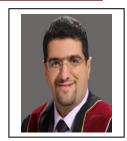Date: 22nd August 2020

Dr. Hesham Said Abusaimeh
SMIEEE, Ph.D., M.Sc., B.Sc.

PERSONAL INFORMATION

Title: Dean of Faculty of Business and Associate Professor in Computer Science and Artificial Intelligence Department

Academic Rank: Associate Professor

Date & Place of Birth: 18 December 1982, Libya

Nationality: Jordanian

Phone No: 962-79-5755355

e-mail: habusaimeh@meu.edu.jo | hesham@abusaimeh.com

Website: http://www.abusaimeh.com

ACADEMIC QUALIFICATIONS

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

TEACHING EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
09/2016-Present	Associate Professor	Middle East University	Computer Science / Information Technology	Jordan
10/2013-09/2016	Associate Professor	Applied Science University	Computer Science/ Information Technology	Jordan
09/2009-10/2013	Assistant Professor	Applied Science University	Computer Science/ Information Technology	Jordan
09/2008-06/2009	Teaching Assistant	Loughborough University	Computer Science Department	UK

| 10/2005-06/2006 | Part-Time Instructor | Applied Science University | Computer Science/ Information Technology | Jordan |

PROFESSIONAL EXPERIENCE

Duration	Position	Institution	Department/Faculty	Country
9/2020-present	Dean	Middle East University	Faculty of Business	Jordan
09/2018-09/2020	Dean	Middle East University	Deanship of International Programmes	Jordan
09/2019-09/2020	Dean	Middle East University	Deanship of Graduate Studies and Scientific Research	Jordan
09/2016-09/2018	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 Dept. / Information Technology	Jordan
09/2006-07/2009	Researcher	Loughborough University	Computer Science	UK
09/2003-06/2006	Developer	Applied Science University	Computer Center	Jordan

LANGUAGES

Arabic (Mother Tongue)**, English** (Fluently)**, German** (Basics)**.**

PUBLICATIONS

JOURNALS

Author/s (In Order)	Title	Journal	Vol./No.	Publication Date

1. **Hesham Abusaimeh,** Rame Al-dwairi "Virtual Machine Escape in Cloud Computing Services", (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 11, No 7, 2020. (Listed in Scopus)

2. **Hesham Abusaimeh,** "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. (Listed in Scopus)

3. Ahmad Mousa, Jaradat, R., Abu-Jafar, M., Mahmoud, N.T., Al-Qaisi, S., Jamal Khalifeh**, Hesham Abusaimeh,** "Theoretical investigation of the structural, electronic, and elastic properties of TM3In(TM = Pd and Pt) intermetallic compounds", AIP Advances, Vol. 10, Issue 6, 1 June 2020. (Listed in Scopus)

4. **Hesham Abusaimeh,** "Distributed Denial of Service Attacks in Cloud Computing", (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 11, No 6, 2020. (Listed in Scopus)

5. **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. (Listed in Scopus)

6. **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. (Listed in Scopus)

7. **Hesham Abusaimeh,** 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. (listed in Scopus)

8. 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 (listed in Scopus).

9. 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. (listed in Scopus)

10. **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. (listed in Scopus)

11. **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. (listed in Scopus)

12. 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. (listed in Scopus)

13. 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.

14. 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.

15. 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.

16. **Hesham Abusaimeh**, "Cloud Web-Based Operating System (Cloud Web OS)", International Journal of Computer Science and Information Technology (IJCST), DOI : 10.5121/ijcsit.2014.6102, Vol. 6, No. 2, April 2014.

17. 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.

18. **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.(Listed in Scopus)

19. 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.

20. **Hesham Abusaimeh**, and Mohammad Shkoukani, "Modified TCP Protocol for the Wireless Sensor Networks", International Journal of Computer Science Issues (IJCSI), Volume 10, Issue 2, March 2013.

21. Zahee Abusarhan, Mohammad Shkoukani, and **Hesham Abusaimeh,** "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.

22. **Hesham Abusaimeh**, and Mohammad Shkoukani, "Survey: Web Application and Internet Security Threats", International Journal of Computer Science and Network Security (IJCSNS), Vol. 13, No. 12, ISSN : 1738-7906, December 2012.

23. **Hesham Abusaimeh**, "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.

24. Mohammad Shkoukani, **Hesham Abusaimeh**, 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.

25. Faiz Al Shrouf, **Hesham Abusaimeh**, 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.

26. **Hesham Abusaimeh** 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.

27. **Hesham Abusaimeh** 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

Author/s (In Order)	Title	Conference	Country	Date

1. **Hesham Abusaimeh**, "Enhanced AODV Based-On Home Sensor Power", 7th IEEE International Conference on Consumer Electronics (ICCE-Berlin), Berlin, Germany, 3-6, September 2017.

2. Abdelrahman Abuarqoub, **Hesham Abusaimeh** 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.

3. **Hesham Abusaimeh**, "Distributed Power Consumption Method over Cluster Tree Wireless Sensor", the 2015 ICBTS International Sciences and Technology Research Conference, Berlin, Germany, 22-24 October 2015.

4. **Hesham Abusaimeh**, "Information Security in VDC and Cloud Computing", the International Journal for Arts and Sciences (IJAS) Conference for Academic Disciplines, Freiburg, Germany, December 2014.

5. **Hesham Abusaimeh**, "Super Nodes for Wireless Sensor Networks", the 6th International Conference of Computer Science and Information Technology (CSIT14), 978-1-4799-3999-2/14/$31.00©2014 IEEE, Amman, Jordan, March 2014.

6. Mohammad Alomari, **Hesham Abusaimeh**, Shahin, S., and Joudeh, R., "Postat: A Cross-Platform, RSS-Based, Advertising and Event Notification System for Educational institutions", 2nd International Conference on Integrated Information, Budapest, Hungary, August 30- September 3, 2012.

7. **Hesham Abusaimeh,** 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.

8. **Hesham Abusaimeh,** and Shuang-HuaYang, "Energy based Route Discovery Protocol in Wireless Sensor Network", the 16th International Conference on Automation and Computing, Birmingham, UK pp.31-36, September 2010.

9. **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.

10. **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.

11. **Hesham Abusaimeh,** and Shuang-Hua Yang, "Increasing Lifetime of Wireless Sensor Network Based on AODV", the 13th International Conference on Automation and Computing, Staffordshire, UK, pp. 105-110, September 2007.

BOOKS

Author/s (In Order)	Title	Publisher	Edition	Date

1. Nael Hirzallah, Omar Ali, **Hesham Abusaimeh**, Moh. Hijjawi, Omar Elsheikhsalem, "Computer Skills Advanced", Dar-Alhafiz International for Consulting and Publishing, 2nd 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, 2nd 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.

CONFERENCES ORGANIZED

- **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 7th International Conference in Computer Science and Information Technology (**CSIT2016**), Amman, Jordan, July 2016.(link)

- General Chair of the 7th 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 6th International Conference in Computer Science and Information Technology (**CSIT2014**), Amman, Jordan, March 2014.(link)

- Technical Program co-Chair in the 5th International Conference in Computer Science and Information Technology (**CSIT2013**), Amman, Jordan, March 2013.(link)

- Technical Program Committee Member in the 1st 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

- **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), since 2015.

UNIVERSITY COMMITTEES

- Member of the Middle East University Council, Amman, 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.
- 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 Web Site 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

- 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, 23rd to 27th 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 6th 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, and January 2014.
- The 5th 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

- 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

TEACHING COURSES

Graduate Courses:
- 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:
- 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
- Java Object Oriented Programming
- Information Security
- Network Security
- Introduction to Computer Networks
- Data Communication and Computer Networks
- Network Security Programming using Java
- Structured Programming using C++
- Computer Skills

- ➢ Data Structure using Java
- ➢ Computer Algorithms
- ➢ Visual Programming
- ➢ MCITP | MCSE

RESEARCH INTERESTS

- Consumers Electronics Energy Consumption
- Wireless Sensor Networks (WSNs)
- Cloud Computing
- Internet Of Things
- Routing Protocols
- Energy Aware Routing Protocol
- ZigBee communication standard, IEEE802.15.4 communication standard
- Wireless routing protocols
- WSNs lifetime and consumption energy
- Ad hoc on-demand Distance Vector
- Mobile and Ad hoc Computing
- Transport Protocols
- Virtualization
- Mobile Agents Systems
- Networks Security

OTHER COMMUNITY ACTIVITIES

1. Examining Master thesis titled "Adaptive TDMA Scheduling for Wireless Sensor Network based on Application Data Size" done by student Alaa Alshawawreh, at **The University of Jordan**, Amman, Jordan, May 2017.
2. 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.
3. 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.
4. **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.**
5. 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.
6. 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.
7. 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.

8. 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.

9. **Evaluating Ph.D. thesis titled "Mitigation of Malicious Nodes in Mobile Ad hoc Networks using Trust Management", Anna University, Chennai, India, April 2016.**

10. 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.

11. Examining Master thesis titled "Performance study of Syibl atacks detection in VANETs", done by student Salam Hamdan at **Princess Sumaya University** for Technology, Amman, Jordan, August 2015.

12. 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.

13. Examining Master thesis titled "Image Encryption Based on the Karhuenen-Loeve Transform" done by student Ahmad Mohammad Shahin, at **Albalqa Applied University**, Salt, Jordan, June 2015.

14. 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.

15. 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.

16. 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.

17. 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.

18. Examining Master thesis titled "Voice Recognetion over Neural Networks" done by Bayan Alsaaideh at **Albalqa Applied University**, Salt, Jordan, in May' 2011.

19. Examining Master thesis titled "Clustering Cellular Model using C-Means" at **Albalqa Applied University**, Salt, Jordan, in May' 2011.

20. 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.

21. Examining Master thesis titled "Enhancing Ad hoc Security Protocol" by student Mohamad Shibli at **Albalqa Applied University**, Salt, Jordan, in August' 2010.

22. 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.

23. 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.

24. 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

- **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 , 15th 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 Degree**, Applied Science University, Amman, Jordan, summer 2003.

GRADUATE STUDENTS SUPERVISION

Student Name	Thesis Title

1. Master thesis "Optimizing Power-based Indoor Tracking System for Wireless Sensor Networks Using ZigBee" by the student, Ahmad H. Mahafzah, June 2018, Computer Science Department, Middle East University, Amman, Jordan.

2. Master thesis "Adopting Conceptual Framework based on Agility and Flexibility in Cloud Computing Systems" by the student, Mustafa Awad Farhan, January 2017, Computer Science Department, Middle East University, Amman, Jordan.

3. Master thesis "Offline Arabic Handwritten Isolated Character Recognition System Using Support Vector Machine and Neural Network" by the student, Mohammad Al-Jbouri, January 2017, Computer Science Department, Middle

East University, Amman, Jordan.

REFERENCES

1. **Prof. Shuang-Hua Yang,** Head of Computer Science Department, Loughborough University, Loughborough, UK. E-mail: s.h.yang@lboro.ac.uk, phone: +441509635670.

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