

CURRICULUM VITAE

1- Personal

Name : Dr. Mothanna Ali ALKUBEILY
Date & Place of Birth : 5 October 1977 in Alhuweiz-Jableh - SYRIA
Nationality : Syrian
Languages : Arabic (Mother tongue),
French (Very Good),
English (Good skills, both written and oral)
E-mail : [□ mothanna.alkubeily@gmail.com](mailto:mothanna.alkubeily@gmail.com)
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2-Education and Diplomas

- 1- **Ph.D Degree:** in “Application-Level Multicast Protocols: Robustness & Security”, [Technology University at Compiegne (UTC)– France – 2006-2009].
- 2- **MASTER** in Information and System Technologies, Mention: good [Technology University at Compiegne (UTC) , France 2004-2006] .
- 3- **DEA** in Communication-Electronic Engineering (91.33%), Mention : Excelent, [Faculty of Mechanical and Electrical Engineering, Latakia (Tishreen) University, Syria 2001].
- 4- **B.Sc.** in Electronic Engineering (72.09%), Mention : Very Good, [Faculty of Faculty of Mechanical and Electrical Engineering, Latakia (Tishreen) University, Syria 2000].
- 5- **Bacalaureat**, scientifique section, Mention : Very Good, Lattakia-Syria, 1995.

3- Scientific Degree + Actual Situation

- 1- **Title:** Professor (since 2021), previously Lecturer (since 2010)
- 2- **Affiliations:**
 - Department of Communications and Electronics Engineering, Faculty of Mechanical and Electrical Engineering, Latakia (Tishreen) University.
 - Department of Informatics Engineering, Manara University.
- 3- **Administrative Position:** Dean of the Faculty of Information Engineering- Latakia University (since September 2022).

4- Experiences

2010 – Present : Doctor/Professor in communication and Electronic Eng. Dep, in Faculty of Mechanical and Electrical Engineering, Latakia University, Syria.
2006-2009: Preparing Ph.D [UTC-FRANCE].
2004-2006: Preparing Research Master-2 [UTC- FRANCE].
2001-2004: Teaching Assistant in Telecommunication Eng. Dep., at Faculty of Mechanical and Electrical Engineering, Latakia University, Syria .

1- Teaching Experiences

Course Name	delivered for
Advanced Networks	Diploma of higher studies (Telecommunication), Latakia University
Intelligent Networks	Diploma of higher studies (Telecommunication), Latakia University
Vision Communications over Internet	Diploma of higher studies (Telecommunication), Latakia University

Modern Communication Techniques	Diploma of higher studies (Tele-informatic), Latakia University
Internet Protocols	Fifth year “Telecommunication Dep” Faculty of Mechanical and Electrical Engineering, Latakia University Fifth year “Informatic Dep” Faculty of Engineering Manara University
Network Design	Fifth year, “Telecommunication Dep” Faculty of Mechanical and Electrical Engineering, Latakia University
Information Security	Fifth year, “Telecommunication Dep” Faculty of Mechanical and Electrical Engineering, Latakia University
Wireless Sensor Networks	Fifth year, “Telecommunication Dep” Faculty of Mechanical and Electrical Engineering, Latakia University
Computer Networks Fundamentals	Forth year “Informatic Dep” Faculty of Engineering Manara University
Reliability, Maintainability and Maintenance Engineering	Fifth year, “Telecommunication Dep” Faculty of Mechanical and Electrical Engineering, Latakia University
Multimedia Systems	Fifth year, “Telecommunication Dep” Faculty of Mechanical and Electrical Engineering, Latakia University Fourth year “Information Technology” Faculty of Engineering of Information & Communication Technology Tartos University
Internet and Computer Networks	Second year of (Mechatronic), Dep, Faculty of Mechanical and Electrical Engineering, Latakia University
Web Services	Third year “Telecommunication Technology” Faculty of Engineering of Information & Communication Technology Tartos University
Network 3	Fourth year “Telecommunication Technology” Faculty of Engineering of Information & Communication Technology Tartos University
Distributed Systems	Fifth year “Information Technology” Faculty of Engineering of Information & Communication Technology, Tartos University
Algorithmic and Problem Solving	First year Credit Hours “Telecommunication Technology” Faculty of Mechanical and Electrical Engineering Latakia University
Mobile Internet	Fifth year “Telecommunication Technology” Faculty of Engineering of Information & Communication Technology, Tartos University
Data Transmission	Third year “Mechatronics Dep” Faculty of Engineering Manara University
Intro to Networks	Second year “Robotic and intelligent systems Dep” Faculty of Engineering Manara University
Industrial Networks	Third year “Robotic and intelligent systems Dep” Faculty of Engineering Manara University

2- These Student

1. **Gazwan Raya**, “*Improving Quality of Service(QoS) Routing in Mobile Ad-Hoc Networks*”, started by Decision of university Conseil N. 1988, 10/3/2015 **finished mention 83/100**. by Decision of university Conseil N. 1702, 8/5/2019.
2. **Thanaa Jbeily**, “*Digital Video and Image Processing over Wireless Multimedia Sensor Networks*”, started by Decision of university Conseil N. 3859, 18/8/2015 **finished mention 93/100**. by Decision of university Conseil N. 1994, 6/6/2018.
3. **Ghaidaa Isber**, “*Improving the design of a virtual software platform for modeling nodes in wireless sensor networks at the CPU level*”, started by Decision of university Conseil N. 1958, 12/3/2019 **finished mention 94/100**. 2022.
4. **Boushra Hassan**, “*Improving Quality of Service in IoT Networks Using Software-Defined Networking*”, started by Decision of university Conseil N. 823, 17/12/2019 **finished mention 93/100**. 2024.
5. **Bassam Hassan**, “*Improving the performance of geo-routing protocols in vehicle networks with the help of drones*”, started by Decision of university Conseil N. 791, 5/1/2021 **finished mention 94/100**. 2023.
6. **Muhammad Abdul hameed**, “*Performance Analysis of ML/DL Algorithms Against DDOS Attacks in SDNs,*”, Co-Supervisor started by Decision of university Conseil N. 3420, 21/6/2022.

3- Master Students

1. **Ali Shahoud**, “*Improvement of Distance Estimation Techniques in Wireless Sensor Networks*”, started by Decision of university Research Conseil N. 433, 30/11/2011. , **finished mention 83/100**. 2017.
2. **Nouama Younes**, “*Routing Fault Tolerance in Wireless Sensor Networks*”, started by Decision of university Conseil N. 430, 30/11/2011, **finished mention 91/100**. 2014.
3. **Thanaa Jbeily**, “*Improving the Performance of Edge Feature-Based Video Processing Algorithm over Wireless Multimedia Sensor Networks*”, started by Decision of university Conseil N. 307, 22/10/2013. **finished mention 95/100**. 2015.
4. **Rasha Shawish**, “*Cheating Avoidance in MDA-ALM Protocol in Application-Level Multicast Networks*”, started by Decision of university Conseil N. 3029, 27/8/2013. **finished mention 94/100**. 2015.
5. **Wael Habib**, “*Improving defence techniques In Secure Implicit Geographic Forwarding “SIGF “ in Wireless Sensor Networks ”*”. started by Decision of university Conseil N. 1722, 18/2/2014. **finished mention 80/100**.
6. **Ghaidaa Isber**, “*Improving Secure Routing in Geographic Routing Protocol For wireless Multimedia Sensor Network*”. started by Decision of university Conseil N. 2207, 18/3/2014. . **finished mention 94/100**. 2018.
7. **Doaa Mahmoud**, “*Reducing energy consumption in multimedia-enabled wireless sensor networks based on compressed sensing in image fusion techniques*”. started by Decision of university Conseil N. 2755, 28/4/2015. . **finished mention 94/100**. 2020.
8. **Lamis Hasan**, “*Improving Energy Consumption in Fault-Tolerant Large-Scale Wireless Sensor Networks DECROP Protocol*”. started by Decision of university Conseil N. 2037, 16/5/2017. . **finished mention 93/100**. 2021.
9. **Sara Inbashi**, “*Improving link reliability of GPSR protocol in VANET networks*”. started by Decision of university Conseil N. 2523, 5/6/2018 . **finished mention 94/100**. 2020.
10. **Margurit Dabaj**, “*Improving the performance of adaptive routing protocol in WBAN networks based on the ant algorithm*”. started by Decision of university Conseil N. 412, 16/10/2018 . **finished mention 94/100**. 2021.

11. Ali Donea, “Improving the quality of routing service in wireless body area networks (WBANs)”. started by Decision of university Conseil N. 1238, 13/3/2019 . **finished mention 87/100**. 2024.
12. Rwan Khalifeh, “Group Communication Security in Multicast Application Networks”. started by Decision of university Conseil N. 1096, 2/2/2021 . **finished mention 91/100**. 2024.

3- Publication , Articles

1.	M. Alkubaily, B. Hasan and Olga V. Zudina, "Enhancing Multipath Routing and QoS in SDNs with AI Algorithms," 2024 6th International Youth Conference on Radio Electronics, Electrical and Power Engineering (REEPE), Moscow, Russian Federation, IEEE Xplore: 09 April ,2024. pp. 1-6, doi: 10.1109/REEPE60449.2024.10479932.
2.	B. Hasan, and M. Alkubaily," Improving the Quality-of-Service parameters in Internet of Things Networks Using OpenFlow protocol", AL-Baath university, vol.45, 2023.
3.	M. Alkubaily, S. A. Sakulin and B. Hasan, "Design an Adaptive Trajectory to Support UAV Assisted VANET Networks," 2023 5th International Youth Conference on Radio Electronics, Electrical and Power Engineering (REEPE), Moscow, Russian Federation, IEEE Xplore: 17 April ,2023. pp. 1-6, doi: 10.1109/REEPE57272.2023.10086859.
4.	M. Alkubaily, S. A. Sakulin, B. Hasan and H. M. Fardoun, "Reducing Delay for Delay-Sensitive Applications in Smart Home Networks Using Openflow Protocol," 2023 5th International Youth Conference on Radio Electronics, Electrical and Power Engineering (REEPE), Moscow, Russian Federation, IEEE Xplore: 17 April ,2023. pp. 1-5, doi: 10.1109/REEPE57272.2023.10086840.
5.	M. Alkubaily, and Boushra Hasan," Bandwidth Control with QoS tools Through the Controller (Ryu) and (openflow) Protocol", Tishreen University Journal -Engineering Sciences Series, Vol. 44 No. 4 , 2022.
6.	M. Alkubaily, and B. Hasan," Improve the mechanism of selecting the next relay node in UAV assisted VANET", Tishreen University Journal -Engineering Sciences Series, Vol. 44 No. 5 , 2022.
7.	M. Alkubaily, and B. Hasan; "Improving the mechanism of selecting the next relay node on GPSR routing protocols in VANET ", Tishreen University Journal for Research and Scientific Studies - Engineering Sciences Series Vol.44, No.1, 2022.
8.	Mothanna Alkubaily, Samer Sulaiman and Ghaida Esber, “Designing a Virtual Platform for Modeling Nodes in Wireless Sensor Networks at the Central Processing Unit Level“, Journal of Engineering Sciences and Information Technology, 5 (5): 1-29,2021.
9.	Mothanna Alkubaily, Samer Sulaiman and Ghaida Esber, “Performance Evaluation of the Kernel Based Wireless Sensor Network Simulator Using an Authentication Algorithm “, In Tishreen University Journal-Engineering Sciences Series, 43 (4): 31-48,2021.
10.	M. Alkubaily and B. Maala; “An overview of the Internet of Things-IoT “, In Al-Manara University Journal, Vol.1, No.1, 2021.
11.	M. Alkubaily and B. Hasan; “Discover the broken paths to improve routing in UAV-assisted VANET “, In Tartous University Journal for Research and Science Studies, Vol.5, No.10, 2021.
12.	M. Alkubaily and R. Shaweesh; “Cheating Detection and Cancellation in (MDA-ALM) Protocol in Application-Level Multicast Networks“, International Journal of Science and Research (IJSR), Vol.10, Issue.4, PP: 948-956, April, 2021.
13.	M. Alkubaily and Margret Dabaj; “Enhancement Of Adaptive Routing Protocol In WBAN Based-On Ant Colony Algorithm “, In Hama University Journal, Vol.4, 2021.
14.	Ghaida Esber, Mothanna Alkubaily, Samer Sulaiman and Ahmad Mehrez “WINDOWS FORM APPLICATION FOR VIRTUAL MINIMIZED PLATFORM KERNEL FOR WIRELESS

	<i>SENSOR NETWORK SIMULATOR “</i> , In Far East Journal of Electronics and Communications, Vol.23, Issue.2, PP: 61-71, July-December 2020.
15.	Mothanna Alkubaily; <i>“A New Scheme to Secure Group Communication in Application-Level Multicast Networks “</i> , In Tishreen University Journal of Science and Engineering, Vol.42, No.5, PP: 401-417, 2020.
16.	Mothanna Alkubaily; <i>“Study the Effectiveness of Patient's Monitoring in Hospitals using Wireless Body Sensor Networks “</i> , In Tishreen University Journal of Science and Engineering, Vol.42, No.3, PP: 25-43, 2020.
17.	Mothanna Alkubaily and Lamis Hassan; <i>“Improvement Energy Consumption in Fault-tolerant Large-Scale Wireless Sensor Networks: DECROP protocol “</i> , In Tishreen University Journal of Science and Engineering, Vol.42, No.3, PP: 251-270, 2020.
18.	Mothanna Alkubaily and Sara Inbashi; <i>“Enhancing Link Reliability for GPSR-MA protocol in VANETs-Highways “</i> , In Tishreen University Journal of Science and Engineering, Vol.42, No.2, PP: 201-215, 2020.
19.	Mothanna Alkubaily; <i>“Design an Intelligent Traffic System Based on Wireless Sensor Networks Case Study: Lattakia City –AL Zeraa Roundabout “</i> , In Tishreen University Journal of Science and Engineering, Vol.41, No.5, PP: 741-757, 2019.
20.	Mothanna Alkubaily, Ghadi Mahmoudy and Doaa Mahmoud; <i>“A New Study the effect of the measurement matrix on the performance of the compressed sensing of embedded images in wireless multimedia sensor networks “</i> , In Tishreen University Journal of Science and Engineering, Vol.41, No.5, PP: 453-471, 2019.
21.	Mothanna Alkubaily, Sadek Ali and Gazwan Raya; <i>“Scenario-Based Performance Evaluation for QoS Routing in MANET “</i> , In Albaath University Journal, Vol.40, 2018.
22.	Ghaida Esber, and Mothanna Alkubaily <i>“Improving Secure Routing in Geographic Routing Protocols for Wireless Multimedia Sensor Network “</i> , In International Journal of Computer Science Trends and Technology (IJCST), Vol.6, No.1, PP: 77-88, Jan-Feb, 2018.
23.	Ghazwan Raya, Mothanna Alkubaily, Sadek Ali, and Boushra Maala <i>“A New Multi-Objective QoS Multicast Routing Protocol Based on Ant Colony Optimization for Mobile Ad Hoc Networks “</i> , In International Journal of Computer Science Trends and Technology (IJCST), Vol.6, No.1, PP: 17-23, Jan-Feb, 2018.
24.	Saleh Massoud, Youssef Sobh Ahmad, Mothanna Alkubaily, and Ahmad S. Ahmad, <i>“Reducing Energy Consumption in WBSNs using Statistic Test to detect Duplicated Data “</i> , In International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), Vol.5, Issue.12, PP: 17608-17615, Dec, 2017.
25.	Thanaa Jbeily, Iyad Hatem, Mothanna Alkubaily, and Yacine Challal <i>“Simple On-Line Single-View Video Summarization for Machine-to-Machine Wireless Multimedia Sensor Network “</i> , In The 1st International Congress for the Advancement of Mechanism, Machine, Robotics and Mechatronics Sciences. (ICAMMRMS-2017), Beirut, Lebanon, October 17 - 19, 2017.
26.	Mothanna Alkubaily, Iyad Hatem, Thanaa Jbeily, and Yacine Challal <i>“Symmetric-Object Oriented Motion Estimation Approach Test over Wireless Multimedia Sensor Networks for Different Motion Modes “</i> , In Tishreen University Journal of Science and Engineering, Vol.39, No.6, 2017.
27.	Mothanna Alkubaily, Sadek Ali, Boushra Maala and Gazwan Raya; <i>“A New Stable and Reliable On-Demand QoS Routing Protocol Based on Ant Colony Optimization for Mobile Ad-hoc Networks “</i> , In Tishreen University Journal of Science and Engineering, Vol.39, No.3, 2017.
28.	Ahmad Sleiman Ahmad, Obadah Hammoud, Mothanna Alkubaily; ; <i>“ Increasing Patients' Privacy While Using Search Engines and Social Media Websites“</i> , International Journal of Science and Research (IJSR), Index Copernicus Value (2015): 78.96 Impact Factor (2015): 6.391, Vol.6, Issue.7, PP: 2041-2045, July, 2017
29.	Mohammad Hamoud, Rita Hassoun, Ahmad Mahmoud, Mothanna Alkubaily, Ahmad

	Sleiman Ahmad; “ <i>Comparison of MANET Routing Protocols Used in Home Health-Monitoring System for Elderly Patients</i> “, International Journal of Science and Research (IJSR), Index Copernicus Value (2015): 78.96 Impact Factor (2015): 6.391, Vol.6, Issue.2, PP: 988-993, February, 2017.
30.	B. Maala, M. Alkubaily; “ <i>A New Fault Tolerance Protocol in Application-Level Multicast Networks</i> “, In Tishreen University Journal of Science and Engineering, Vol.38, No.6, 2016.
31.	T. Jbeily, M. Alkubaily, and I. Hatem “ <i>A New Symmetric-Object Oriented Approach for Motion Estimation in Wireless Multimedia Sensor Networks</i> “, International Journal of Science and Research (IJSR), Index Copernicus Value (2013): 6.14 Impact Factor (2014): 5.611, Vol.4, Issue.11, PP: 1329-1337, November, 2015.
32.	T. Jbeily, M. Alkubaily, and I. Hatem “ <i>An Efficient Adaptation of Edge Feature-Based Video Processing Algorithm for Wireless Multimedia Sensor Networks</i> “, In International Journal of Computer Science Trends and Technology (IJCTST), Impact Factor: 1.71, Vol.3, No.3, PP: 156-166, May-June, 2015.
33.	M. Alkubaily, “ <i>Cheating Impact on Overlay Tree Construction Algorithms in Application-Level Multicast Networks</i> “, In Tishreen University Journal of Science and Engineering, Vol.37, No.3, 2015.
34.	M. Alkubaily, R. Shaweesh; “ <i>Cheating Avoidance in MDA-ALM Protocol in Application-Level Multicast Networks</i> “, In Tishreen University Journal of Science and Engineering, Vol.37, No.2, 2015.
35.	M. Alkubaily, B. Maala; “ <i>Fault Tolerance in Application-Level Multicast Networks</i> “, In Tishreen University Journal of Science and Engineering, Vol.37, No.1, 2015.
36.	M. Alkubaily, I. Hatem, T. Jbeily; ” <i>Study and Evaluation the Performance of Some DCT-Based Image Fusion Techniques in Wireless Multimedia Sensor Networks</i> “, In Tishreen University Journal of Science and Engineering, 2014.
37.	M. Alkubaily, N. Youness; ” <i>Fault Tolerance Routing In Wireless Sensor Network</i> “, In Tishreen University Journal of Science and Engineering, Vol.36, No.1, pp: 185-204, 2014.
38.	B. Maala, M. Alkubaily, G. Raya; “ <i>Improving Packet Delivery Ratio for On-Demand Multicast Routing Protocol (ODMRP)</i> “, In Tishreen University Journal of Science and Engineering, Vol.36, No.1, pp: 169-184, 2014.
39.	M. Alkubaily, H. Bettahar, A. Bouabdallah; “ <i>A New Application-Level Multicast Technique for Stable, Robust and Efficient Overlay Tree Construction</i> “, In Computer Networks (ELSEVIER), 55: 3332-3350, 2011.
40.	H. Bettahar, M. Alkubaily, A. Bouabdallah; “ <i>TKS: A Transition Key management Scheme for Secure Application Level Multicast</i> “, International Journal of Security and Networks (IJSN), Volume 4, number 4: 210-222, October 2009.
41.	M. Alkubaily, H. Bettahar, A. Bouabdallah; “ <i>Impact of Cheating and Non-Cooperation on the Stability and the Performances of Application-Level Multicast Sessions</i> “, in proceedings of The Fourth International Conference on Information Assurance and Security (IAS’08) (Naples, Italy), 8-10 September 2008, pages: 141-146.
42.	H. Bettahar, M. Alkubaily, A. Bouabdallah; “ <i>Efficient Key Management Scheme for Secure Application Level Multicast</i> “, in proceedings of 12th IEEE Symposium on Computers and Communications (IEEE ISCC 2007), (Aveiro, Portugal), 1-4 July 2007, pages: 489-494.

43.	M. Alkubaily, H. Bettahar, A. Bouabdallah; " <i>MDA - ALM: Membership Duration Aware Application-Level Multicast</i> ", in proceedings of First International Global Information Infrastructure Symposium (IEEE GIIS 2007), (Marrakech, Morocco), 2-6 July 2007, pages: 120-127.
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4- Administration and professional Experiences:

- ✓ Dean of the Faculty of Information Engineering- Latakia University since September 2025.
- ✓ Secretary general of Manara University since September 2022- September 2025.
- ✓ Director of the National Center for Distinguished - Excellence and Creativity Agent February 2019-September 2022.
- ✓ Head of the Department of Robotics and Intelligent Systems at Manara University since September 2022.
- ✓ Judge in the National Competition for the World Robot Olympiad WRO, Future Engineers Category 2021-2022, 2022-2023.
- ✓ Judge in the World Robot Olympiad WRO, Future Engineers Category Panama-2023.
- ✓ Member of the Scientific Committee for Robotics - Syrian Science Olympiad - Excellence and Creativity Agent since June 2023.
- ✓ Director of the Syrian Computational Thinking Competition since its establishment 2020-2022.
- ✓ Director of the Syrian Mathematical Modeling Competition since its establishment 2019-2023.
- ✓ Director of the Syrian School Programming Competition SSPT since its establishment 2019-2021.
- ✓ Deputy Director of the National Center for Excellence in Lattakia July 2017-January 2019.
- ✓ Deputy Administrator of the Faculty of Mechanical and Electrical Engineering at Tishreen University September 2015-September 2017.
- ✓ Director of the Automation and Decision Making Division at the Faculty of Mechanical and Electrical Engineering, April 2015-September 2017.
- ✓ Coordinator of the Credit Hours Program in the Department of Communications and Electronics Engineering, Faculty of Mechanical and Electrical Engineering, 2012-2014.
- ✓ Internal Auditor at Tishreen University, 2011-2015.
- ✓ Member of the Quality Council at the Faculty of Mechanical and Electrical Engineering, 2012-2014.
- ✓ Member of the Council of the Department of Communications and Electronics Engineering, 2011-2014, 2016-2022.
- ✓ Member of the Skills and Career Guidance Center, Tishreen University, 2011-2015. • Reviewer at the Sensor-Comm World Conference 2008-2020.
- ✓ Reviewer at the AICCST World Conference 2015-2020.
- ✓ Reviewer at the ICICS World Conference 2015-2020.
- ✓ Reviewer at the IEEE Transactions on Parallel and Distributed Systems since 2015.