



Curriculum Vitae

Dr. Baseem Saleh Barhoum

Contact Information: Syria, Lattakia

Email: bbarhoum2@gmail.com / Dr.baseembarhom@tishreen.edu.sy

Phone Number: 00963932996979

Personal Statement

I am a dedicated academic and professional with over 20 years of experience in computer science, specializing in information security, intelligent systems, and software testing. My work integrates advanced research with practical applications, fostering innovative solutions to complex challenges. As an external examiner and a committed educator, I emphasize quality assurance and continuous improvement in teaching and administrative roles. I aim to contribute to advancing knowledge while mentoring the next generation of computing professionals.

Academic Qualification

- Ph.D. in Computer Science
Specialization: Information Security and Expert Systems, Aleppo University, 2011
- Master's Degree in Informatics, Tishreen University, 2007
- Postgraduate Diploma in Informatics, Damascus University, 1991
- Bachelor's Degree in Informatics, Tishreen University, 1990

Current Positions

- Assistant Professor, Faculty of Informatics Engineering, Tishreen University
- Head, Software and Information Systems Department, Tishreen University
- Head, Quality Assurance Department, Quality Assurance Center, Tishreen University
- Member of the Committee for Studying and Amending the Examination Procedures Guide at Tishreen University starting from 6/3/2025
- Lecturer at:
 - Syrian Private University <http://www.spu.edu.sy/members/index.php>
 - Yarmouk University <https://site.ypu.edu.sy/index.php>

Published Research

- **Barhoum, B. S.**, Shafamari, M., & Hasan, M. (2007). A Comparative Analytical Study of the Most Famous Symmetric Encryption Algorithms. Tishreen University Journal, 39(4).
- **Barhoum, B. S.** (2022). Improving the Effectiveness of Software Quality Measures. Tartous University Journal, 6(12).
- **Barhoum, B. S.** (2021). Designing and Building a Security Protocol to Protect Digital Documents. Tartous University Journal, 5(8).
- **Barhoum, B. S.**, Dabash, M., Al-Khair, A., & Al-Shaar, D. (2011). New Standards in Evaluating Symmetric Encryption Algorithms. Aleppo University Journal, 75.

- **Barhoum, B. S.**, Dabash, M., Al-Khair, A., & Al-Shaar, D. (2010). Using Smart Technologies to Choose the Appropriate Encryption Algorithm. Aleppo University Journal, 73.
- **Barhoum, B. S.**, & Zazo, S. (2024). Impossible Differential Cryptanalysis on QuariAES and SemiAES. Journal of Harbin Engineering University.
- **Barhoum, B. S.**, & Ali, M. (2024). Detecting Cross-Site Text Attacks Using Artificial Intelligence Techniques. Tartous University Journal, 8(11).
- **Barhoum, B. S.**, & Raslan, H. (2023). Improving Command Suggestions in the ADAS Autonomous Driving System. Al-Baath University Journal of Engineering Sciences, 22.
- **Barhoum, B. S.**, & Hassoun, R. (2022). A Practical Application for Classifying Controversy Components. Damascus University Journal of Engineering Sciences, 38(4).

Teaching Experience

❖ **Tishreen University (2006 – Present)**

➤ **Undergraduate Courses:**

- Information Systems Security (2011 – Present)
- Software Testing (2011 – Present)
- Programming 1 (2020 – Present)
- Database 1 (2013 – 2014)
- Software Engineering (2021 – 2023)

➤ **Postgraduate Courses (Master's Level):**

- Advanced Information Systems Security (2015 – Present)
- Advanced Internet Applications (2016 – 2022)
- Software Quality Assurance and Performance Improvement (2022 – Present)

➤ **Project Supervision:**

Undergraduate Projects (2011 – Present)
 Master's Projects (2017 – Present)
 Supervising PhD students (2022 – Present)

❖ **Syrian Private University (2018 – Present)**

- Database 1 (2018 – 2024)
- Software Testing (2018 – 2024)
- Software Quality Assurance (2023 – 2024)
- Internet Applications (2022)
- Software Engineering (2018 – 2022)
- Advanced Software Engineering (2020 – 2021)
- Project Supervision (2018 – 2024)

❖ **Yarmouk University**

- Software Engineering 1 (Present)

- Programming 2 (C#) (Present)
- Programming Languages (Present)

❖ **Arab Academy for Science, Technology & Maritime Transport (AASTMT) (2000)**

- Computer Science
- Mathematics for Engineering

❖ **Damascus University (1991 – 1994)**

- Computer Science
- Programming Languages
- Mathematics for Engineering

❖ **Saudi Arabia (1994 – 2003)**

- Computer Science
- Programming Languages

Leadership and Administrative Roles

- Director, Quality Assurance Unit, Faculty of Informatics Engineering, Tishreen University (2013 – Present)
- Member, Quality Systems Audit Committee, Tishreen University Faculties
- Head, Tender Committee for Procurement of 30 Computers, Tishreen University
- Member, Website Design and Construction Supervision Committee, Tishreen University
- Head of Quality Assurance Audit Teams for various colleges at Tishreen University, including Human Medicine, Civil Engineering, Applied Sciences, and Economics
- Chair, Optical Cable Installation Committee, Faculty of Informatics Engineering, Tishreen University

Professional Activities

- Reviewer for various scientific articles and journals, including Damascus University Journal and Tartous University Journal.
- Referee for Master's and Doctoral Theses, both internally and externally.
- Published extensively in information security, intelligent systems, and software testing.
- Supervised over ten Master's theses in the Software Department at the Faculty of Informatics Engineering, Tishreen University.
- Authored the book Information Systems Security for the Faculty of Informatics Engineering at Tishreen University in 2020.

Awards and Honors

- Quality Distinction Award for Excellence in Quality Assurance, Tishreen University, 2016
- Honorary Award for First Place in Nationwide Computer World Magazine Competition, Saudi Arabia (2000)