**MOHAMMED ALCHAITA**

**+963-947252803, malchaita@yahoo.com**

2026

# Mohammed Alchaita Cover Letter

# MOHAMMED ALCHAITA

**+963-947252803, malchaita@yahoo.com**

Dear Sir/Madam:

I am Holding a BEng (Damascus Uni.), MSc. (Sichuan Uni., China) and PhD (De Montfort University, UK).

As my resume indicates, I possess more than 20 years of progressive experience in the engineering, research and academic field. My professional history includes positions such as the head of IT department as well as teaching in the same field at De Montfort University (Leicester, UK) and other institutes.

My experiences are in computer sciences, Information and Networks Security, Big Data, Data Center, Networking, data analysis, System analysis and management, Strategic Planning, Leadership, Distance Learning, Team Leadership, Project Planning and Management, Teaching, Lecturing, Research and development.

My responsibilities are a researcher and a tutor at De Montfort University (Leicester, UK), Higher Institute of Applied Sciences and Technology (Damascus, Syria), Syrian Virtual University, Rashid Private University and other institutes. My responsibilities include conducting and supervising research projects as a team leader, as well as supervising many different undergraduate and postgraduate student projects (MSc and PhD). I assisted in the successful completion of many projects in the field of Computer Science. My recommendation letters and referees also certify on my ability to skills such as composition and excellent communications skills.

I was and still appointed as a Reviewer, Technical, and program Committee Board member for many International journals and conferences.

I also bring to the table strong Computer Science and IT proficiencies, with a special knowledge in wireless communications and computer networking, academic experience and practical experienced in projects analysis from conception to implementation. I am also an articulate and diplomatic communicator plus an effective team player with strong potential capabilities. Please see the accompanying resume for details of my experiences and educations.

Sincerely,
Mohammed Alchaita

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# Mohammed Alchaita Curriculum Vitae

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Prof. Dr. Eng. Mohammed Alchaita

*BSc, Engr, MSc, PhD, Professor*

## Personal Information

Name: Mohammed H. Alchaita
Address: Damascus, Syria
Telephone: Home: (+963) (11) 276 34 71
Mobile: (+963) (0) 947 2528 03
E-mail: malchaita@yahoo.com



## Education and Qualifications

2003 – 2006 **Ph.D. in Computer Science (Full-time)**
*Major*: Wireless Communications and Computer Networks
De Montfort University, Leicester, UK, *http://www.dmu.ac.uk*

1994 – 1997 **M.Sc. in Computer Science (Full-time)**
Sichuan University, Chengdu, China, *http://www.scu.edu.cn*

1990 – 1992 **Diploma in Computer Science**
Higher Institute for Applied Sciences and Technology (HIAST), Damascus, Syria, *http://www.hiast.edu.sy*

1985 - 1989 **B.Sc. in Electronic Engineering**
Damascus University, Faculty of Mechanical and Electrical Engineering, Damascus, Syria

## Managerial Position

2023 – 2024 **Professor**
HIAST, Damascus, Syria
SVU, Damascus, Syria

2014 – 2024 **Associate Professor**
HIAST, Damascus, Syria
SVU, Damascus, Syria

2015 – 2024 **Assistant to the Director of R&D**
HIAST, Damascus, Syria
SVU, Damascus, Syria

2007 – 2014 **Assistant Professor**
HIAST, Damascus, Syria
SVU, Damascus, Syria

2007 - 2008 **Part Time Director of IT Department**
Ministry of Expatriates, Damascus, Syria

2008 - 2014 **Head of Automation and Commanding Department**
HIAST, Damascus, Syria

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## Teaching and Taught Courses

- Data Communications and Networking Courses
- Network Management, Network Application Programming, Network Services
- Data structure and Algorithms, Computer Networks,
- Database, Advanced Database, Information Search Systems
- Operating System, Distributed Operating Systems
- Computer Skills, Communication Skills, Introduction to Computer.
- Programming Languages, Formal Languages
- Functional and Logical languages, Programming 1, Programming 2
- Software Engineering, Signal Transmission Media, Signal Analysis
- Information and Networks Security, Wide area Networks,
- Internet Service Providers, Software Quality, Security Incident Response
- Servers Design, Security in Modern Systems, Introduction to Programming

## Attended Workshops, and Training Courses

2002 **Computer Networks Training Course**
JICA, Okinawa, Japan.

2006 **European Computer Driving License (ECDL)** – with certificates
De Montfort University, Leicester, UK, *http://www.dmu.ac.uk*

2003 - 2006 **Research Training Program – with certificates**
De Montfort University, UK:

## Professional Technical Committees and Reviewer

Reviewer and Technical and program Committee Board member for Hundreds International journals and conferences.

## Professional Experience

- **Projects Development and Management in Computer Sciences & IT**
- **Supervising Undergraduate, and Postgraduate (M.Sc. and Ph.D.) students**
- **Projects Development, Management and Leading in the field:** Computer Sciences & IT, Informatics**,** Networking, Security, E-Learning, Cyber warfare,
- **Member of The Committee For The Preparation Of The National Cyber Security Strategy In Syria,** Ministry of Comm. & Tech., Syria

## Languages

- **Arabic** / Mother tongue **English** / Very good, **French** / Fair

## Interests and Activities

Gardening, Reading, Teaching, Meeting people, and Tackling problems.

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# Mohammed Alchaita
# Some Publications

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- M. Al-Masri, **Mohammed Alchaita**, Mohammed Assora,"Securing Data Using IoT Steganography Techniques", Albaath University Journal, Volume 43, 2021
- Shadi Hadla, Ghassan Saba, **Mohammed Alchaita**, " A Survey of Software Defined Networking ", Arab Journal for Scientific Publishing,18 issue, 2/4/2020
- Shadi Hadla, Ghassan Saba, **Mohammed Alchaita**, " Interconnection Between SDN Adhoc Controllers ", Arab Journal for Scientific Publishing,18 issue, 2/4/2020
- M. Shaaban, **Mohammed Alchaita**, K. Khourzom,"An Algorithm development for Security Enhancement in Software-Defined Networks", Journal of Al Baath University, Syria, Homs, Vol. 41, 2019, www.albaath-univ.edu.sy.
- **Mohammed Alchaita**," Routing and Mobility Strategies for Mobile Ad Hoc Networks", **Book**, LAP LAMBERT Academic Publishing, https://www.lap-publishing.com/,ISBN (978-613-9-45089-3), http://www.morebooks.shop/bookprice_offer_33b6e94dd270944e48dc171370e5a5935ceec495?locale=gb&currency=EUR, **2/18/2019**.
- Hazem Sallowm, Mohammed Assora and **Mohammed Alchaita**, "*Improving IDS Efficiency Against Distributed Denial of Service Attack by Using Hybrid Honeypots*", Journal of Information and Communication Technology (JICT), JICT Volume 18 No.3 **(July) 2018**, jict@uum.edu.my
- Mahmoud Ali, **Mohammed Alchaita**, "*ENHANCING DBPEDIA QUALITY USING MARKOV LOGIC NETWORKS*", Journal of Theoretical and Applied Information Technology (JATIT), Vol. 96, No. 12, **June 2018**.
- Feras Masoud, **Mohammad Alchaita**, and Mohammad Assora, "*Security objectives based key management algorithm for device-to-device applications*", International Journal of Development Research, **August, 2017**, Vol. 7, Issue (08), 14260-14274.
- Abdulrahim Saleh Kodymate, **Mohammad Alchaita**, "*Communications Technology-Based Traffic Organization and Management in Syria: Challenges and Problem –A Compared Field Study*", International Journal of Engineering and Management Invention (IJEMI), Volume 02//Issue 02// June **2017**, Available Online at – www.ijemi.in
- Firas Masoud, **Mohammad Alchaita**, Mohammad Assora, "*Secure Device to Device Communications for Next-Generation Networks Using Software-Defined Network*", Electrical and Computer Engineering. Vol. 1, No. 2, **2017**, pp. 40-49. doi: 10.11648/j.ece.20170102.11
- Hazem Sallowm, Mohammed Assora, **Mohammed Alchaita**, Mohamad Aljnidi, "*A Hybrid Honeypot Scheme for Distributed Denial of Service Attack*", Electrical and Computer Engineering., Vol. 1, No. 1, **2017**, pp. 33-39. doi: 10.11648/j.ece.20170101.15
- Yasser almofaalani, **Mohammed alchaita**, Mohamad Aljnidi, Mustapha Dakkak, Essam ghaiad, "*Adding attributes to Roles in Role Based Access control model*", IEEE International Conference on SENSORS, NETWORKS, SMART and EMERGING TECHNOLOGIES (SENSET2017), 12-14 September **2017**, Beirut -

# MOHAMMED ALCHAITA

**+963-947252803, malchaita@yahoo.com**

Lebanon

- Mohamad Nakcha, Einas Alhaji, **Mohamad Alchaita**, "*Dynamic Parameters Target Recognition for Port Protection System*", The 10th AIMS Conference on Dynamical Systems, Differential Equations and Applications, July 07 - July 11, **2014**, Madrid, Spain, P.524
- Mohamad Nakcha, Einas Alhaji, **Mohamd Alcahaita**, "*Iterative Target Recognition for Port Protection System*", the 2nd International Conference and Exhibition on UNDERWATER ACOUSTICS, the Greek island of Rhodes, 22 - 27 June **2014**
- **M. Alchaita** and O. Alani, "*Anonymous Addressing Servers: a Solution of Failures in Wireless Mobile Location Service*", International Journal of Ad Hoc and Ubiquitous Computing **2010** - Vol. 5, No.1 pp. 37 - 43.
- **M. Alchaita,** K. Nasri, M. Nakcha, "*Adaptive Server Availability Protocol for Multihop Wireless Networks*", Journal of E-Technology, Volume: 1 , Issue: 1 (February **2010**)
- Mohammed Nakcha, **Mohammed Alchaita**, Khaled Nasri ," *Using Ad hoc Sensor Networks and Sonar for Emergency Cases for Mediterranean Sea* ", ECUA 2010 – European Conference on Underwater Acoustics, Turkey, Istanbul, 5-9 July **2010**.
- **Mohammed Alchaita**, Mohammed Nakcha, "*Virtual Mobile Learning by Using Wireless Mobile Ad Hoc Network*", Second International Workshop (Towards Better Information Society and ITEX-Syria **2010** Exhibition, Informatics Innovation Award), Faculty of Informatics Engineering, Baath University, Homs, Syria.
- Mohammed Nakcha, **Mohammed Alchaita**, "*Factors of success E-Learning In Syria*", Second International Workshop (Towards Better Information Society and ITEX-Syria 2010 Exhibition, Informatics Innovation Award), Faculty of Informatics Engineering, Baath University, Homs, Syria, **2010**.
- **M. Alchaita,** K. Nasri, "*Service Availability Routing Mechanism for Mobile Ad Hoc Networks*", Second International Conference on the Application of Digital Information and Web Technologies(ICADIWT 2009), London, **2009**
- M. Al-Akaidi, **M. Alchaita**, J. Ivins, *"On Link Longevity and Mobility in Self-Dependent Multi–Hop Mobile Environment"*, IET Communication Journal, 1, (2), pp. 173 -178, April **2007**.
- M. Al-Akaidi, **M. Alchaita**, *"Mobility-Aware Routing Algorithm for Multi-Hop Ad-Hoc Wireless Networks"*, 1861-5252/c TSSD Journal**,** Transactions on Systems, Signals & Devices, Vol. 2, No. 3, pp. 329, **2007**
- **M. Alchaita**, *"Link Longevity and Mobility in Self-Dependent Multi-Hop Mobile Environments"*, *International Journal of Mobile Communications*, Vol. 6, No. 4, **2008**, pp. 519 – 539
- **M. Alchaita**, M. Al-Akaidi and J. Ivins, *"Mobility-Based Routing For Mobile Ad Hoc Networks"*, The International Middle Eastern Multiconference on Simulation and Modelling (MESM'2006), August 28-30 **2006**, Mercure Romance Hotel, Alexandria, Egypt
- **M. Alchaita**, M. Al-Akaidi, *"Exploiting Mobility For Longivity of Routes in AD-HOC Wireless Networks"*, PREP 2005, University of Lancaster, **2005**.
- M Al-Akaidi and **M Alchaita***,"Mobility-Aware Routing Algorithm For Multi- Hop Ad-Hoc Wireless Networks"*, SSD'05, the Third IEEE International Conference on Systems, Signals & Devices, Sousse, Tunisia, **2005**

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- **M. Alchaita**, M. Al-Akaidi, J. Ivins, *"New On-demand Routing Approaches for Ad Hoc Networks"*, PGNet 2005, sixth annual postgraduate symposium, the convergence of telecommunications, networking and broadcasting, 27th-28th June **2005**, Liverpool, UK
- **M. Alchaita**, M. Al-Akaidi, M. Aziz, *"Application Of A New Routing Protocol In Telecare System"*, PGBIOMED05, IEEE EMBSS UKRI Postgraduate Conference on Biomedical Engineering and Medical Physics, 18-20 July **2005**, University of Reading, UK.
- **M. Alchaita**, M. Al-Akaidi, J. Ivins, *"Service-Aware Routing Protocols (SARP): Exploiting mobility with loose delay constraints in ad hoc networks",* MESM'2005, The 7th International Middle Eastern Multiconference on Simulation and Modelling, The University of Porto, Portugal, 24-26 October **2005**

- M. Al-Akaidi, **M. Alchaita**, J. Ivins, *"Heading Routing Protocols: Mobility-Based Routing For Ad-Hoc Networks"*, 3G 2005, Sixth International Conference on 3G and Beyond - 3G **2005**, 07-09 November 2005, The IEE, Savoy Place, London, UK.
- M Al-Akaidi and **M Alchaita**, *"A New Approach to On-demand Routing Protocols in Mobile Ad hoc Networks"*, London Communications Symposium (LCS 2004), University College London, London, UK, **2004**
- M Al-Akaidi and **M Alchaita**, *"New Heading Directional Angle Routing Protocols For Mobile Ad Hoc Networks",* IEE, Fifth International Conference on 3G Mobile Communication Technologies, 18 – 20 October, London, Uk. **2004**

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# Mohammed Alchaita Referees

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## Referees

| Referee Name | Address | Email | Phone # |
|---|---|---|---|
| Dr. Omar Alani | School of Computing, Science & Engineering,<br>University of Salford<br>Manchester, M5 4WT. UK | o.y.k.alani@salford.ac.uk | +44(0)161 295 3712 |
| Dr. Sulayman K. Sowe | Producer. ECPD, Data Analytics Section,<br>Data Insight Group.<br>Rakuten Inc., 1-14-1 Tamagawa,<br>Tokyo, 158-0094.<br>Japan | sksowe@gmail.com | +81-50-5581-4026 |
| Dr. Ashraf Saleem | leads the Robotics and Remote Sensing Lab (RRSL) at Michigan Technological University (MTU) | ashraf@mtu.edu<br><br>EERC 412;<br>ashraf_saleem@yahoo.com | +968 91198985<br>+968 2414 1373<br>• (906) 487-2384 |
| Dr. nabil Subih | Damascus University | | +963-0955849494 |