

Wesam Sameer Bhaya

وسام سمير بهيه



**University of Babylon,
College of Information Technology,
Information Networks Department**

VITA

Born in 1976 at Baghdad, Iraq.

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CERTIFICATIONS

- B.Sc, at University of Babylon, College of Science, Computer Department. 1995-1998.
- M.Sc, at University of Babylon, College of Science, Computer Department. 1999-2000.
- Ph.D, at Iraqi Commission for Computers and Informatics, Informatics Institute for Postgraduate Studies, 2001-2004
- Lecturer Assistant, 2002.
- Lecturer, 2004.
- Assistant Professor, 2007.
- Professor 2014.
- The training course for technical staff in 18 Iraqi national universities, for the project of establishment of internet rooms, organize by the Korea International Cooperation Agency and LG Cable Co., Ltd, of the Republic of Korea, 2004.
- CISCO Instructor.
- CCNA Security Team Member, Cisco Learning Institute.
- IC3 Certify.
- Mikrotik MTCNA, MTCTCE.
- Introduction to Linux – NDG.
- Award of first rank of Scientific Day of Iraqi Ministry of Higher Education and Scientific Research of best PhD. Student publication (Mehdi Ebady Manaa) 2016.

POSITIONS

- Instructor at Babylon University (Computer. Dep.). 2000.
- Lecturer at Open Education College, 2003.
- Computer and Internet Maintenance member in Computer Department. 2002-2008.
- Evaluate Technical Researches, 2004.
- Chief of Computer Center of Babylon University, 2005-2010.
- Lecturer at Private Islamic College, Technical Computer Engineering Department, 2007-2008.
- Head of Information Networks Department at University of Babylon, 2009 - 2013.

- Assistant Dean for Administrative and financial Affairs in IT college of University of Babylon, 2013-2014.
- Head of Information Networks Department at University of Babylon, 2014 - 2017.
- Behalf of dean at IT College (four times).
- Co-Editor-in-Chief of Journal of University of Babylon, 2017 - Current.

TEACHED MATERIALS:

System Programming, Artificial Intelligent, Computation Theory, Computer Architecture, Computer Organization, Computer Security and Cryptography, Computer Networking, Distributed System, UNIX Operating System, Internet Architecture, Network Operating System, Wireless Networks, Networks Security, Linux Ubuntu.

INTERESTS

Computer Virus and Antivirus, Information Warfare, Computer Security, Computer Network, Computer Architecture, Operating Systems, Assembly Programming Language, C Programming Language, Delphi Programming Language, Mobile Programming, Internet System Installation, Network Devices Installation, Computer Maintenance, Social Networks, Steganography.

ACHIEVEMENT

- IT International Certificates (IC3, CISCO, Mikrotik)
- Wire and Wireless networks,
- Establishment first Information Network Department which support (Web pages design, Networks Fundamentals, Security, Servers ...etc)
- Camera Security,
- IT servers (Linux, Windows, FTP),
- Built a Data Center (servers, power solution, NAS, key lock
- Antivirus servers,
- Installing VoIP Phones,
- Web Power switch to manage Electrical powers.
- IC3 Lab,
- CISCO Lab,
- Mikrotik Lab,
- TURNITIN plagiarism system support in all Colleges of Babylon University
- Apply Document Management system (LASERFICHE) in IT college to achieve e-administration and archiving.
- Support E-Learning system (MOODLE)

PUBLICATIONS Topics

1. Design and Implantation of Antivirus system, my M.Sc Thesis.
2. Development of a File Infector Virus under the Concept of Information Warfare, my PhD Thesis.
3. Steganography Using Application Programs.
4. Steganography Using Error Correction Methods.
5. Suggested Solution of Computer Boot Sector Viruses.

6. Vaccinate Win32 Executable File Against Computer Viruses.
7. Win32 Executable Virus Under the concept of Information Warfare.
8. Supporting Macro Antivirus Programs By Designing Undetectable Virus.
9. Win32 Portable Executable Heuristic Anti Virus, M.Sc Thesis and paper.
10. Text Hiding in Mobile Phone Simple Message Service Using Fonts.
11. Security against Spoofing Attack in Mobile Ad Hoc Networks. (M.SC. Proposal)
12. Proposed Detection System of Internet Script Worm. (M.SC. Proposal)
13. Suggested Method for Detection some Malwares in Smartphone. (M.SC. Proposal)
14. Design and implementation of an Agent for Monitoring and Evaluating Computer Networks. (M.SC. Proposal)
15. Packet Classification for Enhancing Snort IDS. (M.SC. Thesis)
16. Taxonomy of Packet Classification Algorithms
17. Prevention of MAC Spoofing Attacks in the Infrastructure Wireless Networks using OPNET Programming. (M.SC. Thesis).
18. Social Networks and DNA Sequences. (PhD Dissertation).
19. Improving Recommendation Systems by Modeling the Stability of Implicit Behavior.
20. Recommendation System Based on Association Rules Applied to Consistent Behavior Over Time
21. Optimal Matching Scores for Sequence Alignment in Community Detection.
22. Word Documents Steganography using Fonts, (PhD Dissertation).
23. Text Steganography Based On Unicode of Characters in Multilingual.
24. Data Hiding Method in Ignored Processing Area of Microsoft Compound Document File Format
25. Fingerprint Security for Network Data Exchange, (M.SC. Thesis).
26. Secure Exchange of Generated Key by Fingerprint Ridges Depend on Cubic Bezier Curve.
27. Mersenne Prime Number Generating using Cubic Spline to be used RSA Algorithm
28. DDOS Network Security with Data Mining, (PhD Dissertation)
29. A proactive DDoS attack detection approach using data mining cluster analysis
30. Review Clustering Mechanisms of Distributed Denial Of Service Attacks
31. Real Time Numbers Recognition in Smart Phone Environment (M.SC. Thesis)
32. Internet Anomaly Detection using Stream Data Mining (PhD Proposal)
33. Web Pages Dynamic Steganography (Ms.C. Thesis).
34. Malware detection with Frequent Pattern Mining (PhD Proposal).
35. Detecting and Analyzing Improper User Behaviors in Social Networks (M.Sc. Proposal).
36. Security Against Attack of Software Defined Network (SDN) System (M.Sc. Proposal).