

CURRICULUM VITAE

Name: Ass. Prof. Dr. Ghadah Kadhim Al-Khafaji.

Qualification: PhD. Computer Science (Multimedia) in 2012, Exeter University, UK.

Address: Computer Science Department
Collage of Science/Baghdad University, Baghdad, Iraq.

Cell Phone: 009647815208723

E-mail: ghada.toma@sc.uobaghdad.edu.iq, hgkta2012@yahoo.com,

H-index: 7

i10-index:5

Publication

1. Ghadah, Al-K. 2012. Adaptive Selective Predictive for Image Data Compression. Iraqi Journal of Science, 53(4), 1181-1187.
2. Ghadah, Al-K. and George, L. E..2013. Fast Lossless Compression of Medical Images based on Polynomial. International Journal of Computer Applications, 70(15), 28-32.
3. Ghadah, Al-K. and Haider, Al-M. 2013. Lossless Compression of Medical Images using Multiresolution Polynomial Approximation Model. International Journal of Computer Applications, 76(3),38-42.
4. Ghadah, Al-K. 2013. Image Compression based on Quadtree and Polynomial. International Journal of Computer Applications, 76(3),31-37.
5. Mohammed, M. and Ghadah, Al-K. 2013. Applied Minimized Matrix Size Algorithm on the Transformed Images by DCT and DWT used for Image Compression. International Journal of Computer Applications, 70(15), 33-40.
6. Ghadah, Al-K. 2013. Hybrid Image Compression based on Polynomial and Block Truncation Coding. Electrical, Communication, Computer, Power, and Control Engineering (ICECCPCE), 2013, International Conference on Mosul, IEEE.
7. Ghadah, Al-K. 2013. Hierarchal Autoregressive for Image Compression. The Proceeding of the 4th Conference of College of Education for Pure Science, Thi-Qar University, 4(1), 235-241.

8. Ghadah, Al-K. 2014. Wavelet Transform and Polynomial Approximation Model for Lossless Medical Image Compression. *International Journal of Advanced Research in Computer Science and Software Engineering*, 4(3), 584-587.
9. Ghadah, Al-K and Hazeem, Al-K, 2014. Medical Image Compression using Wavelet Quadrants of Polynomial Prediction Coding & Bit Plane Slicing. *International Journal of Advanced Research in Computer Science and Software Engineering*, 4(6), 32-36.
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15. Ghadah, Al-K., Salah Al-I. and Maha, A. 2015. A Hybrid Lossy Image Compression based on Wavelet Transform, Polynomial Approximation Model, Bit Plane Slicing and Absolute Moment Block Truncation. *International Journal of Computer Science and Mobile Computing*, 4(6), 954-961.
16. George, L. E., and Ghadah, Al-K. 2015. Image Compression based on Non-Linear Polynomial Prediction Model. *International Journal of Computer Science and Mobile Computing*, 4(8), 91-97.
17. Haidar, R. S., Loay. E. G., and Ghadah, K.T. 2015. Partial Encryption for Colored Images Based on Face Detection. *International Journal of Advanced Research in Computer Science and Software Engineering*, 5(8), 25-35.
18. Ghadah, Al-K. and Haider, Al-M. 2015. Wavelet Transform of Block Based Polynomial Coding for Image Compression. *International Journal of Advanced Research in Computer Science and Software Engineering*, 5(8), 156-160.

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33. Hider, Al-M., Raad, W., and Ghadah, Al-K. 2017. Protecting Recovery Information from Social Engineering Attack. International Journal of Modern Trends in Engineering and Research, 4(8), 36-39.
34. Ghadah, Al-K., and Noor, E. 2017. Medical Image Compression using Hybrid Technique of Wavelet Transformation and Seed Selective Predictive Method. International Journal of Engineering Research and Advanced Technology, 3(9), 1-7.
35. Ghadah, Al-K., Shymaa, F.2017. Image Compression based on Fixed Predictor Multiresolution Thresholding of Linear Polynomial Nearlossless Techniques. Journal of AL-Qadisiyah for computer science and mathematics, 9(2), 35-44.
36. Ghadah, Al-K., 2018. Linear Polynomial Coding with Midtread adaptive Quantizer. Iraqi Journal of Science, 59(1), 585-590.
37. Ghadah, Al-K., and Marwa, B. 2018. Polynomial Color Image Compression. International Journal of Engineering Trends and Technology (IJETT), 61(3), 161-165.
38. Ghadah, Al-K., and Murooj, A.2018. Fixed Predictor Polynomial Coding for Image Compression. International Journal of Engineering Trends and Technology (IJETT), 61(3), 182-189.
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43. Ghadah, Al-K., Abdullah, A., and Uhood Al-H. 2019. Hierarchal Polynomial Coding of Grayscale Lossless Image Compression. International Journal of Computer Science and Mobile Computing, 8(6), 165-171
44. Ghadah, Al-K, and Marwa, B. 2019. Color Image Compression of Inter-Prediction Base. International Journal of Computer Science and Mobile Computing, 7(8), 7-15.
45. Ghadah, Al-K, and Anhar, S. 2019. Medical Image Compression based on Polynomial Coding and Region of Interest. Al-Hussain Bin Talal University Journal of Research, in 2nd conference for Engineering and Sciences, 25-27 Nov. 2018, Turkey, 1,48-59.
46. Ghadah, Al-K, and Haider, Al-M. 2019. Extended Hierarchal Polynomial Coding and Fixed predictor of Lossless Base. International Journal of Research in Computer Applications and Robotics, 7(7),7-13.
47. Haider, Al-M, and Ghadah, Al-K. 2019. Detecting Digital Forgery Using Image Processing in Zero Day Attack. International Journal of Computer Science and Mobile Computing, 8(7), 105-111.
48. Ghadah, Al-K, and Noor, A. 2019. Fourier Transform Coding-based Techniques for Lossless Iris Image Compression. Iraqi Journal of Science, 60(11), 2506-2511.
49. Ghadah, Al-K, and Hawraa, B. 2019. Adaptive Color Image Compression of Hybrid Coding and Inter Differentiation Based Techniques. International Journal of Computer Science and Mobile Computing, 8(11), 65-70.
50. Ghadah, Al-K, and Weqar, M. 2020. Frontal Facial Image Compression of Hybrid Base. International Journal of Software & Hardware Research in Engineering, 8(1), 27-37.
51. Ghadah, Al-K, and Heba, H. 2020. Hierarchical Fixed Prediction of Mixed based for Medical Image Compression. International Journal of Computer Science and Mobile Computing, 9(2), 124-130.
52. Abdullah A., Ghadah AL-Khafaji, and Mohammed M. 2020. Developed JPEG Algorithm Applied in Image Compression. 2nd International Scientific Conference of Al-Ayen University (ISCAU-2020) IOP Conf. Series: Materials

Postgraduate Student Supervision

no	Title	
1	Cartoon Image Retrieval System	MSc. 2013
2	Wavelet based Partial Encryption for Colored Image	MSc. 2013
3	Intra Frame Compression using Adaptive Polynomial Techniques	MSc. 2013
4	Medical Image Compression	Deploma. 2013
5	Adaptive Polynomial Coding for Image Compression	Deploma. 2014
6	Image Compression based on Adaptive Polynomial Coding	Deploma. 2015
7	Autoregressive Modeling for Medical Image Compression	Deploma. 2015
8	The Use of Haar Wavelet and Polynomial Coding for Compressing Grayscale Image	Deploma. 2016
9	Linear Polynomial Coding with Two Stage Multiple Descriptions Scalar Quantizer	Deploma. 2016
10	Medical Image Compression using Hybrid Technique of Wavelet Transform and Seed Selected Predictive Method	Deploma. 2016
11	Hierarchal Polynomial Coding of Grayscale Lossless Image Compression	Deploma. 2017
12	Color Image Compression of Inter prediction Base	Deploma. 2017
13	Selective Polynomial Coding for Image Compression	Deploma. 2017
14	Lossless and Lossy Medical Image Compression based on Region of Interest	Deploma. 2018
15	Fingerprint Database Compression	Deploma. 2018
16	Experimental Study of Compression techniques of Fourier Transform for Biometric Iris Data	Deploma. 2018
17	Energy Efficient Heuristic for Big Data Processing in Iraq	Deploma. 2018
18	Medical Image Compression Technique using Hierarchal Scheme and Prediction Model	Deploma. 2018
19	Facial Image Compression	Deploma. 2018
20	Frontal Facial Image compression of Hybrid Base	Deploma

		2019
21	Lossless Hierarchal Predictive Compression of Medical Images	Deploma 2019
22	Adaptive Color Image Compression of Polynomial based Techniques	Deploma 2019
23	Photo-Passport Compression using Adaptive Techniques	Msc. 2019
24	Polynomial Color Image Compression using Joint and Different Models	Deploma 2020
25	Grayscale Image Compression based on Wavelet Transform and Block Truncation Coding	Deploma 2020
26	Color Image Compression based on adaptive 1-D polynomial Coding	Msc. 2020
27	Lossless Image Compression using Fixed Prediction Scheme	Deploma 2020