



CURRICULUM VITAE

Full name: Katrina Issa Abu Al-Sundus

Department of Computer Science / Faculty of Science and Information Technology

Al-Zaytoonah University of Jordan, Amman, Jordan

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1. Personal Data

Date of Birth: July 23, 1983

Place: Russia, Rostov

Nationality: Jordanian/ Russian

2. Education

- PhD in Computer Science, 2024, University of Jordan, Jordan, Amman.
- Master of Computer Science, 2013, University of Jordan, Jordan, Amman.
- BE of Computer Information Science, 2006, Al-Zaytoonah University of Jordan, Amman.

3. Master Dissertation

Mobility Effect on Broadcast Authentication for Wireless Sensor Networks,
University of Jordan, Jordan, Amman.

4. Ph.D. Dissertation

A Hybrid Approach for Breast Cancer Recurrence Prediction: A Case Study From KHCC/Jordan, University of Jordan, Jordan, Amman.



5. Employment

Academic Positions

- Assistant Professor, Al- Zaytoonah University of Jordan, Jordan, Amman, 2024.

Others

- Computer programmer, civil Service Consumer Corporation, Mar. 2024- Sep. 2024.
- Teacher Assistant, University of Jordan, 2018–2020.
- Teacher Assistant, University of Jordan, 2018–2020.
- Computer Teacher, International British School, 2008–2011.

6. Research Interests

- Computer Security***
- Computer Networks***
- Database***
- Machine Learning and Data Mining***
- Artificial Intelligence applications***
- Natural Language Processing***

7. Honors and Awards

Best Paper Award 2019

IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT)

Track Name: Computer Networks (CN)

Presenter Name: Katrina Sundus

Paper Title: Mobility Effect on the Authenticity of Wireless Sensor Networks

University: University of Jordan, Amman, Jordan

<https://jeeit.net/2019/04/15/best-paper-awards/>

9. Teaching Experience

- Undergraduate Courses***
 - Database Systems Programming (ORACLE)***
 - Information Technology Fundamentals***



10. Publications

Katrina I Sundus, Bassam H Hammo, Mohammad B Al-Zoubi, "Enhancing fairness in breast cancer recurrence prediction through temporal machine learning models", Neural Computing and Applications, Springer London, pp. 1-22, 2024.

Katrina I. Sundus, Bassam H. Hammo, Mohammad B. Al-Zoubi, Amal Al-Omari, "Solving the multicollinearity problem to improve the stability of machine learning algorithms applied to a fully annotated breast cancer dataset", Informatics in Medicine Unlocked, Volume 33, 2022, 101088, ISSN 2352-9148, <https://doi.org/10.1016/j.imu.2022.101088>.

Iman Almomani and Katrina Sundus, "The Impact Of Mobility Models On The Performance Of Authentication Services In Wireless Sensor Networks", Jordanian Journal of Computers and Information Technology (JJCIT), Vol. 06, No. 01, March 2020, pp. 75-93.

K. Sundus, F. Al-Haj and B. Hammo, "A Deep Learning Approach for Arabic Text Classification," 2019 2nd International Conference on new Trends in Computing Sciences (ICTCS), Amman, Jordan, 2019, pp. 1-7.

K. Sundus and I. Almomani, "Mobility Effect on the Authenticity of Wireless Sensor Networks", 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT), IEEE, PP. 286-292, April 9,2019.

R. Alsayyed, D. Qutishat, A. Edinat and K. Sundus, "PDV-based Pricing Estimation Model Comparative to AWS Reserved Option", The International Journal of Computer Science and Information Security (IJCSIS), vol. 7, issue 3, pp. 8-13, 2019.

Amjad Hudaib, Sandi N. Fakhouri and Katrina Sundus, "Service Composition Formal Techniques in Service Oriented Architecture: A Survey", International Journal of Science and Research (IJSR), vol. 7, issue 7, pp. 1472-1483, 2018.