

# Curriculum Vitae

## Prof. Adwan Fakhri Fayez Yasin



### Personal:

**Date of birth** : April 29,1967

**Place of birth** : Jenin. Dair Abu Daif.

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### Qualifications

- Master degree in computer System Engineering - Donetsk Polytechnic institute, Ukraine, 1992.
- **PH.D** Computer System Engineering /**Computers Security**  
Kiev National Technical University -Ukraine, 1996.  
**Thesis Title** “Methods and Means for Improving the Efficiency of  
Information Systems Security in Computers”

## **Publications:**

1. Adwan Yasin, Mahmoud Abu Zant, "Detecting and Isolating Black-Hole Attacks in MANET Using Timer Based Baited Technique", Wireless Communications and Mobile Computing, Volume 2018, Article ID 9812135, 10 pages, Wiley (ISI)
2. Adwan Yasin, Ihab Nassra, "Software Obfuscation Technique Based On Recurrent Neural Network, Transylvanian Review: Vol XXVI, No. 30, July 2018. (ISI)
3. Mariam Yasin, Adwan Yasin, Amjad Abu Jazar, Mohammad Hamarsheh " A Novel Wireless Sensor Networks Anti-jamming Technique Based on a Hybrid DS-CDMA/ OFDM/ FH", International Journal of Applied Engineering Research Volume 13, Number 14 (2018) pp. 11454-11460.(Scopus)
4. Amjad Ratrout, Adwan Yasin, Mahmoud Abu Zant, Mariam Adwan, Muhammad Dwaikat, "Clustering algorithm for AODV Routing Protocol based on Artificial Bee Colony in MANET), International Conference on Future Networks and Distributed Systems, June 26 - 27, 2018 Amman, Jordan (**ACM**)
5. Adwan Yasin, Muhammad Hamarsheh, Salah Jabareen, "Weighted Cluster Based Intrusion Detection System for Mobile Ad Hoc Networks), 7th International Conference on Advanced Technologies, Apr 28-May 01, 2018 , Antalya /Turkey.
6. Adwan Yasin, Mahmoud Abu Zant, "Friendship Algorithm For Detecting Black Hole Attack In MANET " (FADBAM), International Conference on Advance Technology& Sciences, 9-12 May 2017 , Istanbul/ Turkey.
7. Abdelmunem AbuHasan, **Adwan Yasin,**" A basion MobileID-Based Authentication Technique (MBBAT) ", International Journal of Network Security & Its Applications (IJNSA), VOL .8 , No. 6, November 2016. **.(ERA Journals).**
8. **Adwan Yasin,** Fadi abu Alrub, "Enhancing RFID Security Against Brute Force Based Attacks ", International Journal of Network Security & Its Applications (IJNSA), VOL .8 , No. 5, 2016.**(ERA Journals)**
9. **Adwan Yasin,** Kefaya Sabaneh, "Enhancing Wireless Sensor Network Security Using Artificial Neural Network Based Trust Model", International Journal of Advance computer science Applications(IJACSA), Vol 7, N 9, 2016.**(JIF 0.63)**
10. **Adwan Yasin,** AbdelMunem Abu Hasn," An intelligent classification model for phishing email detection)", International Journal of Network Security & Its Applications (IJNSA), VOL .8 , No. 4, July 2016. **.(ERA Journals)**
11. **Adwan Yasin,** Ihab Nasra, "Dynamic Multi Levels Java Code Obfuscation Technique (DMLJCOT)" , International Journal of Computer Science and Security (IJCSS), Vol 10 N 4, 2016.**(CIF 7.281) .(ERA Journals)**
12. **Adwan yasin,** AbdelMunem Abu Hasn," Enhancing Anti-phishing by a Robust Multi-Level Authentication Technique (EARMAT)", International Arab Journal Of Information technology(IAJIT) , Vo1 15 ,N 6, 2018, **(IF 0.519)**
13. **Adwan Yasin,** Hamzaa Hijawi, "A New MultiPathTCP Flooding Attacks Mitigation Technique ", International Journal of Computer Science and information security ,

(IJCSIS) Vol 14, No 6.2016 . (IF 0.519)

14. **Adwan Yasin**, Nael Zidan ,” SQL Injection Prevention using Query Dictionary Based Mechanism “,International Journal of Computer Science and information security , (IJCSIS) Vol 14, No 6 2016. (IF 0.519)
15. **Adwan Yasin** , “Spam Reduction by using E-mail History and Authentication(SREHA) ” International Journal of Computer Network and Information Security(IJCNIS ) Vol 8, N 7.2016. (GIF 0.726)
16. **Adwan Yasin**, Salah Jabareen, “Adaptive Weighted Clustering Algorithm for Mobile Ad-hoc Networks (AWCAMAN) “,International Journal of Computer Network and Information Security (IJCNIS), Vol 8, N 4,2016.(GIF 0.726)
17. **Adwan Yasin**, Nizar shehab, Muath Sabha, Mariam Yasin “An Enhanced Steganographic Model Based on DWT-LSB Combined with Encryption and Error Detection Techniques” International Journal of Advance computer science Applications(IJACSA), Vol 6, N 12,2015. .(JIF 0.63)
18. **Adwan Yasin**, Muneer Foqaha, "Spam Filtering with verification Code", International Conference on Advanced Technology & Sciences (ICAT'14)- Antalya, Turkey on 12-15 August, 2014.
19. **Adwan Yasin**, Salah Jabareen and Iyas al Soqi ” Enhancing the connectivity of mobile Ad-hoc networks by considering the power, mobility and activity of nodes ”, International Journal of computer Science Issues, Vol 11 , Issue 2, No 2, March 2014. (JIF 0.45)
20. **Adwan Abdelfattah** and Aiman Abu Samra. "Least Recently Plus Five Least frequently Replacement policy (LR+5LF)", international Arab Journal of Information Technology, Volume 9, No. 1 January 2012. (IF 0.519)
21. **Adwan Abdelfattah**. “An Efficient Scheme For MANET Domain Formation” ,International Journal of Advanced Computer Science and Applications, Volume 2, No. 9 September 2011.
22. **Adwan Abdelfattah** , Imported Computer systems and information security. Jordan - ACIT'2000.
23. Aima Abu Samra And **Adwan Abdelfattah** . "Simple Scalar as an eLearning Mashup web application (eScalar)", international Arab Journal of e- Technology, Volume 1, No. 4, Pages 142-146, June 2010.
24. Aima Abu Samra And **Adwan Abdelfattah**, "The Preferable Bank Number for Multibanked-Caches", Al-Aqsa University Journal (Natural Sciences Series), Vol. 14, No. 1, Pages 69-80, Jan 2010.
25. Aima Abu Samra And **Adwan Abdelfattah**, Alaa Alsahhi and Rabee Abutair. "Low Power Architecture Cache for Embedded Systems", Journal of Al Azhar University (Natural Sciences Series), Vol. 12, 2010.
26. **Adwan Abdelfattah**, The Necessity of construction trusted computer system ,Algeria- The first conference on information 18-20 October 1999.

27. **Adwan AbdelFattah**, Lutsky G.M. Multilevel method of data ciphering, Kiev 1995 , 7 pages in GSTL of Ukraine.
28. **Adwan.F AbdelFattah**, Lutsky G.M, Didenko I.I. Using preliminary coding of data in modern ciphering algorithms. Kiev 1995 , 7 pages in GSTL of Ukraine.
29. Lutsky G.M, **AbdelFattah Adwan.F**. Methods and means of increasing the crypto-resistance of ciphering algorithms. , Kiev 1995 ,-7 pages in GSTL of Ukraine.
30. Lutsky G.M, **AbdelFattah Adwan.F**, Didenko I.I . Investigation in crypto-resistance of Hash Functions that are used in ciphering, Kiev 1994 , -10 pages in GSTL of Ukraine.
31. Lutsky G.M, **AbdelFattah Adwan.F**, Didenko I.I . Crypto-resistance analysis of ciphering algorithms that use S\_BOX technique , Kiev 1994 , -7 pages in GSTL of Ukraine.

### **Employment:**

1. **2018-Present**, Coordinator of Computer Science Master Program
2. **2017**. Full Professor at Computer Science Department - Arab American University-Palestine.
3. **2014- 2017**. Associate Professor at Computer Science Department - Arab American University-Palestine.
4. **2012- 2014**. Dean of the Faculty of Engineering & Information Technology/ AAUJ.
5. **2011**. Associate Professor of the Computer Science Department -The Arab American University-Palestine.
6. **2011 –2012**, Chair Person of Computer Science Department- AAUJ
7. **2006- 2011**, Assistant professor of the computer Science Department -The Arab American University-Palestine.

#### **Responsibilities:**

Teaching IT Courses, Supervising Different Graduation Projects and Supervision graduated students.

8. **2007 –2009**, Chair Person of Computer Science Department- AAUJ
9. **2001- 2006** Assistant professor of the computer & Information System Department- Philadelphia University- Jordan.

#### **Responsibilities:**

Teaching IT Courses and Supervising Different Graduation Projects. internship Coordinator,

10. **1997- 2001**, Assistant professor of the Computer science department Zarka Private University- Jordan.

**Responsibilities:**

Teaching IT Courses and Supervision Different Graduation Projects, internship Coordinator,

11. 1996-1997, Lecturer in Computer Science Department, Jerusalem open university- Palestine.

12. **Responsibilities:**

13. Teaching IT Courses.

**Achievements During my administrative positions:**

1. Establishing a master program in computer science.
2. Establishing Computer Networks and Information Security Program
3. Supervision the Construction of Electrical Engineering With Renewable Energy (ELERE) Program
4. The new study plans comply with local higher education accreditation commission rules and ISO Standards
5. Establishing Microprocessor Laboratory
6. Establishing Embedded System Laboratory
7. Conducting a comprehensive revision for all faculty programs' study plans.
8. Enhancing the faculty infrastructure
9. Strengthening the relations with many national and international companies .

**Supervised Master Thesis**

1. Wireless Sensor Network analysis for connectivity and reliability enhancement , 2017
2. Software Protection Framework Based On Code Obfuscation Techniques, 2017

3. Wireless Sensor Network analysis and security issues, 2017
4. Phishing analysis and developing anti phishing techniques , 2016
5. Enhancing Connectivity and Reliability of Mobile Ad-Hoc Networks , 2015
6. Closeness Centrality and Epidemic Spreading in Networks, 2008

### **Modules Taught:**

#### **Graduated Courses:**

1. Advance Information security.
2. Advance Computer Networks.
3. Advance Computer Architecture

#### **Undergraduate Courses:**

1. Introduction to computer science.(Computer Skills 1,Skills 2)
2. Introduction to Information Technology.
3. Computer applications.
4. Pascal Programming language
5. C++ Programming language.
6. VB Programming language
7. Data structure.
8. Introduction to Data Base.
9. Computer security.
10. Computer graphics.
11. Comparative Programming Languages.
12. Computer Algorithms, design and analysis.
13. Digital Logic Design
14. Computer Organization
15. Computer Architecture
16. Computer Networks
17. Networks Lab
18. C#.net
19. Operating Systems
20. Master Thesis 1
21. Master Thesis 2

### **Training:**

1. MCSE.
2. CCNA
3. Microsoft C# Dot Net Technology.

4. Internet & Web Publishing.
5. Java programming Language.

### **Committees, workshops and Conferences:**

Contribution in many Departmental, Faculty, University committees, IT workshops, and Scientific Conferences.

### **Programs development activities**

- Head of a committee that developed Master Program in Computer Science, Arab American University, 2013.
- Head of a committee that developed an undergraduate degree ,“Computer Networks and Information Security”, Arab American University, 2013.

### **Other Activities**

- Steering committee member of the Palestinian Faculty development Program (PFDP) for a series of Roundtables ,AMIDEAST ,2011-2012
- Member of Administration board of Hassib Sabag Center of Excellence, 2012 -2014.
- Prof Visitor , Kadir Has University, Istanbul -Turkey 15 Aug -15 Sep 2014
- Member of University Research Council, 2016- present

### **Membership:**

- Technical Committee of The international Arab Conference on information Technology (ACIT).
- Technical Committee of The international Arab Journal on information Technology (IAJIT).

### **Interests Fields:**

Information Security, Computer Networks, Computer Architecture, Wireless Networks Security, Mobile Ad-hoc Networks(MANET), Wireless Sensor Networks(WSN), Internet Of Things(IOT) .