



Noor AbdAlsalamHamedAlsultan

Computer Engineer/Electrical and Electronics Engineer, M. Sc.

Gaziantep University

+964 7702035454, ENG_NOORALSULTAN24@yahoo.com

I. Professional Experience:

June 2009, till October 2013

I worked as a supervisor for the laboratories of the computer Engineering dept. in Al-Hadba' university College, Mosul, Iraq, and I was awarded a certificate.

October 2013, till June 2014

I worked as a supervisor for the laboratories of the computer science dept. in Al-Hadba' university College, Mosul, Iraq, and I was awarded a certificate.

March 2017, till March 2018

I worked as teacher assistant in Computer Engineering dept., and I give the courses: (Computer Architecture -1st class, Computer Networks – 3rd class, Coding theory and Information - 4th class).

March 2018, till September 2019

I worked as teacher assistant computer science dept., and I give the courses (Probability and Variables – 2nd class, Calculus – 2nd class, Digital Signal Processing- 3rd class, Advanced Architecture – 4th class , Computer Networks – 4rd class).



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September 2019, till Now

I worked as teacher assistant computer Techs. Engineering dept., and I give the courses (Information Theory and Coding – 4th class, Digital Electronics – 1st class,).

II. Training List (Before Graduation):

July 2007 - Aug.2007 I was trained at Ninavah Medical College, University of Mosul, Iraq to maintain and repair the Computers.

December 2008 I was take a course in Computer Maintenance with (excellent degree) at Electronic Computing Center, University of Mosul, Iraq, and I was awarded a certificate.

December 2008 - January 2009 I was take a course in Excel with (high excellent degree) at Electronic Computing Center, University of Mosul, Iraq, and I was awarded a certificate.

July 2011 - Aug.2011 was take a course in CCNA Exploration: Network Fundamentals with (good degree) at Faculty of Electronics Engineering, University of Mosul, Iraq, and I was awarded a certificate.

III. Training List (After Graduation):



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المشاركة بدورة طرائق التدريس التأهيلية التي نظمها مركز التعليم المستمر للفترة من 2018/4/22 ولغاية 2018/5/6 واكملت متطلباتها بنجاح, وكذلك اجتياز اختبار صلاحية التدريس .

IV. Post Graduate Studies:

M.Sc in Computer Engineer from Gaziantep University in Gaziantep-Turkey.

This M. Sc includes studying 10 courses which are:

- ✓ Probability and Stochastic Process.
- ✓ Optimization.
- ✓ AD. Microprocessor APP.
- ✓ AD. Mathematics for Eng.
- ✓ Fuzzy system and Control.
- ✓ Digital Image Processing.
- ✓ Selected Topics on Microwave Eng.
- ✓ Special Studies.
- ✓ Digital Signal Processing.
- ✓ Graduate Seminar.

V. Computer Skills:

- ✓ Very good driver of MS Office.
- ✓ Very good in Matlab.
- ✓ Good in Opnet.



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- ✓ Web design
- ✓ Computer Maintenance.

VI. Education Profile:

School: Al-Mutamayizat high school

B.Sc.

University: University of Mosul , Faculty of Electronic Engineering

Graduation Year: 2008

Major: Computer and Information Engineer

Grade: 59.07%.

Graduation Project: Design Network of University Using Opnet Program.

Grade of Project: very good.

Supervisor: Mr. Mohammed Hazim ALgmas.

M.Sc.

University: Gaziantep University, Electrical and Electronics Engineer

Graduation Year: 2017

Major: Computer Engineer

Grade: Grade (out of 100):81.9 , Grade (out of 4.00):3.19

Graduation Project: DEVELOPMENT OF A NEW SPECKLE REDUCTION ALGORITHM FOR MEDICAL ULTRASOUND IMAGES.

Grade of Project: Very good.

Supervisor: Assoc. Prof. Dr. Sema KOÇ KAYHAN.



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VII. Personal Profile:

Name: Noor Abd Alsalam Hamed Alsultan.
Date of Birth: February, 27, 1984.
Nationality: Iraqi.
Current residence: Erbil, Iraq (since February 2017).
Marital Status: Single.
Language: Arabic: Mother Tongue, English: Fluent in speaking & writing.

VIII. Contact Data:

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Email: noornoor30.nn.nn@gmail.com.
Cellular: +964 7702035454.

IX. M.Sc.Thesis:

DEVELOPMENT OF A NEW SPECKLE REDUCTION ALGORITHM FOR MEDICAL ULTRASOUND IMAGES

Among the various medical imaging for clinical diagnostic ultrasound plays a very vital role in clinical diagnosis. Ultrasound images suffer from an intrinsic artifact called speckle. Speckle degrades spatial and contrast resolution and obscures the underlying anatomy. This thesis aims to present an algorithm for suppressing speckle noise from



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medical ultrasound images in the wavelet domain. Wavelet thresholding and Bilateral filtering methods are applied to remove speckle noise from the ultrasound image. In wavelet thresholding algorithm, a suitable wavelet thresholding technique is decided for an effective speckle reduction in transform domain and selected threshold value is applied to the all wavelet coefficients. In this study, we also used Bilateral filter for speckle reduction. To enhance the performance of the the Bilateral Filter, and to preserve the edges, the Bilateral Filter is applied to the all approximation coefficients (LL) and detail coefficients (LH, HL, HH). The performance of the Wavelet thresholding and Wavelet Bilateral filter are compared with the state of the art methods. Experimental results show that Wavelet Bilateral filter exhibits better performance than the other methods. Standard measures like Mean Squared Error (MSE), Structural Similarity Index (SSIM), Peak Signal to Noise Ratio (PSNR) and running time are utilized to quantify the performance of the presented method

X. Conferences:

1. I participated in a conference (International Energy & Engineering Conference) in Gaziantep, Turkey, October 2016.

And I Published My Research (Speckle Reduction By Wavelet Transform and Bilateral Filter In Ultrasound Images) in the Journal of the Conference.

2. المؤتمر العلمي الدولي الأول لجمعية الخوارزمي العراقية – البصرة (اذار 2018) والمشاركة
ببحث:



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(Speckle Reduction By Guided Filter for Medical Ultrasound Images).

3. I participated in a conference (2nd International Conference on Electrical, Communication, Computer, Power, and Control Engineering) (ICECCPCE2019) in Erbil - Mosul, Iraq, February 2019. My Research (Wideband Fractal Circular-Shaped Microstrip Patch Antenna for Recent Wireless Applications) and published in IEEE Journal.

4- المشاركة بالمؤتمر العلمي الدولي الثالث لكلية التربية الاساسية في جامعتي الموصل ودهوك بالتعاون مع مركز نون للبحوث والدراسات المتخصصة حول (تكامل العلوم نحو تحقيق اهداف التعليم) شهر نيسان 2019.

5- المشاركة بتقييم بحث في المؤتمر الدولي الثالث للهندسة المستدامة المقام في الجامعة التقنية الوسطى للفترة 3-4 ايار \ 2020.

6- المشاركة بمؤتمر الجامعة التقنية الشمالية الأول تحت شعار (جودة التعليم التقني والاعتماد المؤسسي والاكاديمي في الجامعات التقنية) بتاريخ 3\12\2020.

7-المشاركة كمقرر جلسة بالمؤتمر العلمي الخامس للبحوث الهندسية والدراسات العليا / الجمعة التقنية الوسطى والمقام للفترة 23-24 كانون الأول \ 2020.

XI. Scientific Seminars:

1- حضور ندوة علمية بعنوان (اسس البحث العلمي والنشر في المجالات العالمية الرصينة) في جامعة الموصل-كلية الصيدلة / فرع الصيدلة السريرية , بتاريخ 3/1/2019.

2- حضور ندوة علمية بعنوان (الواقع المعزز والافتراضي وعلاقته مع العالم الحقيقي) في جامعة الموصل-كلية علوم الحاسوب والرياضيات / قسم علوم الحاسوب بتاريخ 17/12/2018.



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3- حضور ندوة علمية بعنوان (نظام المقررات: ارتقاء بجودة التعليم الجامعي نحو تحقيق الاعتمادية) في جامعة الموصل- كلية علوم الحاسوب والرياضيات/قسم علم الحاسوب بتاريخ 2019/3/18.

XII. Workshops:

- 1- المشاركة بورشة العمل الموسومة (نظام التعليم الالكتروني) المقامة في كلية الحدباء الجامعة بالتعاون مع الجامعة التقنية الشمالية بتاريخ 2019/10/16.
- 2- المشاركة بورشة العمل الموسومة (نظام المقررات) المقامة في كلية الحدباء الجامعة بالتعاون مع الجامعة التقنية الشمالية بتاريخ 2019/10/20.
- 3- المشاركة بورشة العمل الموسومة (التعليم الالكتروني) المقامة في كلية الحدباء الجامعة بتاريخ 2019/12/29.
- 4- المشاركة بالدورة التدريبية للتعليم الالكتروني المقامة من قبل وزارة التعليم العالي والبحث العلمي بالتعاون مع الجامعات الامريكية (IREX) وتم التدريب للفترة من شهر نيسان الى شهر حزيران للعام الدراسي (2020) وحصلت على شهادة تدريب مع درجة الامتياز لاجتياز الدورة التدريبية.
- 5- المشاركة بجميع الورش الالكترونية التي اقامها الفريق الوزاري للتعليم الالكتروني للفترة من شهر شباط ولغاية شهر نيسان للعام الدراسي (2020) والحصول على الشهادات الخاصة بتلك الورش.
- 6- المشاركة بالعديد من الورش الالكترونية والحصول على شهادات المشاركة والبعض منها شهادات دولية للفترة من شهر اذار الى شهر تموز للعام 2020.



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XIII. Published Articles:

- 1- Wideband Fractal Circular-Shaped Microstrip Patch Antenna for Recent Wireless Applications, published in (IEEE) \ May 2020.
- 2- Improve Indoor Localization Based on FFNN with PSO Optimization Algorithm, published in (International Journal of Advanced Science and Technology) \ JULY 2020.

Note:

عملت في اللجنة الامتحانية للاعوام الدراسية (2018-2019-2020)، كما وعملت مسؤولة التعليم الالكتروني عن قسم هندسة تقنيات الحاسوب في كلية الحدباء الجامعة للعام الدراسي 2019-2020.