

**CURRICULUM VITAE**  
**Ahmad Yehya A. Mahmoud, Associate Professor**

**PERSONAL DETAILS**

**Name** Ahmed Yehya A. Mahmoud

**Designation** Associate Professor

**Department** Information Technology

**Faculty** Engineering and Information Technology

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**Date Of Birth** 06/01/1975

**Place Of Birth** Gaza

**Nationality** Palestinian

**Martial Status** Married

**Gender** Male

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**Address (Home)** Al-Burij, Block 10, House No. 332/12, Gaza Strip, Palestine

**ACADEMIC QUALIFICATIONS**

**2012** Doctoral Degree, PHD, University of Eastern Mediterranean "Famagusta", TRNC. Computer Engineering (thesis title, Development of Matrix Cipher Modifications and Key Exchange Protocol)

**2001** Master Degree, MSC, University of Eastern Mediterranean "Famagusta", TRNC. App. Math. & Comp. SC. (thesis title, Algorithms and an Integrated Computer System for Visualization of Discrete Objects.)

**1997** Bachelor Degree, BSC, University of Al-Zaytoonah Private Jordanian "Amman", Jordan (Computer Science)

**CAREER HISTORY**

<b>September 2017 - Present</b>	Associate Professor ,Information Technology Department, Faculty of EIT, Al-Azhar University
<b>2012 – September 2017</b>	Assistant Professor ,Information Technology Department, Faculty of EIT, Al-Azhar University
<b>August 2006 – December 2011</b>	Research Assistant, Computer Engineering Department, EMU, North Cyprus
<b>March 2001 - August 2006</b>	Lecturer ,Department of Computer Science, Al-Azhar University
<b>February 1999- February 2001</b>	Research Assistant, Industrial Engineering Department, EMU, North Cyprus
<b>October 1997 - February 1999</b>	Teaching Assistant ,Department of Computer Science, University of Al-Azhar

#### **ADMINISTRATIVE DUTIES**

<b>2019 February – 2019 September</b>	Vice Dean of Postgraduate Studies, Al-Azhar University-Gaza, Palestine
<b>2015 September - Present</b>	Chairman of Postgraduate Studies Committee in the Faculty of Engineering and Information Technology
<b>2012 – 2019 February</b>	Member of faculty Council , Faculty of Engineering and Information Technology, Al-Azhar University-Gaza, Palestine
<b>2015- 2019 February</b>	Chairman of Information Technology Department, Faculty of Engineering and Information Technology, Al-Azhar University-Gaza, Palestine
<b>2016 November – September 2018</b>	Computer Labs Official, Committee of Laboratories and workshops Engineering
<b>2012 – October 2014</b>	Coordinator of Information Technology issues , Al-Azhar University-Gaza, Palestine
<b>2012 - 2016</b>	Chairman of laboratory and engineering workshops committee ,Faculty of Engineering and Information Technology, Al-Azhar University-Gaza, Palestine

## COMMITTEE MEMBERSHIP

1. Chairman of Public Relations, Media, and IT in the coming ( **October 23-24, 2019**) 2019 INTERNATIONAL CONFERENCE ON PROMISING ELECTRONIC TECHNOLOGIES
2. Chairman of Postgraduate Studies Committee in the Faculty of Engineering and Information Technology
3. Member of project team, Boosting Innovation in Curricula Development of IT Programs in Palestine BITPAL Erasmus Project No. **574131-EPP-1-2016-1-PS-EPPKA2-CBHE-JP**
4. Advisory Committee for Education and Training in the Union of the Palestinian Information Technology Association
5. Steering Committee of the project IBHATH- Qatar Charity
6. Advisory Committee for continuing education and community service, Al-Azhar University.
7. Technical Committee of Smart Village for Palestinian society technologies
8. A technical committee to develop the website of the planning and quality-Azhar University
9. Chairman of the technical committee to develop the website of Azhar University

## AREAS OF EXPERTISE

Cryptographic (Information Security), Parallel programming and distributed systems , Design and Analysis Algorithms

## SELECTED PUBLICATIONS

### - (Chapter in Book)

Evgueni Doukhitch, Alexander Chefranov, **Ahmed Mahmoud** (2013). Encryption Schemes with Hyper-Complex Number Systems and their Hardware-Oriented Implementation”, book chapter in Theory and Practice of Cryptography Solutions for Secure Information Systems, IGI(ISSN: 1948-9730; eIssn: 1948-9749).

### - Article in Academic Journal

- 1) **Ahmed Mahmoud** and Alexander Chefranov (2014) . Hill Cipher Modification Based on Pseudo-Random Eigenvalues HCM-PRE, Applied Mathematics and Information Sciences (SCI-E),8(2) ,pp. 505-516. (SCI-E)
- 2) Evgueni Doukhitch, Alexander Chefranov and **Ahmed Mahmoud**. Quaternion Encryption Scheme Modification Resistant to Known Plaintext- Ciphertext Attack and its Hardware-Oriented Implementation, **to Appear in** Applied Mathematics and Information Sciences ,<http://naturalspublishing.com/FC.asp?JorID=1>. (SCI-E)
- 3) **Ahmed Mahmoud** and Alexander Cherfanov (2012) . Secure Hill Cipher Modification Based on Generalized Permutation Matrix SHC-GPM, International Journal of Information Sciences Letters, volume 1, 2, (2012) ,pp. 91-102.

- 4) Alexander G. Chefranov, **Ahmed Y. Mahmoud**. Commutative Matrix-based Diffie-Hellman-Like Key-Exchange Protocol. **Lecture Notes in Electrical Engineering, Springer**, 2013, pp. 317-324.
- 5) **Ahmed Y. Mahmoud**, Alexander G. Chefranov, A Hill Cipher Modification Based on Eigenvalues Extension with Dynamic Key Size HCM-EXDKS, International Journal of Computer Network and Information Security (IJCNIS), JCNIS Vol. 6, No. 5, April 2014, PP.57-65.
- 6) **Ahmed Mahmoud**, Ali Mahdi, On Multi-window Against Mobile Application Lock, International Journal of Multidisciplinary Engineering Science Studies, JMES, Vol 2, No 5, May, 2016, PP. 494-497
- 7) **Ahmed Mahmoud**, Mohammed Barakat and Mahmoud Ajjour, Design And Development Of Elearning University System, International Journal of Multidisciplinary Engineering Science Studies, JMES, Vol 2, No 5, May, 2016, PP. 498-504
- 8) Ann S. Abdelwahed, **Ahmed Mahmoud**, Ramiz Madair, Information Security Policies and their Relationship with the Effectiveness of the Management Information Systems of Major Palestinian Universities in the Gaza Strip, International Journal of Information Science and Management (IJISM) **Vol 15, No 1 (2017)** pp. (SCOPUS)
- 9) Naser Masri, Yousef Abu Sultan, Alaa N. Akkila, Abdelbaset Almasri, Adel Ahmed, **Ahmed Y. Mahmoud**, Ihab Zaqout & Samy S. Abu-Naser, Survey of Rule-Based Systems, International Journal of Academic Information Systems Research (IJASIR) 3 (7):1-23 (2019)
- 10) Adel Ahmed, Naser Masri, Yousef Abu Sultan, Alaa N. Akkila, Abdelbaset Almasri, **Ahmed Y. Mahmoud**, Ihab Zaqout & Samy S. Abu-Naser, Knowledge-Based Systems Survey, International Journal of Academic Engineering Research (IJAER) 3 (7):1-22 (2019)
- 11) Almasri, Abdelbaset; Ahmed, Adel; Almasri, Naser; Abu Sultan, Yousef S.; **Mahmoud, Ahmed Y.**; Zaqout, Ihab S.; Akkila, Alaa N.; Abu-Naser, Samy S., Intelligent Tutoring Systems Survey for the Period 2000- 2018, International Journal of Academic Engineering Research (IJAER) 3 (5), 21-37 (2019)
- 12) Alaa N Akkila, Abdelbaset Almasri, Adel Ahmed, Naser Al-Masri, Yousef S Abu Sultan, **Ahmed Y Mahmoud**, Ihab S Zaqout, Samy S Abu-Naser, Survey of Intelligent Tutoring Systems up to the end of 2017, International Journal of Academic Information Systems Research (IJASIR) 3 (4), 36-49 (2019)
- 13) Elzamy, abdelrafe and Messabia, Nabil and Doheir, Mohamed and Mahmoud, Ahmed and Bin Hasan Basari, Abd Samad and Abu Selmiya, Nizar and Sayed, Ali AlShami (2019) *Adoption of Cloud Computing model for Managing e-Banking System in Banking Organizations*. International Journal of Advanced Science and Technology, 28 (1). pp. 318-326. ISSN 2005-4238

## Proceedings

- 1) Alexander Chefranov and **Ahmed Mahmoud** (2010) . Public Key Cryptosystem and signature Scheme in  $GU(m,p,n)$ ,3rd International Conference on Security of Information and Networks, Taganrog, Rostov-on Don, Russia,Mosco,7-11 September 2010,pp. 164-168.
- 2) **Ahmed Mahmoud** and Alexander Chefranov (2010) . Secure Hill Cipher Modifications and Key Exchange Protocol, IEEE International Conference on Automation, Quality and Testing, Robotics AQTR 2010- THETA 17th edition, Cluj-Napoca,May 28-30 2010,pp. 164-168.
- 3) **Ahmed Mahmoud** and Alexander Chefranov (2009) . Hill Cipher Modification Based on Eigenvalues HCM-EE,2nd Int. Conf. Security of Information and Networks (SIN2009), Gazimagusa (TRNC) North Cyprus, Elci, A., Orgun, M., and Chefranov, A. (Eds.), ACM, New York, USA, Gazimagusa ,October 6-8 2009,pp. 164-167.
- 4) **Ahmed Mahmoud** and Mohammed Abu Alqumboz. “Encryption Based on Multilevel Security for Relational Database EBMSR” ICPET 2019, 23-24 October, to appear in IEEE Xplore

## Research Interest

Parallel programming and distributed systems , Design and Analysis Algorithms, Cryptographic (Information Security), E-Learning, and Web Development

## TEACHING

### First Degree

1. Information Security
2. Computer Architecture and Assembly Language
3. Algorithm Analysis and Design
4. Simulation and Modeling
5. Wireless Networks
6. Computer Networks
7. Operating Systems I
8. Operating Systems II
9. Database systems
10. Programming Language Courses: Delphi, C and C++, Visual Basic, Java, C#
11. Operation Research
12. Management Information Systems
13. Selected Topic I and Selected Topic II
14. Special Topic I

### Graduate Students (Master Level)

1. Cryptography and Network Security
2. Advanced Topics in Information Security
3. Selected Topics in Computing and Information Systems

### **Supervision**

- Currently, supervise many researchers for the Master degree in Computing and Information Systems, Department of Information Technology, Faculty of Engineering and Information Technology, Al-Azhar University
- Supervised many researchers for the MS. Degree in Business and administration in Al-Azhar University
- Supervised many students for the bachelor degree requirement of the degree in Information Technology in Al-Azhar University

### **External Examiner**

- External examiner for the master degree students in Islamic University-Gaza and Palestine University-Gaza

### **Working As A Reviewer For International Journals in Several Leading Publishers**

I have been working as a reviewer with a distinguished indexing and abstracting in the international leading publishers including (*Elsevier, Springer, Natural Sciences Publishing, Taylor & Francis, Islamic University Journal, Al-Azhar University Journal and many conferences as well.*)