Curriculum Vitae

Name :	**Dr. Farah Qais Abdullah AL-Khalidi**
Email(s) :	Farah2qais@yahoo.com, *farah1qais@gmail.com*, farahqaa@uomustansiriyah.edu.iq
Qualification / Certification	**Ph.D.** Computer Science / Sheffield Hallam University **(United Kingdom)** / 2011. (***Development and evaluation of thermal imaging techniques for non-contact respiration monitoring***) **M.Sc.** Computer Science/Technology University - Iraq Baghdad / 2003. **B.Sc.** Computer Science/Technology University - Iraq Baghdad / 1994.
Academic degree:	Assistance proof

Technical Skills:	-Working in processing the medical images (compression, decompression enhancement, segmentation, etc). -Working in signal processing. Have good experience in the thermal camera as well as processing the thermal images
The current field of Interest :	Image processing, Graphics, Signal processing, Thermal imaging, Information technology , Patteren Recognation
Google Scholar	**(746)** https://scholar.google.co.uk/citations?user=8rh4eV8AAAAJ&hl=en **H-index=7, In Scopus the H-Index=4**
Edited Books :	Extraction of the Facial Features of the Human Face, ISBN:978-1-5342-365-, DOI:10.20850/9781534203655, 13 May 2018, Glasstree Academic Publishing
Publications	21 papers
Contributions	❖ Six posters and presentations presented at research seminars at the MERI Institute, Sheffield Hallam University, United Kingdom ❖ **Chair- Section** in ACS/IEEE International Conference on Computer Systems and Applications in Hammamet Tunisia on 16th to 19th of May 2010 ❖ Attended several lectures such as **(Practical Options for Software Architecture Solution**, **Bg Data, Model ....**

❖   Number of Thanksgiving books from international and local journals as well as Mustansiriya University

❖   Reviewer in several external and internal journals (such as Mustansiriyah's journal, IEEE, Scopus journals, and so on)

Also

➢ Member of the Scientific Committee of the Department of Computer science (2013-2015).

➢ Member of the Committee to prepare the study plan in the Department of Computer Science (2013-2015).

➢ Member of the Examination committee for 2015-2016 , 2016-2017, 2017-2018 , 2019-2020, 2020-2021, 2023-2024.

➢ Chair of the Educational Supervision Committee for 2016-2017

➢ Member of the committee of the Educational Supervision for 2018-2019

➢ Member of the Committee in scientific journals

➢ Member in IEEE journal since 2013

➢ Editor in Al-Mustainsiriyah university journal since 2019-2022

➢ Editor in Samarra journal since 2023

➢ Chair of the committee electronic plagiarism checker.

➢ Member of the International Technical Committee of ICCIIDT'16

➢ Member of several ministerial committees.

➢ Member of several postgraduate theses discussion committees.

Experiences	*1- 2005-2013- Teaching in Mustansiriyah University/ college of Art*
	
	2- (2013-2023) – Teacheing / Mustansiriyah University– Computer Science/ Teaching
	   1- BSc (Graphics, Matlab, image processing, information technology)
	   2- Msc. Pattern Recognition
	   3- Ph.D. research Methodology
	Supervisor on several PhD, MSc. and BSc students

Publication Papers (21)	1. Farah Q Al-Khalidi, Rana Ayad,(2023)**, CONVOLUTIONAL NEURAL NETWORK (CNN) MODEL TO MOBILE REMOTE SURVEILLANCE SYSTEM FOR HOME SECURITY,** *International Journal of Computing and Digital Systems,* *v*olume:13, Issue:1: Pages:1-1, 2023. 2. Farah Q Al-Khalidi, Rana Ayad (2023)*,* **MOBILE REMOTE SURVEILLANCE SYSTEM FOR HOME SECURITY ISSUES ,** *AIP Conference Proceedings, 2023.,* Vol.2820, Issue:1, 2023. 3. Farah Qais Al-Kalidi, Shaimaa H. Shaker ,Raheem O.(2022), ***IDENTIFICATION BASED ON IRIS DETECTION TECHNIQUE. ,*** *International Journal of Interactive Mobile Technologies, Vol.16,Issue:24.,2022.* 4.Alaa Hussein Ali, Farah Q Al-Khalidi, (2022)**A REVIEW OF COVID-19 DETECTION AND DIAGNOSIS METHODS BASED ON DEEP LEARNING,** AIP Conference Proceedings, 2022. , Volume: 2398, Issue:1.2022 5. Farah Q. Al-Khalidi , SHAIMAA H. AL-KANANEE(2022) **, DIAGNOSIS OF DIABETES MELLITUS BASED COMBINED OF FEATURE SELECTION METHODS,** Journal of Theoretical and Applied Information Technology, Vol.:100, Issue:13, Pages:4726-4737 6. Farah Q. Al-Khalidi , SHAIMAA H. AL-KANANEE **,(2022), HUMAN GENDER AND AGE DETECTION BASED ON ATTRIBUTES OF FACE.,** International Journal of Interactive Mobile Technologies, 2022. Vol.16, Issue:10 7. Farah Q. Al-Khalidi , SHAIMAA H. AL-KANANEE*, SAMIRA A. A HUSSAIN, (2021),' MONITORING THE BREATHING RATE IN THE HUMAN THERMAL IMAGE BASED ON DETECTING THE REGION OF INTEREST', Journal of Theoretical and Applied Information Technology, 30th April 2021. Vol.99. No 8* 8. Farah Q. Al-Khalidi, Bassam Alkindy, Thekra Abbas,(2019)**, ' EXTRACT THE BREAST CANCER IN MAMMOGRAM IMAGES'** International Journal of Civil Engineering and Technology (IJCIET) Volume 10, Issue 02,

February 2019, pp. 96-105, ISSN Print: 0976-6308 and ISSN Online: 0976-6316

9. Farah Q. Al-Khalidi, Maha A. Bayati an,d Shaimaa H. Alkinany**, (2019,' Tumor Detection and Extraction in the Human Brain Tumor Detection and Extraction in the Human Brain',** Journal of Engineering and Applied Sciences 14 (7): 2333-2339, 2019 ISSN: 1816-949X © Medwell Journals, 2019**.**

10. Samira Abdul-Kader Hussain, Farah Qais Al-Khalidi (2018), " **EYES DETECTION IN THE HUMAN FACE**", International Journal of Civil Engineering and Technology (IJCIET), Vol.9 Issue 10 Pages 1001–1007, Publisher: IAEME

11. Farah Qais Abdulalla ., Sadiq abduljabar, A., & Hameed Shaker, S. (2018). "**A Survey of human face detection methods" .** Journal of Al-Qadisiyah for Computer Science and Mathematics, 10(2), Comp Page 108 - 117. https://doi.org/10.29304/jqcm.2018.10.2.392

12. Farah Qais Abdulalla,**(2017),' Nose Detection in the Human Face',** Iraqi Journal of Information Technology, 2017, Volume 7, Issue, Pages 55-66**.**

13. Farah Qais Abdulalla,**(2016, 'Facial Features Extraction From the Human Face',** International Journal of Electronics Communication and Computer Engineering, Vol. 7, Issue 6, Page 310, Publisher: International Journal of Electronics Communication and Computer Engineering (IJECCE)

14. AL-Khalidi F., Elphick H, Saatchi R, Burke D.(2015)"**Respiratory Rate Measurement in Children Using a Thermal Imaging Camera'** in International Journal of Scientific & Engineering Research, Volume 6, Issue 4, April-2015 ISSN 2229-5518, published n **IJSER** *Xplore®*.

15. AL-Khalidi F., Saatchi R., Elphick H., Burkeck D. (2015)**" Tracing the region of interest in the thermal human face for respiration monitoring'** *in* International Journal of Computer Applications (IJCA) 2015 (0975 – 8887) Volume 119 – No.4, June 2015.

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16. AL-Khalidi F., Saatchi R., Elphi. , Burke D. and Tan S. (2011), "**Respiration Rate Monitoring Methods: A Review**" in Journal Pediatric Pulmonology InterScience / Medical, Veterinary and Health Sciences, published by WILEY –Blackwell in the United Kingdom 2011. Article first published online: 31 Jan 2011, DOI: 10.1002/ppul.21416. Web site http://onlinelibrary.wiley.com/doi/10.1002/ppul.2116

17. AL-Khalidi F., Saatchi R., Elphick H. and Burke D. (2011), "**An Evaluation of Thermal Imaging-Based Respiration Rate Measurement in Children**", published in the American Journal of Engineering and Applied Sciences.

18. Saatchi R., AL-Khalidi F., Elphick H. and Burke D. (2009), "**Thermal image analysis of skin surface centered on the tip of the nose for respiration monitoring**", IEEE sponsored International Conference on Electronic Design and Signal Processing-ICEDSP, 10-12th of December 2009, Manipal. India.

19. AL-Khalidi F., Saatchi R., Elphick H. and Burke D.(2010), **"Tracking human face features in thermal images for respiration monitoring"** in the 2010 ACS/IEEE International Conference on Computer Systems and Applications in Hammamet Tunisia on 16-19th of May 2010. pp(s) 1 – 6, ISBN: 978-1-4244-7716-6.Available on Web site, http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=5586994

20. AL-Khalidi F., Saatchi R., Elphick H. and Burke D. (2010), "**A Facial Tracking Method for Noncontact Respiration Rate Monitoring**" in the 7th IEEE IET, International Symposium on Communication Systems, Networks and DSP-CSNDSP 2010, the United Kingdom on 21-23rd of July 2010; 827-830. ISBN-: 978-1-86135-370-2. pp(s): 751 – 754, INSPEC Accession Number: 11535400, Location: Newcastle upon Tyne. Available on Website http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=5580320 .

21. AL-Khalidi F., Saatchi R., Elphick H. and Burke D. Tan S. (2010)," **Challenges in Thermal Imaging-Based Respiration Rate Monitoring**", Congress of the International Paediatric Sleep Association joint meeting with Paediatric Sleep Medicine Conference, Rome, 3-5th of December 2010. Web site: http://www.pedsleep.org