***Curriculum Vitae***

**Prof.Dr. Jameelah Harbi Saud**

***Al-Mustansiriyah University – College of Science***

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 **Personal Summary:**

The theoretical studies and analysis of; image processing, data compression, digital signal processing, and multimedia systems.

 **Education:**

* Ph.D. #1: 2001
* M.Sc. #2:1996
* B.Sc. #3:1989

 **ACADEMIC HONORS AND AWARDS:**

 **ACADEMIC /TEACHING EXPERIENCE:**

* Numerical Analytic (under graduate).
* Digital Image Processing (under graduate).
* Multimedia Systems (under graduate).
* Advance Mathematical (under graduate).
* Digital Signal Processing (post graduate).
* Digital Image Processing (post graduate).
* Data Compression (post graduate).
* Media Processing (post graduate).
* Pattern Recognition (post graduate).
* Multimedia System (post graduate)

**COURSES TAUGHT:**

|  |  |
| --- | --- |
| **Undergraduate** | **Graduate** |
| 1st ,2nd , 3rd , and 4th class | Diploma, MSc., And PhD  |

**PROFESSIONAL AFFILIATIONS:**

* Member of the computer department 2001-2019
* Chairman of the Scientific Promotions Committee at the Institute of Informatics for Postgraduate Studies 2017-2019
* Chairman of the comprehensive examination committee at the Institute of Informatics for Postgraduate Studies 2017-2019
* Member of the Scientific Committee at the Institute of Informatics for Postgraduate Studies 2017-2019
* Member of the Scientific Committee at Mustansiriyah university, college of Science 2017-2019
* Chairman of the Graduate Studies Committee at Computer Science Department 2017-2019
* Decision graduate 2011-2014
* Member of the test the validity of teaching 2011-2016
* Representative section of the consolidation &publication 2010-2015
* Member of scientific committee 2003-2014
* Director of laboratories 2007-2009
* Member of the examination for undergraduate studies 2002-2008
* Decision graduate( 2003-2006) and (2011-2014)
* Member of the examination for graduate studies ( 2003-2006) and (2011-2014)

**PUPLICATIONS:**

1. “Deep Learning Employ for Low Light Image Enhancement”, International Journal of Science and Research (IJSR) ISNN: 2319-7064 Researchgate Impact Factor (2018):0.28, Volume 8 Issue 8, August 2019.
2. “Low-Light Image Enhancement by Using Convolutional Neural Network”, International Journal of Engineering and Innovative Technology (IJEIT), Vol.9, Issue 1, July 2019
3. “Palmprint Region of Interest (ROI) Extraction”, International Journal of New Technology and Research (IJNTR) ISSN: 2454-4116, Volume-5, Issue-8, August 2019 Pages 01-03
4. “Feature Extraction from hand Dorsal Vein and Palmprint”, International Journal of Advanced Research in Computer Engineering & Technology (IJARCET),Volume 08, Issue 03, March 2019, ISSN: 2278 – 1323.
5. “Tongue print features extraction by Gabor Filters family” Indian Journal of Forensic Medical & Toxicology, 13(1),pg: 298-301, Jan,2019.
6. “Deep Learning Machine using Hierarchical Features” Mustansiriyah Journal of Science, 29 (3):82-93, DOI10.23851/mjs.v29i3.625, 2019.
7. “A comparison Study, for Steganography, between Dark skin and White Skin tone based on Wavelet transformation”, **المجلة العربية للبحوث النفسية و التربوية ، العدد7، 2019 فبراير.**
8. “Hybrid Technique of Image Enhancement and Fusion”, *International Journal o f Modern Trends in Engineering and Research (IJMTER) Volume: 5, Issue: 10, [October– 2018]*ISSN (Online):2349–9745 ; ISSN (Print):2393-8161
9. “Fractal Image Compression Based on High Entropy Values Technique”, Al-Mustansiriyah Journal of Science ISSN: 1814-635X (print), ISSN: 2521-3520 (online) Volume 28, Issue 2, 2017 DOI: http: //doi. org/10.23851/mjs. v28i2. Xxx.
10. “Sumerian Character Extraction by Using Discrete Wavelet Transform and Split Region Methods” 1st International Conference on Engineering and Computing, 2017 (ICEC2017)
11. “Edge Detection of Ear Image based on Canny Method” مؤتمر كلية التربية2017
12. “Image Encryption Based on Partitioning and Rearranged Pixels Position’, The 1stInternational Conference on Information Technology (ICoIT'17), Lebanese French University - Erbil, Kurdistan Region – Iraq,10thof April, 2017
13. “Image Enhancement By Using Homomorphic Filtering Model”, The 1stInternational Conference on Information Technology (ICoIT'17), Lebanese French University - Erbil, Kurdistan Region – Iraq,10thof April, 2017
14. “No-Reference Perceptual Quality Assessment Of Ringing And Motion Blur Image Based On Image Compression”, *International Journal of Modern Trends in Engineering and Research (IJMTER), Volume 03, Issue 10, October– 2016]* ISSN (Online):2349–9745; ISSN (Print):2393-8161@IJMTER**-**
15. “IFS Code As Feature in Face Recognition System”, *International Journal of Modern Trends in Engineering and Research (IJMTER),Volume 03, Issue 08, [August– 2016]* **ISSN (Online):2349–9745 ; ISSN (Print):2393-8161**
16. “Acute Lymphocytic Leukemia Detection and Classification (ALLDC) System”, International Journal of Computer Applications (0975 – 8887) Volume 147 – No.4, August 2016.
17. “No Reference Perceptual Quality Assessment of Blocking Effect based on Image Compression”, International Journal of Scientific & Engineering Research, Volume 7, Issue 6, June-2016 ISSN 2229-5518
18. “Image Encryption Based on Linear Feedback Shift Register Method”, 2016 Al-Sadeq International Conference on Multidisciplinary in IT and Communication Science and Applications (AIC-MITCSA) – IRAQ (9-10) May
19. “Face Detection Based on Robust Algorithm of Skin Color “, International Journal of Scientific & Engineering Research, Volume 7, Issue 5, May-2016 118 ISSN 2229-5518 IJSER © 2016 http://www.ijser.org
20. “Steganography Based Human Skin Using Wavelet Transformation In RGB Image”, International Letter of Chemistry, Physics, and Astronomy Vol.52 (2015) pp84-89© (2015) SciPress Ltd, Switzerland, doi:10.18052/www.scipress.com/ILCPA.52.84.
21. “Edge Detection in Ultrasound Images Based on Modified Unsharp and Wavelet Transform Filters”, International Letter of Chemistry, Physics, and Astronomy Vol.52 (2015) pp90-99© (2015) SciPress Ltd, Switzerland, doi:10.18052/www.scipress.com/ILCPA.52.84.
22. “Face Detection using RGB Model”, Journal of Kerbala University, Vol.13, No. 3, 2015.
23. “New Method of Image Hiding”, Iraq Journal of Information Technology, Vol.6, No.2, 2014.
24. “ A Network Chatting and Sending Data”, International Journal of Scientific & Engineering Research, Volume 5, Issue 12, December-2014 361 ISSN 2229-5518
25. **“**Subjective Quality Assessment Of New Medical Image Database”, International Journal of Computer Engineering and Technology (IJCET), ISSN 0976-6367(Print),ISSN 0976 - 6375(Online), Volume 4, Issue 5, September - October (2013), © IAEME.
26. “Fractal Image Compression based on Jointly and Different Partitioning Scheme”, International Journal of Engineering Research and Development e-ISSN: 2278-067X, p-ISSN: 2278-800X, www.ijerd.com Volume 7, Issue 1 (May 2013), PP. 52-61
27. “Image Quality Measures with Different Radiometric Resolution”, International Journal of Engineering Research and Development e-ISSN: 2278-067X, p-ISSN: 2278-800X, www.ijerd.com Volume 7, Issue 1 (May 2013), PP. 62-66
28. “Fractal Image Encoding based on Most Frequent Pixel Technique”, Accepted in Computer Sci. J., University of Technology, 2013.
29. “Speeding-Up Fractal Image Compression by using Classification Range Blocks “, Eng.&Tech. Journal., Vol31, Part (B), No.6,2013.
30. “Proposed Pyramid Fractal Image Compression”, Accepted in 2nd scientific conf. for women in Iraq, University of Baghdad, college of Sci. for Women, 26th -28th Mar.2013.
31. “Fractal Image Compression Based on Entropy Technique”, IOSR Journal of VLSI and Signal Processing (IOSR-JVSP) Volume 2, Issue 1 (Mar. – Apr. 2013), PP 27-30 e-ISSN: 2319 – 4200, p-ISSN No. : 2319 – 4197 www.iosrjournals.org
32. “Mathematical Morphology based on Skeleton Method”, المؤتمر العلمي العشرون لكلية التربية\ الجامعة المستنصرية 24-25نيسان- 2013\ العلوم الصرفة , عدد خاص المجلد (3)
33. “Correct Enhanc the Illumination of Object based on Top-Hat Transformation” , Al-Mustansiriyah Journal of Science, Special Edition: The 9th Conference of the college of Science, Al-Mustansiriyah University 6-7 May 2013, Vol.24, No.5, 2013.
34. “Face Feature Recognition System Considering Central Moments”, International Journal of Computational Engineering Research, Vol. 3, Issue. 1, 2013.
35. " Discrete Cosine Transformation using in Hiding Image Technique Al-Mustansiriyah J. Sci., Vol. 23, No.7, 2012.
36. . "New Partitioning Techniques of Fractal Image Compression ", First Scientific Conference Proceeding, Iraq Association of Information Technology, 2009.
37. "Fractal Image Compression based on New Affine Parameters" Al-Mustansiriyah J. Sci., vol.19, No.1, pp.87-99, 2008.
38. "Fractal image Compression based on Complex Moments Methods”, Journal of Education college, No.1, pp.143-151 2008.
39. . ” Inverse Problem of Fractal Image Compression”, Journal of Education college, No.3, pp.151-157, 2007.
40. "Visual Transformation of Image into Another Based on Morphing Method", Journal Education College, No.3, pp.158-166, 2007.
41. . "Fractal Image Compression using Block Indexing Technique", CSIT2006, Amman-Jordan, April 5th –April 7th, vol. 1, 2006.
42. "Adaptive Algorithm to Enhance Fast Method of Fractal Image Compression”, Iraqi Journal of Science, Vol.45, No.1, pp.221-229, 2004.
43. "Acoustical Study of Aqueous Solution of Polyethylene Glycol (PEG)”, Journal of Education College, Vol. 5, No.5, 2001.
44. . "Speeding Up Fractal Image Compression using Selective Points Method (SPM)", Iraqi J. Sci., 2001
45. "The Effect of Gamma Rays on some Physical Properties of Aqueous Solutions of Polyethylene Glycol (PEG)”, Al-Mustansiriyah J. Sci., Vol.10, No.2, 1999.

**PROFFESSIONAL DEVELOPMENT**

* Certifications. More than 20
* Conferences. More than 15
* Workshops. More than 8

**Supervision اسماء طلبة الدراسات العليا و عناوين الرسائل المشرف عليها**

1. Huda A.A.,” Adaptive Methods of Fractal Image Compression”, M.Sc. thesis, Al-Musenaseriyah Univ.,College of Science,(2002).
2. Aseel H., “Adaptive Method of Fractal Image compression based on Complex Moments Method”, M.Sc. thesis, Al-Musenaseriyah Univ.,College of Science,( 2004).
3. Eman A.,” Suggested Algorithm For Fractal Image Compression”, M.Sc. thesis, Al-Musenaseriyah Univ.,College of Science,( 2004).
4. Taha H.,” Partitioning Development For Fractal Image Compression”, M.Sc. thesis, Al-Musenaseriyah Univ.,College of Science,(2004).
5. Salam A.,” Fractal Image Compression Using Shape Structure”, M.Sc. thesis, Al-Musenaseriyah Univ.,College of Science,(2004).
6. Rafaa E.,” Optimal Hierachical Partitions for Fractal Image Compression”, M.Sc. thesis, Al-Musenaseriyah Univ.,College of Science,(2004).
7. Hana'a M.," Speeding up Fractal Encoding of Image using a Block Indexing Techniques" M.Sc. thesis, Iraqi Commission for Computers & Informatics for Postgraduate Studies.2005
8. Amare E., "Face Detection and Pattern Recognition", M.Sc. thesis, Al-Musenaseriyah Univ.,College of Science,(2005).
9. Hamed S., "Digital Video Transmission Over wireless Channel", M.Sc. thesis, Al-Musenaseriyah Univ.,College of Science,(2005).
10. Nagham Y.," Development of A Scure E-mail System Based on Encryption" M.Sc. thesis, Al-Musenaseriyah Univ.,College of Science,(2005).
11. Laith, A. Al-Saadi, “Fractal Image Compression”, M.Sc. thesis, Al-Musenaseriyah Univ.,College of Science,(2005).
12. Wrood Abdukareem," Medical Image Quality Assessment based on Numerical Observer Model", M.Sc. thesis, Al-Musenaseriyah Univ.,College of Science,(2013).
13. Doaa Younis," Fractal Image Compression using Quadtree Partitioning Based on Entropy Technique", M.Sc. thesis, Al-Musenasiriyah Univ.,College of Science,(2014).
14. Zyad Nabeel “Skin Color Hiding based Media for Steganography using Wavelet Transform”, PhD thesis, Al-Musenasiriyah Univ.,College of Science,(2016).
15. Waseem Mouhamed “**Computer Aided Segmentation of Ultrasound Image”, PhD** thesis, Al-Musenasiriyah Univ.,College of Science,(2016).
16. **Suaad Muhsen Saber, “Facial Recognition Based On Fractal Coding”, MSc. Thesis, Al-Musenasiriyah Univ.,College of Science,(2016).**
17. Rana Ali Salim “**Improved Classification Approach to Detect Diseases in Human Blood Samples” MSc. Thesis, Al-Musenasiriyah Univ.,College of Science,(2017).**
18. **Moahaimen T. Abdullah, “Unsupervised Sumerian Texts Recognition”, MSc. Thesis, Al-Musenasiriyah Univ.,College of Science,(2017).**
19. **Zyad Karim, “ Face Detection and Recognition based on Hadoop“, MSc. Thesis, Al-Musenasiriyah Univ.,College of Science,(2018).**
20. **Atheer, “Enhancement the Contrast Stretching Image by Applying Image Mosaicing”, Diploma project Institute of Informatics for Postgraduate Studies, 2018**
21. **Jamal Naser,”** **Underwater Image Enhancement Using Dark Channel Prior and Gamma Correction”, Diploma project Institute of Informatics for Postgraduate Studies, 2018**
22. **Sara Salman Qasim , “Force Field Feature Extraction for Ear Biometric “,MSc. Thesis, Al-Musenasiriyah Univ.,College of Science,(2019).**
23. **Mayram Abdulredha, “Tongue Print Recognition based on ELM and CNN “.MSc. Thesis, Al-Musenasiriyah Univ.,College of Science,(2019).**
24. **Ahlam** **Abdul\_Sada Ajeel ,”** **Structure-Texture Image Decomposition using Deep Variational Priors, Diploma project Institute of Informatics for Postgraduate Studies, 2018**
25. **Abdulkareem Zouin, “Implantation of an effective multi-modal biometric fusion system “ MSc. Thesis, Institute of Informatics for Postgraduate Studies, 2019**
26. **Huda Dhari, “Multi-scale Retinex Low-light Image Enhancement Using Deep Convolutional Network “MSc. Thesis, Institute of Informatics for Postgraduate Studies, 2019**

**Training : التدريب**

* In 2004, Al-Axenderiayh University invites me to visit it and made tour in Science College, physics department.
* In 16 February2010, my training begins in Malaya University, engineering faculty in Malaysia. I was proposed a n idea of paper in field of biomedical image recognition.
* IC3

**Further Experience: الخبرة العلمية الاخرى**

Courses Taught

1. Numerical Analytic (under graduate).
2. Digital Image Processing (under graduate).
3. Multimedia Systems (under graduate).
4. Advance Mathematical (under graduate).
5. Digital Signal Processing (post graduate).
6. Digital Image Processing (post graduate).
7. Data Compression (post graduate).
8. Media Processing (post graduate).