU /07
- **EMC Academic Associate Certified, Cloud Infrastructure and Services**, 12 June 2014, enter the Verification Code: D716G77YNFBQ29YE in this [\(link\)](#).
- **Early promotion to Associate Professor** with more than double points in Applied Science University, Oct. 2013.
- A supervised graduation projects titled “ASU Cloud Web OS” **was ranked in the First place** of the Information Technology Students Activity Fair 2012 (**ITSAF2012**), in the Islamic University of Lebanon, Beirut, Lebanon, September’ 2012.
- **The “Best Paper” Prize** in the 14th International Conference on Automation and Computing, Uxbridge, London, UK, September 2008.
- **PhD study scholarship** from Applied Science University, Amman, Jordan, 2006.

- **1st in class of Computer Science bachelor's degree**, Applied Science University, Amman, Jordan, summer 2003.