

CURRICULUM VITAE

Personal Information

NAME: Zeyad Hashem Desuqi Mohammad

ADDRESS:

Al-Karameh- South Shuna, Jordan

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Education

2005– 2010 Ph.D in information cryptography and network security (Honor), Institute of Information Management, **National Chiao Tung University, Hsinchu-Taiwan.**

Evaluation: Excellent (89.5%).

Dissertation Title: Cryptanalysis and Enhancement of Authenticated Key Agreement Protocols and Their Security Models.

Qualification Exams:

- 1- Computer Algorithms
- 2- Information Network Security
- 3- Advance Data Base Management (Data Mining)
- 4- Operation Research

2002–2004 Master in Computer Science, **Amman Arab University for Graduate Studies, Amman - Jordan.**

Evaluation : Excellent (3.73/4).

1992-1996 Bachelor of Science in Computer Science, **Mu'tha University, Karak – Jordan**

Evaluation : Good (69.80 %)

Research Interests

- Key Agreement protocols and Their Security models
- Cryptanalysis
- Network Security
 - User Authentications
 - WiMAX security
- Design and Analysis Algorithms

Publications

- SCI Journal Papers:
 1. Zeyad Mohammad, Chien-Lung Hsu ,Yaw-Chung Chen and Chi-Chun Lo, An efficient and secure three-pass authenticated key agreement elliptic curve based protocol, International Journal of Innovative Computing, Information and Control, Vol. 7, No. 3, March, 2011, SCI .
 2. Zeyad Mohammad, Yaw-Chung Chen, Chien-Lung Hsu and Chi-Chun Lo, Cryptanalysis and enhancement of authenticated key agreement with key confirmation, IETE Technical Review, vol. 27, no. 3, pp. 252-265, 2010. SCI
 3. Zeyad Mohammad, Chien-Lung Hsu ,Yaw-Chung Chen and Chi-Chun Lo, Cryptanalysis of a secure and efficient three-pass authenticated key agreement protocol based on elliptic curves, Journal of Internet Technology, Vol. 14 No. 2, March 2013, SCI.
- Conference Papers:
 1. Zeyad Mohammad and Chi-Chun Lo, Vulnerability of an improved elliptic curve Diffie-Hellman key agreement and its enhancement, E-Business and Information System Security, 2009. EBISS '09. Wuhan, China, IEEE Computer Society, pp.1-5, 2009, EI.
 2. Ahmad Abusukhon, Zeyad Mohammad, and Mohammad Talib, A Novel Network Security Algorithm Based on Encrypting Text into a White-page Image, Proceedings of the World Congress on Engineering and Computer Science 2016 Vol I WCECS 2016, October 19-21, 2016, San Francisco, USA
- Books:
 1. Zeyad Desuqi Mohammad et al. Computer Skills :(Introduction, Windows, Dos, MSWord, Excel, Internet). Dar Al-Motaz, Amman, Jordan, 2002.
- Recently, working in the following SCI journal papers which are titled as follows:
 1. Security Weakness and Improvement of MQV Based Authenticated Key Agreement Protocols.
 2. A Robust Diffie-Hellman Based Authenticated Key Agreement Protocol with a Tight Security Reduction Proof.
 3. Cryptanalysis and Enhancement of an Improved Elliptic Curve Diffie-Hellman Key Agreement.
 4. Routing IP protocols

Honors and Awards

- The International Biographical Centre-Cambridge Certificate for Outstanding Engineering Achievement (2016).
- Marquis Who's Who in Science and Engineering (2011-2012)
- Ph.D (Honor) in cryptography and network security from institute of information management, NCTU, 2010.
- Ph.D Scholarship, 4 years, NCTU, Hsinchu, Taiwan, 2005-2009.
- Bachelor of Science in Computer Science Scholarship, 4 years, Ministry of high education, Jordan, 1992-1996.
- Teacher Assistant, NCTU, Hsinchu, Taiwan.

- Research Assistant, user authentication projects, National Science Council and Chang Gung University, Taiwan.

Experiences

- Assistant Professor, Al Zaytoonah University of Jordan, 2010 until now.
- Lecturer of computer science for C++, Computer skills, VB6, Data Base and PC components (Sep. 2004 – Sep. 2005)
Place: AL Balqa` Applied University/Salt College, Salt – Jordan Tel. +962-5-3530467
- Computer Specialist (Feb. 2001 – Sep. 2004).
 - Responsible for lab, computers Hardware, Software and LAN.
 - ECDL/ICDL (International Computer Driving License) Instructor.Place: AL Balqa` Applied University/Salt College, Salt – Jordan Tel. +962-5-3530467
- Teacher/Lecturer of computer science (Jun. 1998 – Jun. 2000) for C, C++, Visual C++, Pascal, Microsoft office Window95/98, MS-DOS, Database, Principle of programming.
Place: Ideal Institute for Technical Studies, Dammam-K.S.A Tel. 8426044
- Instructor of computer science for Microsoft Office97, Win98 and VB6 (Jun. 1997– May. 1998).
 - Responsible for training courses in Office 97, Win95, VB5 and VB6Place: Dar Allughat Center, Salt – Jordan Tel. +962-5-3530453
- Teacher of computer science (Sep. 1996 – Jun. 1997).
Place: Ministry of Education, South Shuna-Jordan

Languages

- English: Speaking: Fluent, Reading & Writing: Fluent
- Arabic: Native speaker.