QFG11/0110 - 3.1E	Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

CURRICULUM VITAE

Salam Ibrahim Hamdan

Cybersecurity department/Faculty of science and information technology,
Al-zaytoonah University of Jordan, Amman, Jordan
Phone: (06) 429 1511
Fax: 00962-6-4291432.
E-mail: s.hamdan@zuj.edu.jo

1. Personal Data

Date of Birth: 23-9-1990
Nationality: Jordanian

2. Education

- Ph.D. (Computer Science) 2020, Princess Sumaya University for Technology, Amman, Jordan

- M.Sc. (Information System Security and Digital Criminology) 2015, Princess Sumaya University for Technology, Amman, Jordan

- B.Sc. (Computer Engineering) 2012, Al-Balqa Applied University, Al Salt, Jordan

3. Ph.D. Dissertation

4. *A New Edge-Enabled Distributed Multi-Task Learning Method for a Large-Scale IoT Deployment*, Princess Sumaya University for technology, Amman, Jordan.

QFG11/0110 - 3.1E	Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

5. <u>Employment</u>

Academic Positions

- Part-time lecturer, business intelligence, Petra University, Amman, Jordan
  Feb – 2022 – June - 2022
- Instructor, Computer Science, Princess Sumaya University for Technology, Amman, Jordan
  Feb 26, 2020 – June 7, 2020
  Instructor, Computer Science, Princess Sumaya University for Technology, Oct 1, 2015 – June 7, 2019
- Teacher Assistant, Computer Science, Princess Sumaya University for Technology, Amman, Jordan
  Oct 1,2012 – June 7, 2024

6. <u>Research Interests</u>

- Hardware Security
- IoT Security
- Machine learning
- Edge Computing
- Multi-task learning
- Hardware Security

7. <u>Fellowships and Scholarships</u>
Full scholarship for master's degree
Full scholarship for Ph.D. degree

9. <u>Teaching Experience</u>

- *Undergraduate Courses*
- Object Oriented Programming
- Structured Programming Language
- Advanced Topics in BI
- Data Management

10. Professional and Scientific Meetings

Role	Conference	Duration	Location
Organizer	New Trends in Computing Sciences (ICTCS), 2017 International Conference, IEEE.	October 1-13, 2017	Amman, Jordan
Author	the International Arab Conference on Information Technology (ACIT), IEEE.	December 22-24, 2017	Yassmine Hammamet, Tunisia
Author	Digital Information, Networking, and Wireless Communications (DINWC), IEEE.	April 25-27, 2018	Beirut, Lebanon
Author	at the Fifth International Symposium on Innovation in Information and Communication Technology, IEEE.	October 31 - November 01, 2018	Amman, Jordan
Author	The 2019 6th International Conference on Information Technology, Computer and Electrical Engineering (ICITACEE)	September 26, 2019 – September 27, 2019	Semarang, Indonesia
Author	2019 2nd International Conference on new Trends in Computing Sciences (ICTCS)	October 9 – October 11, 2019	Amman, Jordan

11. Publications

1. Hamdan, S., Al-Qassas, R. S., & Tedmori, S. Comparative Study on Sybil Attack Detection Schemes.

2. Hamdan, S., & SHAOUT, A. (jun - jul 2016). FACE RECOGNITION USING NEURO-FUZZY AND EIGENFACE. *International Journal of Computer Science and Engineering (IJCSE), 5*(4), 1-10.

3. Hamdan, S., & SHAOUT, A. (July-August 2016). Hybrid Arabic Speech Recognition System Using FFT, Fuzzy Logic and Neural Network. *IRACST - International Journal of Computer Science and Information Technology & Security (IJCSITS), Vol.6* (No4,), Issn: 2249-9555.

QFG11/0110 - 3.1E	Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

4. Al-Zewairi, M. Hamdan, S and Al Fayoumi, M. (Dec 2017). Enhanced Multi-keyed Risk Adaptive Hybrid RFID Access Control System. The International Arab Conference on Information Technology(ACIT),

5. Al-Fayoumi, M., Hamdan, S., & Al-Zewairi, M. (2018). A new model of multi-key generation for RFID access control system. *Int. Arab J. Inf. Technol.*, *15*(3A), 585-591.

6. Halabi, D., Hamdan, S., & Almajali, S. (2018, April). Enhance the security in smart home applications based on IOT-CoAP protocol. In *Digital Information, Networking, and Wireless Communications (DINWC), 2018 Sixth International Conference on* (pp. 81-85). IEEE.

7. Hamdan, S., Hudaib, A., Awajan, A..(2018, November). Hybrid Algorithm to Detect the Sybil Attacks in VANET. The Fifth International Symposium on Innovation in Information and Communication Technology (ISIICT 2018). IEEE.

8. Salam Hamdan, Amjad Hudaib & Arafat Awajan (2019) Detecting Sybil attacks in vehicular ad hoc networks, International Journal of Parallel, Emergent and Distributed Systems, DOI: 10.1080/17445760.2019.1617865

9. Hamdan, S., Awajan, A., Alkouz, A.(2019, Sep). Using Minimum Distance to Classify Uttered Arabic Words into Subject - Object Name. 2019 6th International Conference on Information Technology, Computer and Electrical Engineering (ICITACEE). Semarang, Indonesia.

10. Hamdan, S., Awajan, A., Almajali, S., Compression techniques used in IoT: A comparative study2019 2nd International Conference on new Trends in Computing Sciences (ICTCS). Amman, Jordan.

11. Hamdan, S., Almajali, S., & Ayyash, M. (2020, November). Comparison study between conventional machine learning and distributed multi-task learning models. In 2020 21st International Arab Conference on Information Technology (ACIT) (pp. 1-5). IEEE.

12. Hamdan, S., Ayyash, M., & Almajali, S. (2020). Edge-computing architectures for internet of things applications: A survey. Sensors, 20(22), 6441.

13. Hamdan, S., Almajali, S. Ayyash, M. Bany Salameh, H., Jararweh, Y. (2022). An Intelligent Edge-enabled Distributed Multi-Task Learning Architecture for Large-scale IoT-based Cyber-physical Systems. Simulation Modelling Practice and Theory.