**Mohammed Sadoon Hathal**  ****

**PhD ccomputer engineering**

**Position: Lecturer**

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* **First, Scientific Certification:**

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| --- | --- | --- | --- |
| **Date** | **College** | **University** | **Degree science** |
| 2014 | Engineering | University Sains Malaysia | **PhD** |
| 2005 | Computer and Software Engineering | University of Technology | **MSc** |
| 1997 | Computer Engineering | University of Technology | **BSc** |

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| **From -To** | **Workplace** | **Career** | **No.** |
| 2014- | University of Baghdad/Computer Engineering | Lecturer | 1. |
| 2005-2014 | University of Baghdad /Computer Engineering | Assist Lecturer | 2. |

* **Second, Career:**
* **Third, University Teaching**

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| **From -To** | **The (Institute / College)** | **University** | **No.** |
| 2005- | College of Engineering/ Computer Engineering | University of Baghdad/  Engineering | 1 |

* **Fourth, Courses Which You Teach:**

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| **Year** | **Subject** | **Department** | **No.** |
| MSc  2016-2020 | Computer Vision  Soft Computing | Computer Engineering | 1 |
| MSc  2015 | Computer Vision | Computer Engineering | 2 |
| 2018- | Artificial Intelligence | Computer Engineering | 3 |
| 2010-2014 | Computer Language C++  DSP  C++ | University Sains Malaysia | 4 |
| 2015-2018 | IO interfacing | Computer Engineering | 5 |
| 2014-2017 | Fundamentals of Computer System | Computer Engineering | 6 |
| 2005-2007 | AutoCAD | Computer Engineering | 7 |
| 2005-2010 | Computer System Architecture | Computer Engineering | 8 |

* **Fifth, Thesis** **which was supervised by :**

|  |  |  |  |
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| **Year** | **Department** | **Thesis Title** | **No.** |
| 2017  2019 | Electronic and Communication Eng./Computer Engineering Dept.  Computer Eng.Dept | Arabic Hand Writing Text Recognition using Neural Network.  Arabic License Plate Recognition System using Artificial Neural Network and Canny Edge Detection | 1  2. |

* **Sixth, Conferences which I participated:**

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| **No** | **name** | **Type** | **Research** | |
| 1.  2.  3.  4.  5.  6.  7. | *IEEE International Conference on*, *2012*. Manchester, United Kingdom  *International Conference on*, *2012*. Manchester, United Kingdom  *International Workshop on Imaging Systems and Techniques,* Penang, Malaysia.2011  *International Symposium on Multimedia and Communication Technology (ISMAC)*, 2013.Bangkok, Thailand  *IEEE Sensors Applications Symposium (SAS),* 2014, Queenstown, new Zealand.  *Postgraduate Colloquium EEPC 2011*. Pahang, Malaysia.  PIERS 2019 in Rome Photonics & Electromagnetics Research Symposium also known as Progress In Electromagnetics Research Symposium  Rome-Italy | IEEE  IEEE  IEEE  *ISMAC*  IEEE  EEPC  PIERS 2019 | | **HATHAL, M. S**., ZANOON, T. F., AIN, M. F. & ABDULLAH, M. Z. Year. Experimental ultra wide band imaging using heterogeneously dense breast phantom for early cancer detection. *In:*  *Imaging Systems and Techniques (IST), 2012 IEEE International Conference on*, *2012*. Manchester, United Kingdom, 130-135.  ZANOON, T. F., **HATHAL, M. S**. & ABDULLAH, M. Year. Microwave imaging at resolution and super-resolution with ultra-wide band sensors. *In: Imaging Systems and Techniques (IST), 2012 IEEE International Conference on, 2012*. Manchester, United Kingdom, 538-543.  ZANOON, T. F., **HATHAL, M**. S. & ABDULLAH, M. Z. Comparing image reconstruction algorithims for microwave camera featuring ultra wide band sensor. *IEEE International Workshop on Imaging Systems and Techniques, IST 2011*., 17-18 Oct. 2011, Penang, Malaysia. 112-117.  **MOHAMMED S HATHAL**, TAREQ F ZANOON, and MOHD Z ABDULLAH.Early Breast Cancer Detection by Means of Ultra-wide Band Imaging. *International Symposium on Multimedia and Communication Technology (ISMAC)*, February 4-5, 2013.Bangkok, Thailand.  S. S. TIANG, **M. S. Hathal**, Nik Anwar, M.F. Ain and M. Z ABDULLAH. Wide-Slot Antenna for Ultra-Wideband Breast Imaging. *2014 IEEE Sensors Applications Symposium (SAS),* February 18-20, 2014, Queenstown, New Zealand.  **M. S. Hathal**, & M. Z. ABDULLAH. Experimental Ultra Wide Band Imaging Using Enhanced Delay and Sum Algorithm. *School of Electrical and Electronic 3rd Postgraduate Colloquium EEPC 2011*. USM, 2-4 Dec. 2011, Bentong, Pahang.  Mohammed S. Hathal, , Suhair S. Salih and Alaa H. Hasan Ultra-wideband Featuring Enhanced Delay and Sum Algorithm and Oriented for Detecting Early Stage Breast Cancer.  PIERS 2019 in Rome. Photonics & Electromagnetics Research Symposium. |

* **Seventh, Scientific Activities:**

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| **Outside the College** | **Within the College** |
| Scientific Reviewer of the following ISI and Scopas Scientifics Internationals Journals such as:    1.Progress in Electromagnetic Research Journal(PIER) - United States.    2.Transaction of Institute  of Measurement and control Journal –United Kingdom    3. IGI journals -United States | 1. Consult Member in Journal of Engineering/ University of Baghdad  2. Consult Member in Scientific of Computer Engineering/ University of Baghdad    3.Member of committee of Engineering college for Plagiarism |

**Eighth, Research Projects in the Felid of Specialization to the Environment and Society or the Development of Education:**

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| **No.** | **Research Title** | **Place of Publication** | **Year** |
| 1 | Development of a Compact Wide-Slot Antenna for Early Stage Breast Cancer Detection Featuring Circular Array in Full-View Geometry. | International Journal of Antennas and Propagation, | 2014 |
| 2. | Radar Sensing Featuring Biconical Antenna and Enhanced Delay and Sum Algorithm for Early Stage Breast Cancer Detection. | Progress In Electromagnetics Research (PIERS) Journal | 2013 |
| 3. | Developing An Arabic Handwritten Recognition System by means of Artificial Neural Network | Journal of Engineering and Applied Sciences | 2019 |
| 4. | Developing Arabic License Plate Recognition System using Artificial Neural Network and Canny Edge Detection. | Baghdad Science Journal, | 2019 |
| 5. | Development of Iraqi License Plate Recognition System based on Canny Edge Detection Method. | Journal of Engineering  University of Baghdad | 2020 |

**Ninth, Membership:**

* **Member in Iraqi Engineers** **Union**
* **Iraqi Academics Syndicate**

**Tenth, Awards and Certificates of Appreciation:**

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| **Year** | **Donor** | **Name of Awards and Certificates** | **No.** |
| 2008 | President of the  University of Baghdad | Acknowledgement and Appreciate | **1** |
| 2009 | President of the  University of Baghdad | Acknowledgement and Appreciate | **2** |
| 2011 | Universiti Sains Malaysia / Electrical and Electronic 3rd Postgraduate Colloquium EEPC 2011 | Acknowledgement and Appreciate | 3 |
| 2012 | IEEE International Conference on Imaging Systems and Techniques (IST) , 2012. Manchester, United Kingdom | Best Paper Award | 4 |
| 2014 | Dean of College of  Engineering | Acknowledgement and Appreciate | 5 |
| 2014 | President of University of Tikrit | Acknowledgement and Appreciate | 6 |
| 2015 | President of the  University of Baghdad | Acknowledgement and Appreciate | 7 |
| 2015 | Dean of College of  Engineering | Acknowledgement and Appreciate | 8 |
| 2015 | Dean of College of  Engineering | Acknowledgement and Appreciate | 9 |
| 2015 | Dean of College of  Engineering | Acknowledgement and Appreciate | 10 |
| 2016 | President of the  University of Baghdad | Acknowledgement and Appreciate | 11 |
| 2017 | Dean of College of  Engineering | Acknowledgement and Appreciate | 12 |
| 2018 | President of the  University of Al\_Saadeq | Acknowledgement and Appreciate | 13 |
| 2019 | Dean of College of  Engineering | Acknowledgement and Appreciate | 14 |
| 2019 | President of the  University of Dohuk and Zakho | Acknowledgement and Appreciate | 15 |
| 2020 | President of the  University of Dohuk | Acknowledgement and Appreciate | 16 |
| 2020 | President of the  University of Baghdad | Acknowledgement and Appreciate | 17 |
| 2020 | Minister of Higher Education and scientific Research | Acknowledgement and Appreciate | 18 |
| 2020 | Minister of Higher Education and scientific Research | Acknowledgement and Appreciate | 19 |

* **Eleventh, languages:**
* English
* Arabic

**-Skills**

Programming skills

Matlab, C++, Python and Robot Operating System (ROS)

**-Computer skills**

LUNIX, Windows, LaTeX and Microsoft oﬃce

**-Hobbies and Interests**

I enjoy solving puzzles, ......