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CURRICULUM VITAE

Salam Ibrahim Hamdan

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information technology,
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1. Personal Data

Date of Birth:
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

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

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4. <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

5. <u>Research Interests</u>

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

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

9. <u>Teaching Experience</u>

Undergraduate Courses
- Ethical hacking in cyber security
- Networks 1
- Infrastructure security using linux
- Object Oriented Programming
- Structured Programming Language
- Advanced Topics in BI
- Data Management

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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., Mizher, M., Mimi, H., Maria, E. A., & Heyari, A. M. (2023, August). Feature Extraction with Differential Evolution Algorithm. In *2023 International Conference on Information Technology (ICIT)* (pp. 391-396). IEEE.
2. Mizher, M., Hamdan, S., Mizher, M., Mazhar, A. A., Mimi, H., & Heyari, A. M. (2023, August). Three Dimensional Objects Encryption Algorithms: A Review. In 2023 International Conference on Information Technology (ICIT) (pp. 435-440). IEEE.
3. Hamdan, S., Almajali, S., Ayyash, M., Salameh, H. B., & Jararweh, Y. (2023). An intelligent edge-enabled distributed multi-task learning architecture for

large-scale IoT-based cyber–physical systems. Simulation Modelling Practice and Theory, 122, 102685.

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

5. 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.

6. 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.

7. 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.

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., 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.

10. 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.

11. 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.

12. 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),

13. 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.

14. 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.

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