

## *Curriculum vitae*

### Personal Information

- Name: Omer Mohammed Khodayer AL-Dulaimi,
- Date of Birth:
- Nationality: Iraqi,
- Residence address: 1077040
- E-mail:
- Mobile No:

### Education:

- Ph.D. student in the Telecommunications Engineering Department, Faculty of Electronics, Telecommunications, and Information Technology, starting in 2019, in the field of cognitive radio networks, **Bucharest, Romania**.
- M.S.C. Engineering, 2018, in Electronics and Telecommunications Engineering, Poznan University of Technology, **Poznan, Poland**. Topic for my thesis "Internet of Things- LPWAN Wireless Comparison".
- B.S.C Engineering, 2015, in the Computer Communication Engineering Department, Al-Rafidain University College, **Baghdad, Iraq**. Topic for my thesis: "4\*4 OFMA-MIMO Technology".

### Languages:

In addition to Arabic, I have a good command of the English language, speaking, reading and writing well. All courses completed in English in Computer Communications Engineering (Bachelor) Iraq, Electronics and Communications (Masters) Poland and Telecommunication Engineering at Polytechnic University of Bucharest (Ph.D) Romania.

*Omer Al-Dulaimi*

## **Training:**

- Networking and Mobile Communication Huawei Certified.
- Cisco Fundamental CCNA and Practical Course.
- Ministry of Science and Technology Internship.
- IELTS Courses and Certified.
- Human Development Certified.

## **Software:**

- Mobile App Development (IOS, Android).
- Networking (Cisco).
- Optical Fiber Communication
- Wireless Security and Cryptology.
- Multimedia Systems.
- Programming for Math lab and C++.

## **Skills:**

- Ability to adapt to new environments quickly.
- Can work independently as well as in a team.

## **Certificated:**

- Ethics of scientific research.
- Safety and occupational health.
- Scientific research and development.
- Cyber security and protection of electronic information.
- Legal protection mechanisms for human rights.

## Publications:

Since the beginning of my study in the doctoral school in 2019, many research papers have been published in the specialty field. Also, relevant areas include international conferences and journals that have a high impact factor. And our publications have over 24 research papers between journals and conferences that I presented all of them which are indexed in [Scopus, ISI, IEEE, WOS, Springer, Clarivate, and Sensor Journal Q1].

- No. of papers published in web of sciences, ISI (10).
- No. of papers published in Scopus, IEEE (10).
- No. of journal paper published in Sensor Q1 (2).
- No. of journal paper published in UPB (2).

- [1]. A. Marțian, Florin L. Chiper, Omer M. Kh. Al-Dulaimi, Mahmood J. A. Al Sammarraie, C. Vlădeanu, and Ion Marghescu, "Comparative Analysis of Software Defined Radio Platforms for Spectrum Sensing Applications," in International Conference on Communications (COMM), Bucharest, Romania, pp. 369-374, June 2020, WOS:000612723900065. [ISI Proceeding]
- [2]. Omer M. Kh. Al-Dulaimi, Mahmood J. A. Al Sammarraie, C. Vlădeanu, A. Marțian, and Dimitrie C. Popescu, "Cooperative Spectrum Sensing for Three Secondary Users with Sequential Relaying for Cognitive Radio," in International Conference on Communications (COMM), Bucharest, Romania, pp. 221-226, June 2020, WOS:000612723900040. [ISI Proceeding]
- [3]. C. Vlădeanu, O. M. K. Al-Dulaimi and A. Marțian, "A Modified Double-Threshold Spectrum Sensing Algorithm Based on Adaptive-Threshold Mean Energy Detection", 2021 International Symposium on Signals, Circuits and Systems (ISSCS), pp. 1-4, 15-16 July Bucharest, Romania, 2021. DOI: 10.1109/ISSCS52333.2021.9497419. [Scopus, IEEE Xplore]
- [4]. Omer. M. K. Al-Dulaimi, C. Vlădeanu, A. Martia, Aymen. Mohammed. K. Al-Dulaimi, and Mohammed K. H. Al-Dulaim, "*Cognitive radio using spectrum sensing by cooperative two secondary users,*" in IOP conference series: Materials science and engineering, 2021, vol. 1094, no. 1, p. 12031, DOI 10.1088/1757-899X/1094/1/012031. [Open Access]

- [5]. Omer M. K. Al-Dulaimi, Florin L. Chiper, C. Vlădeanu, and A. Marțian "Triple-Threshold Energy Detection with Adaptive Intermediate Threshold for Cooperative Spectrum Sensing," 14th International Conference on Communications (COMM), Bucharest, Romania, pp. 1-6 June, 2022, DOI: 10.1109/COMM54429.2022.9817328. [Scopus, IEEEExplore]
- [6]. Omer M. K. Al-Dulaimi, Aymen M. K. Al-Dulaimi, and Mohammed K.H "Cognitive Radio Technologies and Applications in Dynamic Spectrum Access Method" 9th International Conference on Problems of Info communications. Science and Technology, Kharkov, Ukraine, IEEE, 2022. [Accepted under publication]
- [7]. Omer M. K. Al-Dulaimi, Mohammed K.H, Maiduc Osiceanu Alexandra and Aymen M. K. Al-Dulaimi "Performing Strategic Spectrum Sensing Study for the Cognitive Radio Networks" International Conference on Communications, Information, Electronic and Energy Systems (CIEES 2022), Veliko Tarnovo, Bulgaria, IEEE, 2022, DOI: 10.1109/CIEES55704.2022.9990635.[Scopus, IEEEExplore]
- [8]. Omer. M. K. Al-Dulaimi, Mohammed. K. H. Al-Dulaimi, and Aymen M. K. Al-Dulaimi, "Analysis of Low Power Wireless Technologies used in the Internet of Things (IoT)," in 2022 2nd International Conference on Computing and Machine Intelligence (ICMI), Istanbul, Turkey, 2022, pp. 1–6, doi: 10.1109/ICMI55296.2022.9873714. [Scopus, IEEEExplore]
- [9]. A. M. K. Al-Dulaimi, O. M. K. Al-Dulaimi and M. K. H. Al-Dulaimi, "Implementing 3GPP Code Division for Non-Orthogonal Multiple Access in 5G," 2022 International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkey, 2022, pp. 998-1006, doi: 10.1109/ISMSIT56059.2022.9932803. [Scopus, IEEEExplore]
- [10]. Omer M. K. Al-Dulaimi, Mohammed K.H, Maiduc Osiceanu Alexandra and Aymen M. K. Al-Dulaimi, "Strategy for Non-Orthogonal Multiple Access and Performance in 5G and 6G Networks" in MDP sensor journal, Vol. 23, Issue 3, Article Number 1705, DOI: 10.3390/s23031705, Published FEB 2023, WOS:000930017200001. [ISI-Q1, IF 3.847]
- [11]. Omer. M. K. Al-Dulaimi, Aymen M. K. Al-Dulaimi, M. O. Alexandra and Mohammed K. H. Al-Dulaimi, "Implementation Of Bayesian Approaches In 5G/6G For Cellular Communication Using Multiple Time Series Models" in Electrical Engineering and computer science, UPB Scientific Bulletin, Series C, vol. 85, no. 1, pp. 209 – 226, 2023, ISSN 2286-3540. [Journal Scopus, INSPEC/IET indexed]
- [12]. Omer Mohammed. K. Al-Dulaimi, Mohammed Khodayer Hassan, Aymen Mohammed Khodayer Al-Dulaimi and Maiduc Osiceanu Alexandra "Cognitive Radio Network Technology for IoT-Enabled Devices" International Conference on Electronics, Engineering Physics and Earth Science (EEPES 2023).[MDPI Engineering proceeding]

- [13]. Omer M. K. Al-Dulaimi, C. Vlădeanu, A. Marțian, and Dimitrie C. Popescu, "Average Energy Detection with Adaptive Threshold for Spectrum Sensing in Cognitive Radio Systems" IEEE journal, August 2023. [Under publication]
- [14]. Mohammed. K. Hassana, A. Hassanb, Aymen. M. Khodayerc, and Omer. M. Khodayerd, "Internet Security Impact on E-Banking Users." first international conference on emerging technology trends on the smart industry and the internet of things (TTSIT2022), Baghdad, Iraq, Feb, 2022. [ISI Proceedings pending]
- [15]. Omer. M. K. Al-Dulaimi, Mohammed. K. H. Al-Dulaimi, and Aymen. M. K. Al-Dulaimi, "Resource blocks for real-time and data elastic traffic in IMS/LTE networks are developed and studied" International Middle Eastern Simulation and Modeling Conference (MESM), pp. 159–164, 2022. [Scopus,IEEEExplore]
- [16]. Mohammed K.H, Aymen M. K.Al-Dulaimi, and Omer M. K. Al-Dulaimi " Security Measures of Protection for Banking Systems" 9th International Conference on Problems of Info communications. Science and Technology, Kharkov, Ukraine, IEEE, 2022. [ISI Proceedings pending]
- [17]. Mohammed K.H, Aymen M. K.Al-Dulaimi, and Omer M. K. Al-Dulaimi "Bandwidth Allocation Linear Unit with Resource Allocation Level 1 Design and Evaluation in LTE Downlink" International Conference for pure and applied sciences,Babylon.Iraq, AIPjournal, 2022. [Under publication]
- [18]. Aymen. M. K. Al-Dulaimi, Omer. M. K. Al-Dulaimi, Mohammed. K. H. Al-Dulaimi, and M. O. Alexandra, "Design and Development of Free-Space Optical Transmission Systems and Applications," in 2022 International Conference on Communications, Information, Electronic and Energy Systems (CIEES), 2022, pp. 1–6, DOI: 10.1109/CIEES55704.2022.9990826 . [Scopus, IEEEExplore]
- [19]. Mohammed K. H, Aymen M. K, Ali Hassan, Omer M. K and Maryem M , "Security Issues for Banking Systems." First International Conference on Computing, IoT and Data Analytics (ICCIDA)), Turkey, Sept, 2022. [Springer, Scopus]
- [20]. Mohammed. K. Hassana, Aymen. M. Khodayer, and Omer. M. Khodayer, "Security Enhancement in Cloud Computing system (CCS)." second international conference on emerging technology trends on the smart industry and the internet of things (TTSIT2023), Baghdad, Iraq, January, 2023. [ISI Proceedings pending]
- [21]. Omer Mohammed. K. Al-Dulaimi, Mohammed Khodayer Hassan, Aymen Mohammed Khodayer Al-Dulaimi and Maiduc Osiceanu Alexandra "Deep Learning For Wireless Network Distribution (5G/LTE)." in Electrical Engineering and computer science, International journal of University POLITEHNICA of Bucharest, 2023 . [Under publication]

- [22]. Mohammed. K. Al-Dulaimi, Aymen M. Khodayer Al-Dulaimi, Omer M. K Al- Dulaimi and Maiduc Osiceanu Alexandra “*Aspects of Artificial Intelligent Applications in Cyber Security to Decrease Threats and Restrict Cyber Attacks for Smart Grids*” International Conference on Electronics, Engineering Physics and Earth Science (EEPES 2023). [ISI conference accepted]
- [23]. Aymen Mohammed Khodayer Al-Dulaimi, Mohammed Khodayer Hassan Al-Dulaimi and Omer Mohammed Khodayer Al-Dulaimi, "Construction and Analysis of Dynamic Distribution for Resource Blocks of Real-Time and Data Elastic Traffic in IMS/LTE networks," 2021 International Congress of Advanced Technology and Engineering (ICOTEN), Taiz, Yemen, 2021, pp. 1-7, doi: 10.1109/ICOTEN52080.2021.9493500. [Scopus, IEEEXplore]
- [24]. Aymen. M. K. Al-Dulaimi, Omer. M. K. Al-Dulaimi, Mohammed. K. H. Al-Dulaimi, and M. O. Alexandra, “Design and Development of Free-Space Optical Transmission Systems and Applications,” in 2022 International Conference on Communications, Information, Electronic and Energy Systems (CIEES), 2022, pp. 1–6. [Scopus, IEEEXplore]