CURRICULUM VITAE

Dr. Waleed Khalid Hussein

Lecturer (Ph.D.) | Computer Networks & Cybersecurity

Last updated: November 2026

1. CONTACT DATA

Name	Dr. Waleed Khalid Hussein
Name in publications	Waleed Kh. Alzubaidi · Waleed Khalid Al-Zubaidi · Waleed Kh. Hussein
Academic title	Lecturer (Ph.D.)
Affiliation	Department of Intelligent Medical Systems, College of Biomedical Informatics, University of Information Technology and Communications (UoITC), Baghdad, Iraq
Mobile	+964 790 134 3639
E-mail	dr.waleed.khalid@uoitc.edu.iq (official) · waleed8010@gmail.com

Academic Profile	Link
ORCID	https://orcid.org/0009-0006-2259-2176
Google Scholar	https://scholar.google.com/citations?user=ECPH1rkAAAAJ
Scopus Author ID	56440069600 — scopus.com/authid/detail.uri?authorId=56440069600
ResearchGate	https://www.researchgate.net/profile/Waleed-Alzubaidi-2

2. PERSONAL DATA

Nationality	Iraqi	**Date of Birth**	21/10/1980
Gender	Male	**Marital Status**	Married
Children	Three	**Iraqi Passport No.**	B00051579
Languages	Arabic (native), English (fluent)		

3. ACADEMIC QUALIFICATIONS

Degree	Institution	Years
Ph.D. in Computer Science	Informatics Institute for Postgraduate Studies, Iraqi Commission for Computers and Informatics, Baghdad	2016 – 2019
M.Sc. in Computer Networks and Communication	Informatics Institute for Postgraduate Studies, Iraqi Commission for Computers and Informatics, Baghdad	2002 – 2005
B.Sc. in Computer Science	Baghdad University College, Baghdad	1998 – 2002
Secondary Education	The Perfect High School (Intermediate + Secondary)	1993 – 1998

4. ACADEMIC & TECHNICAL EXPERIENCE

4.1 Positions

To	From	Position
Present	2025	Head, Quality Assurance and University Performance Division — College of Biomedical Informatics, UoITC
Present	2024	Lecturer (permanent faculty), Department of Intelligent Medical Systems — College of Biomedical Informatics, UoITC
2024	2022	Lecturer — Al-Yarmouk University College
2006	2005	Networks Department Manager — Babtel Telecommunications Co.
2005	2004	Manager — Al-Fursan Bureau (Internet Service Provider)
2005	2002	Lecturer — Baghdad College of Economic Sciences University
2003	2002	Manager — Al-Noor Academic Institute for Computer Sciences & Internet

Current administrative responsibilities (Quality Assurance Division):

- Runs the college's annual faculty performance-evaluation cycle using the Ministry of Higher Education and Scientific Research (MoHESR) evaluation forms.
- Manages the college's institutional performance data submissions, including data for the Iraqi University Classification.
- Leads preparation for programmatic accreditation and Bologna-process quality requirements.

4.2 Professional Skills

4.2.1 Fundamentals

General Specialization	Computer Science
Specific Specialization	Cybersecurity and Network Security
Research Interests	Network and cloud security; intrusion detection and attack mitigation; IoT security and lightweight authentication; wireless sensor networks and secure routing; vehicular ad hoc networks (VANETs); machine and deep learning for cybersecurity and healthcare; e-health data transmission.

4.2.2 Courses Taught

No.	Course Name	Years
1	Wireless Body Networks	2024 – 2025
2	Computer Networks (ITC310180) — Module Leader, B.Sc. in Intelligent Medical Systems	2025 – 2026

4.2.3 Academic Skills — Publications

Journal articles, 2025 – 2026

[1] **Hybrid Neural Networks and Machine Learning for Detection of Diabetic Retinopathy.** *Journal of Intelligent Systems and Internet of Things*, vol. 18, no. 2, pp. 169–186, 2026. DOI: 10.54216/JISIoT.180213

[2] **Intrusion Detection and Attack Mitigation for Cloud Blade Servers via Optimized GRU Classification and Kerberos Cryptography.** *Fusion: Practice and Applications*, vol. 21, no. 2, pp. 104–118, 2026. DOI: 10.54216/FPA.210207

[3] **Optimizing VANET Clustering Algorithms for 3D Urban Environments: Impact of Traffic Congestion and Driver Behavior on Network Performance.** *Journal of Cybersecurity and Information Management*, vol. 17, no. 2, pp. 82–96, 2026. DOI: 10.54216/JCIM.170207

[4] **Blade Server Attack Detection and Mitigation Framework in Cloud Computing Using SSGRU and GGSSO.** *Journal of Intelligent Systems and Internet of Things*, vol. 18, no. 1, pp. 48–63, 2026. DOI: 10.54216/JISIoT.180104

[5] **Resilient IoT Authentication Against Physical Tampering and Side Channel Attacks.** *Engineering, Technology & Applied Science Research*, vol. 15, no. 6, pp. 28787–28795, Dec. 2025. DOI: 10.48084/etasr.13464

[6] **IDO-DKNN: Network Attack Detection and Mitigation via Optimized Deep Kronecker Neural Network.** *International Journal of Applied Mathematics*, vol. 38, no. 4s, pp. 322–345, Sep. 2025. DOI: 10.12732/ijam.v38i4s.238

[7] **Real-Time ECG Compression with Adaptive Huffman Coding: Improving Data Transmission in E-Healthcare.** *Journal of Information Systems Engineering and Management*, vol. 10, no. 33s, pp. 1005–1018, Apr. 2025. DOI: 10.52783/jisem.v10i33s.5746

Earlier publications, 2012 – 2019

[8] **Efficient Cluster Head Selection and Optimized Routing in Wireless Sensor Network (WSN).** *Journal of Theoretical and Applied Information Technology*, vol. 97, no. 4, 2019.

[9] **Secure Routing Scheme for Clustered Wireless Sensor Network (WSN).** 2019.

[10] **Authentication Based Secure Routing for Clustered Wireless Sensor Network (WSN).** *Interciencia*, vol. 43, no. 3, 2018.

[11] **Methods of Secure Routing Protocol in Wireless Sensor Networks.** *Journal of Al-Qadisiyah for Computer Science and Mathematics*, vol. 10, no. 3, 2018.

[12] **Enhance the Performance of ICMP Protocol by Reduction the IP over Ethernet Naming Architecture.** *2014 International Conference on Computer and Information Sciences (ICCOINS)*, IEEE, pp. 1–6, Jun. 2014.

[13] **Visibility for Network Security Enhancement in Internet Protocol over Ethernet Networks.** *2014 International Conference on Computer and Communication Engineering (ICOCOE 2014)*, Springer, May 2014.

[14] **A Framework for Optimizing IP over Ethernet Naming Systems.** *International Journal of Computer Science Issues (IJCSI)*, vol. 9, 2012.

[15] **Enhance the Security and Performance of IP over Ethernet Networks by Reduction in the Naming System Design.** *International Journal of Computer Networks (IJCN)*, vol. 4, no. 5, 2012.

[16] **A New Verification Method to Prevent Security Threads of Unsolicited Message in IP over Ethernet Networks.** *International Journal*, vol. 4, 2012.

4.2.4 Peer Review

Reviewer for the following journals:

- *Journal of Circuits, Systems and Computers* (World Scientific)
- *ACM Transactions on Sensor Networks*
- *Iraqi Journal for Computers and Informatics* (IJCI)

4.2.5 Professional Certifications

Certification	Year
Certified IPv6 Network Engineer (CNE6) — National Advanced IPv6 Centre (NAv6), Malaysia	2010
Cisco Certified Network Associate (CCNA 640-801)	2006

Certification	Year
Microsoft Certified Systems Administrator (MCSA) — Windows Server 2003	2003

4.2.6 Technical Skills

- Network design, implementation, analysis and troubleshooting; network security.
- Wireless LAN (IEEE 802.11 a/b/g, 2.4 GHz and 5 GHz bands) and WiMAX (IEEE 802.16); IPv6 networking.
- Windows Server installation, configuration and troubleshooting; hardware installation and maintenance.
- Microsoft Office and Microsoft Visio.

5. REFERENCES

- **Prof. Dr. Shaimaa H. Shaker** — Department of Computer Science, University of Technology, Baghdad
- **Prof. Dr. Hilal M. Yousif** — Al-Rafidain University College, Baghdad
- **Prof. Dr. Rashid A. Alzubaidy** — Department of Computer Science, Baghdad College of Economic Sciences University