

# Curriculum Vitae

## Personal information

**Name:** Dhurgham Abdulridha Jawad Al-Khaffaf

**Place and Date of Birth:** Iraq / 20-7-1987.

**Gender:** Male.

**Marital status:** Married.

**Nationality:** Iraqi.

**Health Condition:** Excellent and Non-Smoker.

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## Work experience<sup>1</sup>

Dates	23/2/2012- To present.
Occupation or position held	Manager of computer centre of engineering technical college\Najaf. Manager of CISCO academy of engineering technical college\Najaf branch.
Name and address of employer	Engineering Technical College\Najaf Al-Furat Al-Awsat Technical University Ministry of Higher Education and Scientific Research Republic of Iraq
Scientific Degree	Assistant Lecturer.
Main activities and responsibilities	Taught communication security for 4 <sup>th</sup> year students. Taught analogue communication systems for 2 <sup>nd</sup> year students. Taught mathematics for 1 <sup>st</sup> year students.
Type of business or sector	Government public sector.
In which sector, would you like to work?	Mobile communication.
Which tasks would you be interested in?	Develop the telecommunication sector and wireless mobile network projects in Iraq such as LTE, LTE-A and 5G.

## Work experience<sup>2</sup>

Dates	1/9/2011 - 19/2/2012.
Occupation or position held	Instructor in computer network lab.
Name and address of employer	Computer engineering department The University Collage of Humanities in Najaf City Ministry of Higher Education and Scientific Research

Main activities and responsibilities	Republic of Iraq Taught students how to: 1- Plan and design LAN network. 2- Do all network configurations. 3- Maintenance computer network.
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## Education and training

<b>Dates</b>	21 September 2015 – 16 November 2016
Title of qualification awarded	Master of science with distinction in wireless communication systems from Brunel University London, West London, United Kingdom.
Principal modules	Advanced digital communications, wireless communication technologies, network design and management, radio and optical communication systems, DSP for communications, communication network security, project management and research methods and professional development.
Dissertation title	LTE- V-BLAST MIMO transmitter modelling & performance Evaluation, using Matlab.
Supervisor Name	Professor John Cosmas.
<b>Dates</b>	1 October 2007 – 5 July 2011
Title of qualification awarded	BSc in communication engineering (Hons) degree from Engineering technical college\Najaf, Al-Furat Al-Awsat Technical University, Najaf, Iraq.
Key Modules	All modules focused on communication systems such as mathematics, electrical measurements, electronics, electrical circuits, digital basics, electric fields, information theory, analogue communication system, digital applications, computer application, microprocessor, digital communication system, electrical circuit design, DSP, antenna, engineering analysis, Advanced communication system, communication and computer network, satellite communication, communication security, control and industrial management.
Project title	Images fusion by using wavelet transform for multi-resolution.
<b>Dates</b>	1 October 2005- 10 July 2007
Title of qualification awarded	Diploma in Electrical Networks from Institute of Technology-Kufa, Iraq.

<b>Dates</b>	27 December 2012
Title of qualification awarded	CCNA Exploration: Network Fundamentals Certificate from Al-Najaf engineering technical college academy.

## Personal skills and competences

Social skills	I have capabilities to live in multicultural societies that are got during my study in London (multicultural city). Good conversation skills gained from work experiences.
Organizational skills and competences	I lead the computer centre and CISCO academy of engineering technical college\Najaf branch.
Technical skills	Professional in networking wired and wireless (ad-hoc, infrastructure AP, routers and switches) LAN networks. Have a good ability to adopt with modern technologies. Good ability in computer hardware and software. Very good with using engineering programs (MATLAB, AUTOCAD, VISUAL BAISC, MULTISIM, ASSEMBLY, C++, MS-DOS, CISCO PACKET TRACER) and computer interfacing technology by using LPT port. Professional in Microsoft office programs (Word, Excel, power point and network management) Professional in Latex.

## International and intercultural experience

Have you been in foreign country before?	Yes.
Which country, have you visited before?	United Kingdom.
How long have you stay there?	One year and six months.

## Language

Mother tongue	Arabic.
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### **Scopus Publications**

1. D. A. J. Al-Khaffaf and A. M. Alsahlany, 2019. 60 GHz Millimetre wave/10 Gbps Transmission for Super Broadband Wi-Fi Network. *Journal of communications*, 14(4), pp. 261-266.
2. Al-Khaffaf, D. A. J., & Hujjo, H. S. R. (2018). HIGH DATA RATE OPTICAL WIRELESS COMMUNICATION SYSTEM USING MILLIMETER WAVE AND OPTICAL PHASE MODULATION.
3. D. A. J. Al-Khaffaf and A. M. Alsahlany, 2018. An efficient improvement of frame aggregation mechanisms for VHT at MAC and PHY layers in IEEE802. 11ac using MIMO channel. *Journal of Theoretical and Applied information technology* 96 (20), 6817-6827.

### **International Publications**

4. D. A. J. Al-Khaffaf and A. M. Alsahlany, 2018. A Return Loss Improvement of Slotted Square Microstrip Inset-Feed Patch Antenna. *International Journal of Latest Trends in Engineering and Technology*. 11(2), pp. 023-028.
5. AL-Khaffaf, D. A. J. (2018). Improving LAN Performance Based on IEEE802. 1Q VLAN Switching Techniques. *Journal of University of Babylon*, 26(1), 286-297.
6. Al-Khaffaf, D. A. J., Gurung, N., & Cosmas, J. (2017). A Novel Combination of the V-BLAST Algorithm with Kalman Filter for Single User MIMO LTE Downlink. *International Journal of Multidisciplinary Sciences and Engineering*, 8(6).

**Member of Iraqi Engineers Union (Registration No.: 151941 since 08-02-2012).**

**I supervised a graduation project for undergraduate student in 2017**

**named:** Predicting the impact of TCP window size on application performance, using OPNET 14.5.