



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

E-mail: k.sundus@zuj.edu.jo



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.