



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

CURRICULUM VITAL

Name: Saleh Mahdi Ali

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Specific: Image Processing /Remote Sensing.

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University of Baghdad, College of Science, Dean Assistance / Remote Sensing Research Unit, Al-Jaderiyia, Baghdad, Iraq.

Education :

1967-1969 : [Telecommunication center, Diploma, Network]

1971-1976 [University of Al-Mustansyriah, B.Sc.]

1976-1978 [Univ. of Baghdad, M. Sc.]

Thesis Title: High Resolution Image Formation in Electrostatic Lenses of Electron-Microscope.

1981-1986 [London Univ., Ph.D.]

Thesis Title : Quantitative analysis of information in Electron-Microscope images.

Work Experience :

1969-1978: Tel. Inspector,

1970-1971: Military Service,

1978-1981:Asst.lecturer,Baghdad University, College of Science.

1986-1987: Stuff research, London University, King's College.

1987-1992:Lecturer,Baghdad University, College of Science.

1992-1999:Asst.Prof.,Baghdad University, College of Science.

1999-2007:Prof., Baghdad University, College of Science. Manager of Remote Sensing Research Unit.

2003-2007: Administrative and Scientific Dean's Deputy

2003- Head Deputy of Iraqi's Academic Society.

2004- Head of Preparation's committee for the Election-of the Remote-Sensing-Society .

2005-2007: Secretary member of Iraqi's lecturer association.

Academic service period 32 years.

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السيرة الذاتية

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العنوان

جامعة بغداد- كلية العلوم / مدير وحدة الاستشعار عن بعد / الجادرية - بغداد - العراق.

التعليم

1967-1969 (مركز الاتصالات، دبلوم شبكات خطوط)

1976-1971 (الجامعة-المستصريه-بكالوريوس)

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عنوان الرسالة: تكون صور عالية التحليل في العدسات الكهروستاتيكية للمجهر الإلكتروني.

1981-1986 (جامعة لندن - دكتوراه)

عنوان الرسالة: التحليل الكمي و النوعي لمعلومات الصور الرقمية للمجهر الإلكتروني

الخبرة العملية

1969-1978 مفتش هاتف (دائرة البرق و الهاتف)

1970-1971 خدمة عسكرية إلزامية.

1978-1981 مدرس مساعد-جامعة بغداد- كلية العلوم.

1986-1987 باحث علمي - جامعة لندن - كلية الملك.

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1992-1999 أستاذ مساعد - جامعة بغداد-كلية العلوم.

1999-2007 أستاذ، كلية العلوم جامعة بغداد. مدير وحدة الاستشعار عن بعد البحثية

2003-2005 المساعد الإداري والعلمي لعميد الكلية.

2003- نائب رئيس جمعية الأكاديميين العراقية.

2004- رئيس اللجنة التحضيرية لانتخابات جمعية التحسس النائي.

2005-2007 عضو مجلس أمناء رابطة التدريسيين العراقيين.

عدد سنوات الخدمة الجامعية (32 عام) و الخدمة الفعلية في دوائر الدولة (41 عام).

Publications:

المنشورة

عناوين البحوث

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13. L.A.Al-Ani, S.M.Ali, and L.S.Al-Ali, "Principal component analysis for TM landsat data for Ramadi scene (west of Iraq)," Proceeding of the 1st Scientific Conference, Vol. 1, pp. 155-166, Saddam University, 1997.
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44. S.M. Ali, and K.A. Al-Phalahi, "Face Recognition Technique based on Eigenfaces Method," Scientific Conference of the College of Science, University of Baghdad, 24-26 March 2009.
45. S.M. Ali, A.S. Mahdi, and G.S. Hadi, "Satellite Image De-Noiseing based on least square filtering," Scientific Conference of the College of Science, University of Baghdad, 24-26 March 2009.
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Published Books:

أسماء الكتب المؤلفة

Three computer-programming books for distinguished student schools. ثلاث كتب لمدارس المتميزين لمبادئ علم الحاسوب

Supervision:

الإشراف على رسائل طلبة الدراسات العليا

M.Sc. Thesis

رسائل الماجستير

1. A.A.Al-Ani, "Simulation program to study the effects of atmospheric turbulence and optical defects on astronomical images," M.Sc. thesis, Univ. Baghdad, College of Science, (1991). أياد العاني
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3. M.S.Al-Rawi, "An automatic technique for matching stereo images," M.Sc. thesis, Univ. Baghdad, College of Science, (1992). محمد صادق الراوي
4. A.A.Al-Zaki, " Cosine transform for image data compression ," M.Sc thesis, Univ. Baghdad, College of Science, (1993). علي عبد داود الزكي
5. G.H. Mohammed, "Fast adaptive technique for image coding," M.Sc. thesis, Univ. Baghdad, College of Science, (1994). غفران حسين محمد
6. K.I. Hasson, "Transform image coding based on classified edges," M.Sc. thesis, Univ. Baghdad, College of Science, (1994). خالد إبراهيم حسون
7. K.M. Al-Hity, " Region Matching method based on extracting the interior of bounded areas," M.Sc. thesis, Univ. Baghdad, College of Science, (1995). قاسم محمد الهيتي
8. S.H.Ali, " Image restoration by linear filters," M.Sc. thesis, Univ. Baghdad, College of Science, (1995). سنان حسن علي
9. H.M.Ali, " An adaptive hybrid compression technique based on DCT method," M.Sc. thesis, Univ. Baghdad, College of Science, (1995). حسن محمد علي
10. F.E.Ali, "Linear motion restoration techniques," M.Sc. thesis, Univ. Baghdad, College of Science, (1995). فاطمة أسماعيل علي
11. B.S.Esmail, "Image enhancement by linear and nonlinear filters," M.Sc. thesis, Univ. Baghdad, College of Science, (1996). بان صباح أسماعيل
12. E.F. Khanger, "An adaptive non-linear method for image restoration," M.Sc. thesis, Univ. Baghdad, College of Science, (1997). إيتسام فاضل خنجر
13. B.A. Abas, "Aerial Image regions classification, using texture co-occurrence matrix technique," M.Sc. thesis, Univ. Baghdad, College of Science, (1997). بان عبدالرزاق عباس

14. M.S. Al-Zewary, "Computer processing techniques for fingerprint images identification," M.Sc. thesis, Univ. Baghdad, College of Science, (1997). مازن شاكر الزبوري
15. T.S. Alsamraai, "Adaptive JPEG Method for Image Data Compression," M.Sc. thesis, Univ. Al-Mustanceria, College of Science, (1998). طيف سامي السامرائي
16. A. Abid-Al-Hussain, "Image reconstruction from their Fan-and-Parallel projections," Univ. Baghdad, College of Girls, (1999). آمال عبد الحسين
17. M.A. Hammeed, "Adaptive block-truncation compression technique, using Vector-quantization method," M.Sc. thesis, Univ. Baghdad, College of Science, (1999). مها أحمد حميد
18. W.K. Shams, "KL-Transform for image classification and coding," M.Sc. thesis, Univ. Baghdad, College of Science, (1999). وفاء خزعل شمس
19. H.H. Rasak, "Fractal Image data compression method," M.Sc. thesis, Univ. Al-Mustanceria, College of Science, (2000). حيدر حميد رزاق
20. I.J. Muhsain, "Gabor Filters for image segmentation," M.Sc. thesis, Univ. Al-Mustanceria, College of Science, (2000). إسراء جميل محسن
21. L.H. Al-Amiri, "SAR Image segmentation techniques," M.Sc. thesis, Univ. Al-Mustanceria, College of Science, (2000). ليلى حسن الأميري
22. H.I. Al-Hashimi, "English characters recognition using co-occurrence and moments criteria," M.Sc. thesis, Univ. Baghdad, College of Science, (2000). هناء الهاشمي
23. S.J.K. Al-Amrri, "Maximum a posteriori filter for restoration speckle images," M.Sc. thesis, Univ. Baghdad, College of Science, (2000). صبا العامري
24. N.M. Abuid, "Adaptive Kalman filter for astronomical image restoration," M.Sc. thesis, Univ. Babylon, College of Science, (2000). نوال محمد عبيد
25. N.K. Kazal, "Discrete Hartley Transform for Medical Image Compression," M.Sc. thesis, Univ. Baghdad, College of Science, (2000). نوال خزعل غزال
26. F.H. Mahmud, "Image data compression using least-square estimating fractal transformation technique," M.Sc. thesis, Univ. Baghdad, College of Science, (2001). فرح حامد محمود
27. M.A.A. Ali, "Image data compression technique using wavelet transform," M.Sc. thesis, Univ. Baghdad, College of Science, (2001). مريم عبدالجبار علي
28. A.T. Abd-Al Ameer, "Image compression using modified block-truncation coding algorithm," M.Sc. thesis, Univ. Baghdad, College of Science, (2001). أحمد طالب عبد الأمير
29. M.M. Hassan, "An adaptive neural technique for image edge detection," M.Sc. thesis, Univ. Baghdad, College of Science, (2001). مختار محمد حسن
30. R.I.H. Al-Fartossy, "Automatic computer technique for personal signature verification," M.Sc. thesis, Univ. Baghdad, College of Science, (2001). رسول إبراهيم الفرطوسي
31. W.J. Hamad, "Resampling and restoration of astronomical images using one pass cubic convolution," M.Sc. thesis, Univ. Babylon, College of Science, (2001). وسناء جميل حمد
32. Y.C.B. Mobarak, "Verification of Arabic handwriting phrases," M.Sc. thesis, Univ. Baghdad, College of Science, (2002). ياسر مبارك
33. K.I.K. Al-Obaidy, "Supervised and unsupervised satellite image classification techniques based on wavelet transform," M.Sc. thesis, Univ. Baghdad, College of Education, (2002). خليل إبراهيم العبيدي
34. K.N. Mutter, "Hopfield neural network and genetic algorithm techniques for fingerprint image identification and reconstruction," M.Sc. thesis, Univ. Al-Mustansiriyah, College of Education, (2002). قصي مغيثم مطر
35. Amina Dahim Abud, "Identifying and recognizing ground object using Arial photos," Univ. Baghdad, College of Science, (2003). آمنه داهم عبود
36. Salwa Akeel, "Spatial domain information hiding technique," Univ. Baghdad, College of Science, (2003). سلوى عقيل
37. B. Samie, "Information Hiding technique based on Discrete Cosine Transform method," Univ. Baghdad, College of Science, (2003). بان سامي
38. Intesar Y.K. Al-Khazraji, "Stegnographic Technique Based on Wavelet Transform," Univ. Baghdad, College of Science, (2004). أنتصار الخزرجي
39. Rafah Mohammed, "Fractal Image Compression," Univ. Baghdad, College of Science, (2004). رفاه محمد
40. Loay Talib Abd Al-Hadi, "Image De-noising using Wavelet," Univ. Baghdad, College of Science, (2004). لؤي محمد عبد الهادي
41. A.F. Akeel, "Image Region Classification using TM-thermal Band," Univ. Baghdad, College of Science, (2004). أقبال عقيل
42. Rula Jassim Mohammed Al-Saide, "Adaptive Lossy Arithmetic Coding Method," Univ. Baghdad, College of Science, (2004). رولا جاسم محمد السعيد
43. Fatim Abd-Ali Al-Bayati, "Differentiating White Cells from Microscopic image," Univ. Baghdad, College of Science, (2004). فاتن عبد علي البياتي
44. Khamail Abbas Al-Phalahy, "Fingerprint Recognition system using image processing techniques," Univ. Baghdad, College of Science, (2004). خمائل عباس الفلاح
45. Saif Basher Al-Khoja, "Wavelet Compression using Tree and Adaptive Arithmetic Codes," Univ. Baghdad, College of Science, (2004). سيف بشير الخوجة
46. F. K. Al-Ramahi, "Fingerprints Classification Techniques Based on Discrete Wavelet Transformation (DWT)," MSc thesis, Univ. Al-Mustansiriyah,

- College of Education, Physics Dept., (2005). فواد الرماحي
47. Ali, A.M.I., Al-Kharaz, "Fingerprints Matching Technique using Gabor Filter," M. Sc. Thesis, Univ. Baghdad, College of Science, Dept. of Computer Science (2005). علي الخرجي
 48. Ali, H. Hussein, "Handwritten Identification Technique based on Wavelet Transform," M. Sc. Thesis, Univ. Baghdad, College of Science, Dept. of Computer Science (2006). علي هادي حسين
 49. Geidaa, S. H. Al-Hassany, "Adaptive Techniques for Satellite Image Compression," Baghdad, College of Science, Dept. of Physics (2006). غيداء الحسيني
 50. Nasir A. Aziz, Wavelet Based Texture Recognition of Remotely Sensed Image. ناصر علي عزيز
 51. H.B. Taher, "Adaptive image enhancement technique based on tab 3/5 wavelet transform," Baghdad, College of Science, Dept. of Physics (2006). حازم باقر طاهر
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 53. H.S. Ghanem, "Face recognition and identification method using Eigenfaces," M.Sc. Thesis, Dept. of Physics, College of Science, Univ. of Baghdad, 2010, هبة سعدون غانم

Ph.D. Thesis

رسائل الدكتوراه

54. A.A. Al-Ani, "Restoration of atmospherically degraded images," Ph.D. thesis, Univ. Baghdad, College of Science, (1995). أياد العاني
55. L.A. Al-Ani, "Classification methods for digital satellite images," Ph.D. thesis, Univ. Saddam, (1996). ليث العاني
56. L.A. Jorj, "New coding methods for compressing remotely sensed images," Ph.D. thesis, Univ. Baghdad, College of Science, (1997). لؤي أدور جورج
57. A.A. Al-Zaki, "Quantitative Analysis of Information in Synthetic Aperture Radar (SAR) Images," Ph.D. thesis, Univ. Baghdad, College of Science, (1998). علي عبد داود الزكي
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60. E.F.M. Al-Azawe, "Satellite image processing for GIS applications," Ph.D. thesis, Univ. Baghdad, College of Science, (2001). إيمان فاضل العزاوي
61. M.S.J. Al-Zewary, "Computer system for identification and verification of human being voices," Ph.D. thesis, Univ. Baghdad, College of Science, (2001). مازن شاكر الزبيوري
62. A.M. Abdel-Quader, "Integration of remote sensing and GIS for optimal utilization of water resources in

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63. E.F. Khanger, "Adaptive technique for motion estimating in intra-frame images," Ph.D. thesis, Univ. Baghdad, College of Science, (2003). إيتسام فاضل خنجر
 64. B. Abed-Al-Rasak, "Segmented image coding technique," Ph.D. thesis, Univ. Baghdad, College of Science, (2003). بان عبد الرزاق
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 75. N.K., Gazal, "Producing 3D-Photomaps from Mosaic Aerial Digital Stereo-Images," PhD Thesis, Univ. of Baghdad, College of Science, Dept. of Physics, 2007. نوال خزعل غزال
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