

Curriculum Vitae

Personal Data

Name : Sami Saleh Qawasmeh
Date of Birth : June 2, 1962
Place of Birth : Irbid – Jordan
Languages : Arabic and English
Marital Status: Married
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Carrier Objective

A highly dedicated, assistant prof. with an extensive knowledge of teaching computer science courses is looking for a challenging position where I can effectively contribute my skills and experience for the growth of the institution and helping students become masters in the field.

Education

Ph.D. The University of Banking and Financial Sciences, Amman, Jordan.

Major: Computer Information Systems, 2013.

Dissertation Title: "Smart Caching and Replacement Policy for Web Caching in a Dynamic User Environment."

M.S. Atlanta University, Atlanta, GA, U.S.A. Major: Computer Science, 1989.

B.S. Mercer University, Atlanta, GA, U.S.A. Major: Computer Science, 1987.

Extensive studies in database design, operating system design, artificial intelligence, data mining, simulation and modeling, distributed information systems, advanced multimedia systems, advanced topics in knowledge based systems, advanced topics in E-business, advanced topics in information systems security, and advanced topics in software engineering.

Professional Experience

- 1- Assistant Professor: Jadara University, Irbid, Jordan, Oct., 2021 - current.
- 2- Chair, Department of Computer Science, Faculty of Science and Information Technology, Jadara University, Oct., 2013 – Oct., 2021.
- 3- Instructor: Jadara University, Irbid, Jordan from 8/2009 till 8/2013.
- 4- Participated in the following committees at Jadara University:
 - a) Chair, Examinations Committee.
 - b) Member of the Faculty of Science and Information Technology Council Committee.
 - c) Member of Curricula, Schedules and Study Plans Committee.
 - d) Member of Student Disciplinary Committee.
 - e) Member of Computer Skills Placement Test Committee.
 - f) Member of Competency-based Assessment Committee.
 - g) Member of Quality Assurance Committee.
 - h) Member of Scientific and Research Committee.
- 5- Instructor: Irbid Private University, Irbid, Jordan from 1/2000 till 8/2009.
- 6- Secretary of the Council of the Computer Science Department, Irbid Private University, Irbid, Jordan from 9/2001 to 9/2003 and from 10/2007 – 8/2009.
- 7- Participated in the following committees at Irbid Private University:
 - a) “Establishment of Science & Information Technology Faculty Committee”.
 - b) “Preparing Courses description in both English and Arabic Languages for the Faculty of Science and Information Technology Departments Committee”.
 - c) “Preparing the computer skills evaluation examination for newly admitted students committee”.
 - d) Member of the Faculty of Science and Information Technology Council.
- 8- First Computer System Inc. Atlanta, Georgia, U.S.A. 89-93.
 - ☐ Developing software for the company and customers.
 - ☐ Building computers
 - ☐ Handling technical question.

9- Computer Lab Assistant, Mercer University, Atlanta Georgia, U.S.A.

- ☐ Assisted student-writing programs in several languages on the VAX-780 and personal computers.
- ☐ Familiarize new students with VAX-780 computer system.

Teaching Experience

I have taught different undergraduate courses in computer science such as:

- **Operating Systems.**
- **User Interface Design, Implementation, and Evaluation**
- **Introduction to Information Technology**
- **Computer Skills (2) - C++ programming language.**
- **Programming Language (1) – Visual BASIC and C++.**
- **Programming Language (3) - Advance Visual BASIC.**
- **Computer Graphics using BGI and OpenGL.**
- **Pascal Programming Language.**
- **Data Structures.**
- **Modeling and Simulations**
- **Information System Security.**
- **Object Oriented Programming.**
- **Compiler Design**
- **Human Computer Interaction**
- **Supervised students' graduation projects.**

Programming Languages and Tools

Programming Languages:

C, C++, LISP, COBOL, Pascal, FORTRAN, BASIC, Assembly, Visual Programming, HTML, Java, C#, OpenGL (Graphics Library) and other languages.

Databases Systems:

Oracle, MYSQL, FoxPro, Dbase III+, Dbase IV, and Visual Databases.

Networks: Windows NT, Windows Workgroup, and Novell Netware.

Publications

- 1) Baraah Qawasmeh, **Sami Qawasmeh**, Arar Al Tawil and Doaa Qawasmeh, “*Estimation of Trip-based Generation Models and Calibration of Mode Choice Models for the American Travel Behavior*”, The Open Transportation Journal, Vol. 18, 2024. (SCOPUS Q3). DOI: [10.2174/0126671212348473241010122638](https://doi.org/10.2174/0126671212348473241010122638)
- 2) **Sami Qawasmeh**, Ahmad Haboush, and Bassam Elzaghmouri. “*Hybrid Convolutional Neural Network-based Intrusion-Detection-System for Securing IoT-Networks*”, accepted for publication in the Journal of Southwest Jiaotong University, Vol. 59 (1), 2024.
- 3) **Sami Qawasmeh**, “*An Improved Genetic Algorithm for Scheduling Sensor Nodes in WSN*”. International Journal of Membrane Science and Technology, Vol. **10, No. 5**, pp 580-596, 2023. (SCOPUS Q4).
- 4) M. S. Alzboon, **S. Qawasmeh**, M. Alqaraleh, A. Abuashour, A. F. Bader and M. Al-Batah, “*Pushing the Envelope: Investigating the Potential and Limitations of ChatGPT and Artificial Intelligence in Advancing Computer Science Research*,” 2023 3rd International Conference on Emerging Smart Technologies and Applications (eSmarTA), Taiz, Yemen, 2023, pp. 1-6, DOI: [10.1109/eSmarTA59349.2023.10293294](https://doi.org/10.1109/eSmarTA59349.2023.10293294).
- 5) M. S. Alzboon, **S. Qawasmeh**, M. Alqaraleh, A. Abuashour, A. F. Bader and M. Al-Batah, “*Machine Learning Classification Algorithms for Accurate Breast Cancer Diagnosis*,” 2023 3rd International Conference on Emerging Smart Technologies and Applications (eSmarTA), Taiz, Yemen, 2023, pp. 1-8, DOI: [10.1109/eSmarTA59349.2023.10293415](https://doi.org/10.1109/eSmarTA59349.2023.10293415).
- 6) Arwa Zabian and **Sami Qawasmeh**, “*The Impact of Emerging Technologies on Workplace Privacy Case Study-Electronic Monitoring*”. Journal of Computer of Science. Vol. 18, Issue 7, pp 578-588, 2022.
- 7) **Sami Qawasmeh**, Arwa Zabian. “*DPSA: Deterministic Parallel Search Algorithm in Large Database*”. Journal of Computer Science. Vol.13 issue 9, 2017. pp: 452-459. DOI: [10.3844/jcssp.2017.452.459](https://doi.org/10.3844/jcssp.2017.452.459). ISSN: E 1552-6607. (SCOPUS Q4). Available on line <http://thescipub.com/abstract/10.3844/jcssp.2017.452.459>
- 8) Ezz Hattab and **Sami Qawasmeh**, “*A Survey of Replacement Policies for Mobile Web Caching*”, International Conference on Developments in eSystems Engineering (DeSE 2015), Burj Khalifa, Dubai, UAE 13th – 14 th December 2015.
- 9) **Sami Qawasmeh**, Arwa Zabian. “*Three Tier Caching and Replacement Technique for Peer-to-Peer Mobile Web Caching*”. International Journal of Wireless and Mobile Computing). Inderscience journals. Vol 9. N 2, 2015. ISSN: E 1741-1092. Online publication date: Mon, 19- Oct-2015. (SCOPUS Q4) . Available online : <http://www.inderscience.com/offer.php?id=72571>
- 10) Arwa Zabian, Ahmed Ibrahim and **Sami Qawasmeh**, “*Virtual Explorer: a Path Prediction Algorithm for Intelligent Transport Systems*”. Journal of Computer Engineering and Intelligent Systems, ISSN (paper) 2222-171. Vol 5. No.3, 2014. PP: 114-122.
- 11) Haboush, A. and **S. Qawasmeh**, “*Parallel sequential searching algorithm for unsorted array*”, Research Journal of Applied Sciences, Vol. 6, No. 1, pp 70-75, 2011.

- 12) Raed Sahawneh, Ahmed Ibrahim, Sami Qawasmeh, Arwa Zabian, “*Authentication Method Using Hand Images for Access Control systems*”, International Arab Journal of e-technology, Vol. 1, No. 4, PP 115-120, 2010.
- 13) Mwaffaq A.Abu Al hija, Arwa Zabian, Sami Qawasmeh and Omer H. Abu Al haija, A “*Heapify Based Parallel Sorting Algorithm*”. *Journal of Computer Science* Vol. 4. No. 11, pp 897-902, 2008.
- 14) Sami Qawasmeh, Hamed Al-Rjoub, Arwa Zabian. “*Electronic Monitoring: The Jordanian Employees Point of view*”. *Journal of Social Sciences* Vol. 4. No. 3, pp 189-195, 2008.
- 15) Hamed Al-Rjoub, Sami Qawasmeh, Arwa Zabian. “*Parallel Sorting and Merging Algorithm (PSMA)*”. *Journal of Institute of Mathematics & Computer Science (Computer Science Series)*, Vol. 19. No. 1, pp 69-79, 2008.
- 16) Sami Qawasmeh, Ahmad Odat, Hamed Al Rjoub, “*Parallel Matrix Representation-Quicksort Algorithm (PMRQ)*”. *Journal of Institute of Mathematics & Computer Science (Computer Science Series)*, Vol. 18. No. 2, pp75-89, 2007.
- 17) Arwa Zabian, Sami Qawasmeh. “*Web Caching in Mobile Environments*”. *Mobile Computing and Wireless Communications International Conference (MCWC)*, Amman-Jordan, pp 17-20 September 2006.
- 18) Sami Qawasmeh, Hamed Al-Rjoub, Khalid Khniefes. “*Computer Systems Automation*”. 2nd Mathematical and Computer Science Conference, Irbid National University, 2002.