



Dr. Eng. Jouma Ali Al-Mohamad

Summary:

A PhD with 27 years of work and teaching experience. I have many specialized courses from different countries, in addition to teaching several courses in my specialty. My goal is to constantly develop myself and become familiar with all modern technologies, so that I can update my courses in a way that suits reality to benefit all students from a scientific and practical standpoint.

Personal Information:

Nationality: Syrian | **Address:** Aleppo, Syria | **Marital Status:** Married | **Birth Date:** 30/1/1970

Driving License: Acquired since 2005 | **Phone:** +963 966 806 030

Email (1): jalmohamad@gmail.com | **Email (2):** jalmohamad@su.edu.sy

Researchgate: / Jouma-Almohamad | **LinkedIn:** /Jouma-Ali-AlMohamad

Google Scholar: / Jouma Ali Almohamad | **Academia.edu:** /Jouma AlMohamad

Education:

- PhD in Communication Engineering, Networking and Information Security (Enhancing Information Security in public Data Network Using Developed Firewalls) from Faculty of Electrical and Electronic Engineering, Aleppo University | 2022 - 2023
- Master in Communication Engineering (A Comparison of Modern Cryptographic Algorithms) from Faculty of Electrical and Electronic Engineering, Aleppo University | 2001 - 2002
- Post Graduate Diploma in Communication Engineering from Faculty of Electrical and Electronic Engineering, Aleppo University | 1996 – 1997
- BSc in Electronic Engineering from Faculty of Electrical and Electronic Engineering. Aleppo University | 1995 – 1996

Professional Skills:

- Ability to work well both individually or in a team setting.
- Ability to work under pressure and time constraints.
- Teaching both individuals and groups.
- Ability to oral and written communicate.

Languages:

- **Arabic:** Mother tongue
- **English:** B2

Teaching Experience:

University	Duration	Courses
Al-Shahba Private University, Faculty of Information Engineering	Faculty Member: 2024 – present	<ul style="list-style-type: none"> Information systems security Computer networks
Ittihad Private university (IPU), Faculty of Informatics Engineering	Faculty member: 2021- 2023 Teaching assistant: 2013-2021	<ul style="list-style-type: none"> Foundations of information technology - first year. Specialized Language (1) - second year. Specialized Language (2) - second year. Computer Networks (1) - third year. Computer Networks (2) - Fourth year. Telephone exchanges - fourth year. Computer Communications (2) - Fourth year. Integrated Services Digital Network (ISDN) - fourth year. Information security - fifth year. Mobile communications - fifth year.
Aleppo University- Faculty of Electrical and Electronic Engineering - Department of Communications Engineering	Teaching assistant: 2017-2021 Teaching assistant: 1998-2003	<ul style="list-style-type: none"> Telephone exchanges Network graduation projects Graduation projects in network security Communication Engineering Computer networks

Published Research:

- **User Authentication Based on a Combination of Face Image and Device** :Journal of Multimedia Research, Vol. 8, No. 3 (July 2025). Publisher: Resbee Publisher, India.
- **Enhancing Data Security and Reliability in Smart Cities: A Framework Integrating MEC, AI, and Blockchain** :North American Academic Research, Vol. 8, No. 6, pp. 150–155, June 2025. Publisher: TWASP Press, USA.
- **Security Threats in Unmanned Aerial Vehicles Based Internet of Things International** :Journal of Applied and Scientific Research (IJASR), Vol. 3, No. 3, pp. 169–176, March 2025. Jouma Ali Almohamad
- **Enhancing the Security Levels in Information Systems**: Innovation and Technology Studies Journal, Vol. 2, No. 1, January 2025. Publisher: UPUBSCIENCE Publisher Limited, ISSN: 3007-6927.
- **Anomaly Detection Techniques for Securing Future Cyber-Physical Systems**. Multidisciplinary Journal of Engineering Sciences, Volume 24–29, December 2024. Publisher: GOLDFIELD PUBLISHING.
- **Performance Evaluation of Firewall Technologies**. Canadian Journal of Discovery, Vol. 5, No. 12, August 2024, pp. 1–22. Publisher: CanDis (Canadian Journal of Discovery), Canada.

- **Performance Evaluation of Firewall Technologies** .World Journal of Information Technology, Vol. 2, No. 3(2024): WJIT. Publisher: UPUBSCIENCE Publisher Limited, **ISSN: 2959-9911**.
- **Enhancing Network Availability using Firewall clustering**. Resbee publication, India, (Journal of Networking and Communication Systems – volume 7, Issue 2, April 2024.
- **Enhancing Network Security using Next-Generation Firewalls**. Netherlands, Publisher Elsevier (computer Networks), volume No.224-2023.
- **Enhancing Security Level in Next-Generation Firewalls to Block Unwanted Content within Social Networking**. Netherlands, Publisher Elsevier (computer Networks), volume No.225-2023.
- **New Approach to Study the Possibilities of VPN Blocking in ISPs**. Resbee publication India, Journal of Networking and Communication Systems in volume 6, Issue 3, 2023.
- **Suggested Method of VPNs Blocking**. Netherlands, Publisher Elsevier (computer Networks), volume No.230-2023
- **Build Encrypted interconnection Networks by Application of IP Security and MAC Authentication Methods**. Gaza, Palestine, Journal of Engineering Sciences and Information Technology, volume No.3, Issue 5, 2021
- **A New Challenge in Public Key Cryptographic Algorithms** Syria, Research Journal of Aleppo University - Engineering Science Series, volume No.32-2002.

Work Experience:

- **Network Manager | 2016 – present | Syrian telecom | Aleppo, Syria.**
- **Manager of PDN (Public Data Network) | 2008 – 2016 | Syrian Telecommunications Company |Aleppo, Syria.**
- **A Head of Internet and Data Transmission Group | 1998 - 2008 | Syrian Telecommunications Company | Aleppo, Syria**

Courses/ Certificates/ Workshops/ Conferences:

- **Lecturer at the first conference on electronic pay, February 2024, Sheraton, Aleppo, Syria**
- **Lecturer at the first conference on digital transformation in Nov 2022, Sheraton Aleppo, Syria**
- **From Huawei Co, Shenzhen, China in 2019:**
 - Advanced IP Routing & Security Training course.
- **From Damascus, Syria in 2018:**
 - Certificate of completion an IPTV from Syrian telecom.
- **From Huawei Co, Damascus, Syria in 2017:**
 - Certificate of completion a Fiber to the Building (FTTB) course.
- **From Syrian Scientific Society for Informatics in 2016:**
 - International Computer Driving License (ICDL) course.
- **From Huawei Co, Shenzhen, China in 2012:**
 - Certificate of completion: a NE5000E80E40E Products Training Course, Routing Protocol Features Training Course, a MPLS and VPN Features Training Course, a MSCG Public Training Course, ME60 Product Hardwar Training Course, ME60 PPP &IP &leased Line Service Training Course.
 - a ME60 Multicast &QOS Features Training Course.

- **From ITU-T, Geneva, Switzerland in 2010:**
 - Certificate of attendance the first meeting of the IP version 6 group.
- **From Master IT Center, Amman, Jordan in 2009:**
 - Certificate of completion: a Fundamentals of Solaris 8 training Course, Solaris 8 TCP/IP Network Security Training Course, Solaris 8 System administration Training Course.
- **From IT Gate, Cairo, Egypt in 2009:**
 - Certificate of completion a Securing Network with Cisco Routers and Switches Training Course.
 - Certificate of completion an Implementing Cisco ISO Network Security Training Course.
- **From RIPE Network Coordination Center, Damascus, Syria in 2004:**
 - Certificate of participation in Routing Registry training Course.
- **From New Horizon Institute, Damascus, Syria in 2004:**
 - Certificate of completion: an Introduction to Cisco Networking Technologies Training Course.
 - a Cisco Internetwork Troubleshooting Training Course, a Building Cisco Remote Access Network Training Course, a Building Cisco Multilayer Switched Networks Training Course.
 - a Building Scalable Cisco Internetworks Training Course.
- **From Research and Studies for Communication Center, Tunisia, Tunisia in 2003:**
 - Certificate of attendance a Workshop about an Internet Application.
- **From Arabic Computer Center, Damascus, Syria in 2001:**
 - Certificate of attendance a course of instruction in Solaris 2.x System Administrator and TCP/IP Networking.
- **From Cisco Academic Center, Dubai, UAE in 2000:** Certificate of completion a Tailored Cisco Training Course