



CURRICULUM VITAE

Eman Mohammad Abu Maria

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1. Personal Data

Nationality: Jordanian

2. Education

- M.Sc. (Computer Information Systems) The Arab Academy for Management, Banking and financial Sciences, Amman, Jordan.
- B.Sc. (Computer Science) Al Zaytoonah University of Jordan, Amman, Jordan.

3. Employment

Academic Positions

Teacher, Department of Computer Information Systems, Al Zaytoonah University of Jordan, Amman, Jordan.

4. Research Interests

1. Information Security
2. Network Security
3. Steganography
4. Artificial Intelligent

5. Membership in Scientific Societies and Associations



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6. Teaching Experience

1. Undergraduate Courses

- Principles of Programming.
- Introduction to Information Technology.
- Web Design (HTML, JavaScript and CSS)
- Ready Packages (Adobe Flash, C4D)
- Computer Pre-Skills.

7. Membership of Committees

– University

- E - Learning Committee
- Study Plans Committee
- Q.A. Committee
- Study and optimization plans Committee
- Website Development Committee
- Marketing Committee of the CIS and Cys Department
- Media Committee of the College

8. Professional and Scientific Meetings

Scientific Meetings Organized

- Organizing Committee in the 1th International Conference on Information Technology, ICIT2003, AL-Zaytoonah University of Jordan, Amman – Jordan, 2003.
- Organizing Committee in the 2th International Conference on Information Technology, ICIT2005, AL-Zaytoonah University of Jordan, Amman – Jordan, 2005.
- Organizing Committee in the 3th International Conference on Information Technology, ICIT2007, AL-Zaytoonah University of Jordan, Amman – Jordan, 2007.
- Organizing Committee in the 4th International Conference on Information Technology, ICIT 2009, AL-Zaytoonah University of Jordan, Amman – Jordan, 2009.
- Organizing Committee in the 5th International Conference on Information Technology, ICIT 2011, AL-Zaytoonah University of Jordan, Amman – Jordan, 2011.



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- Organizing Committee in the 1st Information Technology Colloquium, Computer Information Systems Department, Al-Zaytoonah University of Jordan, Amman – Jordan, 2010.
- Organizing Committee in the 2nd Information Technology Colloquium, Computer Information Systems Department, Al-Zaytoonah University of Jordan, Amman – Jordan, 2012.
- Editing Committee in the 6th International Conference on Information Technology, ICIT 2013, AL-Zaytoonah University of Jordan, Amman – Jordan, May, 2013.
- Editing Committee in the 8th International Conference on Information Technology, ICIT 2017, AL-Zaytoonah University of Jordan, Amman – Jordan, May, 2017.
- Editing Committee in the 9th International Conference on Information Technology, ICIT 2019, AL-Zaytoonah University of Jordan, Amman – Jordan, April, 2019.
- Publication Committee in the 9th International Conference on Information Technology, ICIT 2019, AL-Zaytoonah University of Jordan, Amman – Jordan, April, 2019.
- Editing Committee in the 10th International Conference on Information Technology, ICIT 2021, AL-Zaytoonah University of Jordan, Amman – Jordan, July, 2021.
- Publication Committee in the 10th International Conference on Information Technology, ICIT 2021, AL-Zaytoonah University of Jordan, Amman – Jordan, July, 2021.
- Publication and Editing Committee in the 10¹¹ International Conference on Information Technology, ICIT 2023, AL-Zaytoonah University of Jordan, Amman – Jordan, July, 2023.

Participation in Scientific meetings

- Participate in the 9th International Conference on Information Technology, ICIT 2019, Data Science, AL-Zaytoonah University of Jordan, Amman – Jordan, April, 2019.
- Participate in the 10th International Conference on Information Technology, ICIT 2021, Data Science, AL-Zaytoonah University of Jordan, Amman – Jordan, July, 2021.
- Participate in the 11th International Conference on Information Technology, ICIT 2023, Cybersecurity Challenges for Sustainable Cities, AL-Zaytoonah University of Jordan, Amman – Jordan, August, 2023.



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9. Publications

1. N. Kamel Heba, A. Alia Mohammad, A. Al Saeq Bara'ah and **Abu Maria Eman**, *A Secure E- Medical Exemption System (E-MES): Jordan Case*, (International Journal of Network Security & Its Applications (IJNSA), Vol.9, No.2, 2017.
2. Khulood Abu Maria, A. A. Nagham, Tarek Kanan and **Eman Abu Maria**, *Using Cognitive Agent in Manufacturing Systems*, Journal of Theoretical & Applied Information Technology (JTAIT), Vol. 95, No. 10, 2017.
3. Mohammad A. Alia, Adnan A. Hnaif, Ayman M. Abdalla and **Eman Abu Maria**, *An Improved Authentication Scheme Based on Graphical Passwords*, Innovative Computing, Information and Control (ICIC) Express Letters, Vol. 12, No. 8, August 2018, Pages (775-783).
4. Nagham Azmi AL-Madi, Khulood Abu Maria, **Eman Abu Maria** and Mohammad Azmi AL-Madi, *A Structured-Population Human Community Based Genetic Algorithm (HCBGA) in a Comparison with Both the Standard Genetic Algorithm (SGA) and the Cellular Genetic Algorithm (CGA)*, Innovative Computing, Information and Control (ICIC) Express Letters, Vol. 12, No. 12, 2018, Pages (1267-1275).
5. **Eman Abu Maria**, Khulood Abu Maria, and Mohammad Ahmad Alia, "Smart Agents in the Business Information System," ICIC Express Letters, Volume 13, Number 10, 2019.
6. Khulood Abu Maria, Mohammad A. Alia, Maher A. Alsarayreh and **Eman Abu Maria**, UN-Substituted Video Steganography, KSII Transactions on Internet and Information Systems, Vol. 14, No. 1, January 31, 2020.
7. Ahmad A.A. Alkhatib , Mohammed W. Elbes and **Eman M. Abu Maria**, "Improving Accuracy of Wireless Sensor Networks Localisation based on Communication Ranging", IET Intelligent Transport Systems, Vol.14 No. 18 July 30,2020 Page 3184-3193.
8. Mohammad Abduljawad, Amal Ahmad, Khalid Mohammad Jaber, Ahmad Al Thunaibat, **Eman Abu Maria**, Ahmad Khasawneh, Haneen Hijazi, "Evaluating and Adopting E-learning Systems in Al-Zaytoonah University of Jordan", Int. J. Advance Soft Compu. Appl, Vol. 12, No. 3, November 2020.
9. Ahmad A.A. Alkhatib, Khulood Abu Maria, Shadi Alzu'bi, **Eman Abu Maria**, "Novel System for Road Traffic Optimisation in Large Cities", *IET Smart Cities*. IET (2022).
10. Ahmad A.A. Alkhatib, Khulood Abu Maria, Shadi Alzu'bi, **Eman Abu Maria**, "Smart Traffic Scheduling for Crowded Cities Road Networks", *Egyptian Informatics Journal. ElSiver* (2022).
11. Nagham A Al-madi, Khulood A Abu Maria, Mohammad A Al-madi, **Eman A Abu Maria**, "An Intelligent Arabic Chatbot System to Reduce Admissions Department Burdens" May (2023).
12. Khulood Abu Maria, Adi El-Dalahmeh, Eman Abu Maria and Moawiah ElDalahmeh, "VANETs Built on SDN: Emerging Trends in Technology and Modeling", J. Electrical Systems 20-3 (2024): 7023-7040.



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13. Nagham Azmi Al-Madi, Khulood Abu Maria, Mohammad Azmi Al-Madi, **Eman Abu Maria**, "An inquiry smart chatbot system for Al-Zaytoonah University of Jordan", Bulletin of Electrical Engineering and Informatics 1-8-2024 : 2758-2773.
14. Adi El-Dalahmeh, Khulood Abu Maria, Moawiah ElDalahmeh and **Eman Abu Maria**, "Software-Defined Vehicular Ad-Hoc Networks: Trends, Challenges, and Future Perspectives", International Journal of Computing and Digital Systems, April 202518(1):1-18.

10. Conferences

1. Mohammad A. Alia, Khulood Abu Maria, Maher A. Alsarayreh **Eman Abu Maria** and Sally Almanasra, *An Improved Video Steganography: Using Random Key-Dependent*, 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT), 2019.
2. Ahmad A.A. Alkhatib, Zeyad Mohammad, **Eman Abu Maria**, "ROAD TRAFFIC Management SOLUTIONS", International Conference on Information Technology (ICIT), 2021
3. NA Al-Madi, KA Maria, MA Al-Madi, MA Alia, **Eman Abu Maria**," *An intelligent Arabic chatbot system proposed framework*", 2021 International Conference on Information Technology (ICIT), P 592-597, 2021.
4. Salam Hamdan, Manal Mizher, Hani Mimi, **Eman Abu Maria**, Abdullah Mubarak Heyari, "Feature Extraction with Differential Evolution Algorithm", International Conference on Information Technology (ICIT) August 2023
5. Adi El-Dalahmeh, **Eman Abu Maria**, "Schnorr-Based Authentication Framework for Secure Vehicle to Vehicle Communication", 12th International Conference on Information Technology (ICIT) 2025 -IEEE 27-5-2025, 375-380.