

معلومات شخصية



الاسم: أ.د. محمد عبداللطيف الأحمد
الايمل: malahmads@yahoo.com

التعليم الأكاديمي:

الجامعة: College of Electrical and Computer Engineering, University of the
Pacific Stockton, CA, USA

التخصص: B.S. in Computer Engineering
سنة التخرج: Dec 22, 2002

الجامعة: College of Computer Science and Engineering, Gulf University, Bahrain

التخصص: M.S. in Computer Engineering
سنة التخرج: Jan 22, 2011

الجامعة: International Islamic University of Malaysia, Malaysia

التخصص: PhD in Computer Science
سنة التخرج: Feb 2014

المشاريع:

Research about WIMAX vs LTE
Research about Femtocell
Research about Fuzzy Systems
Research about Neural Networks
Research about IP Security
Designing and Implementing IrDA wireless device as a B.S senior project
Master thesis Research about Security threats of biometric technologies in network environment systems
Research about Computer parallel architectures

الإشراف على طلبية دراسات عليا:

1. “*Comparison of SHA-3 round-3 Finallist*”, Khansa Munthir, International Islamic University of Malaysia, 2012 (Master Degree).
2. “*Propose Computer Emergency Response Team (CERT) setup plan for small countries serve both government entities (GEs) and non GEs from using commercial technology, case study: state of Kuwait*”, Khaled Abdulkareem Alenezi, International Islamic University of Malaysia, 2014 (PhD Degree).
3. “*Web Applications Vulnerability Assessment*”, Osama Alkhurafi, International Islamic University of Malaysia, 2015 (Master Degree).

الأبحاث المنشورة:

You can access the following papers from the Internet database.

2011:

1. AlAhmad, M. A., I. Alshaikhli, Security “Threats of Finger Print Biometric in Network System Environment” JACSTR-Springer-Sep2011.
2. AlAhmad, Mohammad and Alshaikhli, Imad Fakhri Taha and Mohammad Ahmed, Hanady (2011) — “Developed system for Quran protection using MD5 and Base64”. In: Computer applications: Theories and applications. IIUM Press, Kuala Lumpur, pp. 71-84. ISBN 978-967-418-107-9.

2012:

3. AlAhmad, M. A., A. Shaikhli, et al. (2012). "Protection of the Texts Using Base64 and MD5." Journal of Advanced Computer Science and Technology Research 2(1).
4. Mohammad A. AlAhmad, Abdulrahman Alkandari, “Interference Management in Femtocell,” Journal of Advanced Computer Science and Technology Research (JACSTR), pp. 10-21, March 2012. Available: <http://www.significance.co.uk/dsr/index.php/JACSTR/article/view/34/142>

5. AlAhmad, M. A., I. Alshaikhli, et al. (2012). "Achieving Security for Images by LSB and MD5." Journal of Advanced Computer Science and Technology Research 2(3).
6. AlAhmad, M. A., I. Alshaikhli, "Base64 & MD5 encryption" Proceedings of ICCCS Conf-Springer-May2012 (Langkawi).
7. Alshaikhli, I. F., M. A. Alahmad, et al. (2012). —"Comparison and Analysis Study of SHA-3 Finalists". Advanced Computer Science Applications and Technologies (ACSAT), 2012 International Conference on, IEEE Xplore.

2013:

8. Alahmad, M. A., Al-shaikhli, I., & Najaa, A. M. (2013). "*SVG and Arabic font challenges and improvements*". Paper presented at the Information and Communication Technology for the Muslim World (ICT4M), 2013 5th International Conference on, IEEE Xplore.
9. Alahmad, M. A., Al-shaikhli, "Hash Function of Finalists SHA-3: Analysis Study", IJACSIT Elevedit Journal-223 (Paper ID), March 2013 (Switzerland).
10. Mohammad A. AlAhmad, I. F. A. S. (2013). "MOIM: A NOVEL DESIGN OF CRYPTOGRAPHIC HASH FUNCTION." International journal of Computer Engineering & Technology (IJCET) (ISI Journal) 4(4): 1-19.
11. Mohammad A. AlAhmad, I. F. A. S. (2013). "Protection of the digital Holy Quran Using SAB hash function." Proceeding of IMAN 2013 conference.
12. Al-shaikhli, I. F., M. A. Alahmad, et al. (2013). "Hash Function of Finalist SHA-3: Analysis Study." Information Technology (IJACSIT) journal 2(2).
13. Alahmad, M. A., I. Al-shaikhli, et al. (2013). — "Cryptographic Hash Function: A High Level View". International Conference for Informatics and Creative Multimedia (ICICM), 2013 1st International Conference on, IEEE Xplore.

14. AlAhmad, M. A. and I. F. Alshaikhli (2013). "Broad View of Cryptographic Hash Functions." International Journal of Computer Science Issues journal (ISI Journal) 10(4).
15. Alahmad, M. A., I. Al-shaikhli, et al. (2013). "Joux multicollisions attack in sponge construction". The 6th International Conference on Security of Information and Networks (SIN), 2013 6th International Conference on, ACM.
16. Alahmad, M. A., I. Al-shaikhli, et al. (2013). "Protection of the digital Holy Quran PDF file using Combination between AES and RSA Cryptography Algorithms (CARCA)". Advanced Computer Science Applications and Technologies (ACSAT), 2013 International Conference on, IEEE Xplore.
17. Alahmad, M. A., I. Al-shaikhli, et al. (2013). "A New Fragile Digital Watermarking Technique for a PDF digital Holy Quran". Advanced Computer Science Applications and Technologies (ACSAT), 2013 International Conference on, IEEE Xplore.
18. Alahmad, M. A., I. Al-shaikhli, et al. (2013). "Achieving security by combining Huffman and SLSB algorithms". Advanced Computer Science Applications and Technologies (ACSAT), 2013 International Conference on, IEEE Xplore.

2014:

19. Alahmad, M. A., I. Al-shaikhli, et al. (2014). Design and Analysis of a New Hash Function Gear. (Submitted to Journal of Cryptography) (ISI Journal)
20. Sufyan Salim Mahmood, I. Al-shaikhli, M. A. Alahmad et al. (2014). "HISEC: A New Block Cipher Algorithm". The 7th International Conference on Security of Information and Networks (SIN), 2014 7th International Conference on, Glasgow, Scotland, ACM.

21. Khaled A. Alenezi, Imad F. Al Shaikhli, Lili M. Abdullah, Mohammad A. Alahmad (2014). "Cyber-Attacks facing Government Entities (GEs) and Non GEs". IJACT Journal.
22. Khaled A. Alenezi, Imad F. Al Shaikhli, Lili M. Abdullah, Mohammad A. Alahmad (2014). "CERT technologies". IJAIR Journal.
23. Khaled A. Alenezi, Imad F. Al Shaikhli, Lili M. Abdullah, Mohammad A. Alahmad (2014). "CERT team involving GEs and non GEs structured". IJIRMPs Journal.
24. Khaled A. Alenezi, Imad F. Al Shaikhli, Lili M. Abdullah, Mohammad A. Alahmad (2014). "Decision Support System for Selection and Ranking Security Alternatives". IJECCE Journal.

2015:

25. Mohammad AlAhmad, Abdullah Issa, Abdullah Alsaleh (2015). "Double-A - A Salsa20 like - The Design". The 4th conference of Advanced Computer Science Applications and Technologies (ACSAT), 2015 International Conference on, IEEE Xplore.
26. Mohammad AlAhmad, Abdullah Alsaleh, Abdullah Issa, Adel Alfoudery (2015). "Double-A - A Salsa20 like - The Security". The 4th conference of Advanced Computer Science Applications and Technologies (ACSAT), 2015 International Conference on, IEEE Xplore.
27. Mohammad AlAhmad, Imad Fakhri Alshaikhli, Abdulaziz M Alkandari, Khalil Alkandari (2015). "Gear Hash Function". The 4th conference of Advanced Computer Science Applications and Technologies (ACSAT), 2015 International Conference on, IEEE Xplore.
28. Mohammad AlAhmad, Osama Alkhurafi (2015). "Survey of Web Application Vulnerability Attacks". The 4th conference of Advanced Computer Science

Applications and Technologies (ACSAT), 2015 International Conference on, IEEE Xplore.

29. Khaled A. Alenezi, Imad F. Al Shaikhli, Lili M. Abdullah, Mohammad A. Alahmad (2016). "Arabian Gulf Countries (AGC) CERT team Obstacles". The 18th International Conference on Language and Technology, San Diego, USA.
30. AlAhmad, Mohammad A. "Design of a New Cryptographic Hash Function–Titanium." Indonesian Journal of Electrical Engineering and Computer Science 10.2 (2018): 827-832.
31. Al Ahmad, Mohammad A., Abdullah Al-Saleh, and Fahad A. Al Masoud. "Comparison between PoW and PoS Systems Of Cryptocurrency." Indonesian Journal of Electrical Engineering and Computer Science 10.3 (2018).
32. Saleh, Abdullah Nazeeh, and Mohammad A. Al-Ahmad. "Security of a New Cryptographic Hash Function-Titanium." Indonesian Journal of Electrical Engineering and Computer Science 10.3 (2018).

2018:

33. Al Ahmad, M. A., Al-Saleh, A., & Al Masoud, F. A. (2018). Comparison between PoW and PoS Systems Of Cryptocurrency. Indonesian Journal of Electrical Engineering and Computer Science, 10(3), 1251-1256.
34. AlAhmad, M. A. (2018). Design of a New Cryptographic Hash Function–Titanium. Indonesian Journal of Electrical Engineering and Computer Science, 10(2), 827-8.
35. Saleh, A. N., & Al-Ahmad, M. A. (2018). Security of a New Cryptographic Hash Function-Titanium. Indonesian Journal of Electrical Engineering and Computer Science, 10(3), 1244-1250.

2019:

36. Alkandari, Abdulrahman, Nayfah Mohsen Almutairi, Sufyan Aldabbagh, and Mohammad A. AlAhmad. "Multi-Sensor Leakage Detector Robot for Nuclear Radiation and Chemicals." *Journal of Computational and Theoretical Nanoscience* 16, no. 3 (2019): 1134-1137.

37. Aldakheel, Jenan S., Mohammad A. AlAhmad, and Adel Al-Foudery. "Comparison Between Bitcoin and Quarkchain." *Journal of Computational and Theoretical Nanoscience* 16, no. 3 (2019): 818-822.
38. AlAhmad, Mohammad A. "Design of a New Cryptocurrency—MiCoin." *Journal of Computational and Theoretical Nanoscience* 16, no. 3 (2019): 813-817.

2022:

39. Alahmad, Mohammad, Imad Alshaikhli, Abdulrahman Alkandari, Abdullah Alshehab, Mohamamd Rabiul Islam, And Meshal Alnasheet. "Influence Of Hedera Hashgraph Over Blockchain." *Journal of Engineering Science and Technology* 17, no. 5 (2022): 3475-3488.
40. Alahmad, Mohammad, And Nayef Alawadhi. "Quantitative Risk Assessment For It Assets: Cost-Effective Enterprise Framework For Adopting Security Systems." *Journal of Engineering Science and Technology* 17, no. 3 (2022): 1748-1754.
41. Alahmad, M., Alkandari, A., Alawadhi, N. "Survey Of Broken Authentication And Session Management Of Web Application vulnerability Attack", *Journal of Engineering Science and Technology*, 2022, 17(2), pp. 874–882.
42. Mohammad Alahmad, Abdulrahman Alkandari, Nayef Alawadhi, "Survey Of Os Command Injection Web Application Vulnerability Attack", *Journal of Engineering Science and Technology* Vol. 17, No. 1 (2022) 0075 – 0084.
43. Abdulrahman Alkandari , Mohammad Alahmad, Nayef Alawadhi, "Overview On 5G And 6G Wireless Communication With IOT Technology", *Journal of Engineering Science and Technology* Vol. 17, No. 1 (2022) 0095 – 0105.
44. Abdulrahman Alkandari, Mohammad Alahmad, Nayef Alawadhi , "Autophagy Computing Model: A Natural Inspired Process As A New Technique For Applying Self-Star Properties", *Journal of Engineering Science and Technology*, 2022, 17(3), pp. 956–963.
45. Alshehab, Abdullah, Thalaya Alfozan, Hesham F. Gaderrab, Mohammad Abdulateef Alahmad, and Abdulrahman Alkandari. "Identifying significant elements of the digital transformation of organizations in Kuwait." *Indones J Electr Eng Comput Sci* 26 (2022): 318.

2023:

46. Abdulrahman Alkandari, Mohammad Alahmad, Nayef Alawadhi, Abdullah Alshehab, Adel Alfoudery, "Positive Intervention Technique For A Computer Virus", Journal of Theoretical and Applied Information Technology, 30th May 2023, Vol. 101. No. 10.
47. Alahmad, Mohammed, Adel Alfouderi, Ahmad Alonaizi, and Meshal Aldhamen. "Comparison Study of the Top 5 Leading Cryptocurrencies based on General Consensus Protocol: Bitcoin, Ethereum, Tether, XRP and Bitcoin Cash." WSEAS Transactions on Computer Research 11 (2023): 23-32.
48. Abdullah Alshehab, Thalaya Alfozan, Mohammad Alahmad, Jasem Alostad, Abdulrahman Alkandari, "Technical Challenges Review And Readiness For Adopting Smart Cities In Kuwait", Journal of Theoretical and Applied Information Technology, 30th April 2023, Vol. 101. No. 8.
49. Abdulrahman Alkandari, Mohammed Alahmad, Nayfa almutairi, Mustafa Ali Abuzaraida, Danah AlMansour, "Doctor-Patient Queue for Emergency Contact Appointment Registration", International Journal of Engineering Trends and Technology ,Volume 71, Issue 1, 189-200, January 2023.

الكتب العلمية المؤلفة:

1. Author of Chapter 10, "***Cryptographic Hash Function: A High Level View***", in "***Threat Counter***" edited book, Edited by: Alaa Alhammami, Published in the United State of America by Information Science Reference (an imprint of IGIglobal), ISBN 978-1-4666-0191-8, 2012, Web-site: <http://www.igi-global.com>
2. Basic of Classical and Modern Cryptography textbook for Information Security course at Computer Science Department, College of Basic Education
3. Computer Maintenance for Computer Maintenance course at Computer Science Department, College of Basic Education

الدورات العلمية:

- NETWORK+ •
- A+ •
- ICDL Certificate •
- CCNA •
- UNIX Essentials Featuring the Solaris Operating System •

الخبرة:

1. Full time: Ministry of Finance *from July 2003 to end of Septemper2006.*
 - Network Administrator between Ministry of Finance and
 1. Ministry of Health.
 2. Customs Department.
 3. Ministry of Transportation.
 4. Ministry of Justice.
 5. Public Authority for Applied Education and Training.
 6. Public Authority for Civil Identification.
 7. Public Authority of Agriculture Affairs & Fish Resources.
 8. Legal Advice & Legislation.
 9. Al-Diwan Al-Amiri.
2. Full time: Instructor at the Public Authority for Applied Education & Training (Telecommunication & Navigation Institute) on computer department from *September 2006 to September 2008.*
3. Full time: Instructor at the Public Authority for Applied Education & Training (College of Basic Education) on computer science department from *September 16 2008 till today.*
4. Part time: Instructors' assistant in University of the Pacific, Stockton, California. Instructors' assistant in full equipped Cisco Lab designed by Cisco Company in 2002.
5. Part time: Instructor at the Public Authority for Applied Education & Training (Telecommunication & Navigation Institute). *(2004-now).*
6. Part time: General Consultant and Wifi project manager at Alodailiyah Co-op from *October 2010 till 2013.*

المواد التي تم تدريسها:

- Information Security
- Cryptography
- Programming Language C++
- Programming Language Java
- Computer Networks
- Computer Maintenance
- Operating Systems

- Internet Programming
- ICDL
- Algorithms
- Microprocessor
- Digital Fundamental
- Mobile Telecommunication and GSM Network
- Graduation Projects for Computer Science Department on College of Basic Education

المهارات:

- **Software Skills:**
 - Operating systems : Windows XP/Vista/7/8/10 , UNIX, Mac OS
 - Program Packages : Microsoft Office " Access, Excel , Word, Power Point, Project, Visio"
 - Simulation Packages: Packet Tracer by Cisco
- **Programming Skills:**
 - C++, JAVA, C, Assembly, HTML and PHP.
- **Language Comprehension**
 - English - Arabic

الندوات والورش:

- More than 20 Lectures on Introduction of Networks in Kuwaiti High Schools.
- Workshop on "*how to design you home network*", January 2011.
- Workshop on "*how to build your PC from scratch*", February 2011.
- Speech on “Special Workshop for Teachers, Challenges for Educators” in Kuwait, Jan 2016.

الجوائز والتكريمات:

1. Dean's National Deans List for all students in USA for the terms 1999, 2000, 2001 in Bachelor Degree.
2. Certificate of participation in Cisco Labs implemented by Cisco company at the University of The Pacific, Stockton California in 2002.
3. Gold medal for the Best PhD topic presentation held in IIUM Research, Invention and Innovation Exhibition 2013, International Islamic University of Malaysia.
4. Selected to be in Marquis Who's Who in the World scientists and researchers published list in 2014.
5. Best student award for Doctor of Philosophy (Computer Science) at International Islamic University of Malaysia in 2014.

6. Best paper in ACSAT 2015 conference titled "Double-A - A Salsa20 like - The Design".
7. Second Best paper in ACSAT 2015 conference titled "Double-A - A Salsa20 like - The Security".
8. Fourth Best paper in ACSAT 2015 conference titled "Survey of Web Application Vulnerability Attacks".

العضويات الإحترافية:

1. Member of International Association for Cryptologic Research (IACR)
2. Member of Institute of Electrical and Electronics Engineering (IEEE)
3. Member of Kuwait Society of Engineers
4. Member of Kuwait Information Technology Society

الهوايات والإهتمامات:

كرة القدم، الخط العربي، عمل الحجامة (كما وردت عن الرسول صلى الله عليه وسلم)، ركوب الخيل، السفر.