



السيرة الذاتية Curriculum Vitae



Lecturer. Ibrahim Khalaf Mohammed
Dept.: Systems and Control Engineering
College of Electronics Engineering
Ninevah University

Personal Information:	البيانات الشخصية:
Name : Dr. Ibrahim Khalaf Mohammed	الاسم الرباعي واللقب: د. ابراهيم خلف محمد خلف اللهبي
Date and place of Birth : 27/02/1971- Mosul	تاريخ ومكان الميلاد 1971-02-27
Gender : Male	الجنس: ذكر
Permanent address : Mosul –Alaraby Sector	العنوان الحالي: موصل / حي العربي
First career date : 01 /10 / 1971	تاريخ اول تعيين بالوظيفة: 1991/ 10/ 01
Mob: +9647717288849 , +9647740887818	المنصب الإداري الحالي ان وجد: رئيس قسم هندسة النظم والسيطرة
Nationality: Iraqi	رقم الموبايل : 07740887579
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Academic Qualifications	الشهادات والمؤهلات
Education:	الشهادة:
1- B.Sc. in Electrical Engineering/ Electronic and Communication Engineering / College of Engineering/ Mosul University, 8 Of 50 candidate with total grade of good, 73.849%, on 25 th Jun 1999.	1- بكالوريوس هندسة كهرباء اختصاص هندسة الالكترونىك والاتصالات كلية الهندسة جامعة الموصل 1992 ضمن العشرة الاوائل ويتقدير 73.849
2- M.Sc. in Electrical Engineering/ Electronic Engineering Al-Rasheed College of Engineering/ University of Technology with grade of very good, 85%, on 15 th April 1999.	2- ماجستير هندسة الكترولنيك كلية هندسة الرشيد/ الجامعة التكنولوجية/ بغداد 1999 ويتقدير جيد جدا (85%).
3- PhD. in Control Engineering/ School of Electrical and Electronic Engineering/ Newcastle University/ England on 15 th November 2012.	3- دكتوراه هندسة سيطرة مدرسة الهندسة الكهربائية والالكترونية جامعة نيوكاسل المملكة المتحدة 2012.
Job Title : Asst. Prof.	اللقب العلمي: أستاذ مساعد
Major : Electrical Engineering	التخصص العام: هندسة كهرباء
Specialist : Control Engineering	التخصص الدقيق: هندسة السيطرة



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Languages	اللغات
Arabic: Native or bilingual proficiency	العربية : لغة الام
English:(Reading, Writing, Speaking)	الانكليزية : مستوى متقدم

Computer literacy	مهارات الكمبيوتر
Office Programs : Advance Level (Word , Excel , Outlook and PowerPoint)	برامج الاوفيس مرحلة متقدمة
Engineering specialist platforms : C++ Language, Mutisim and MATLAB	برامج هندسية تخصصية

Academic Experience	الخبرات العلمية
<ul style="list-style-type: none">• During the year 2003, I have worked as a:<ul style="list-style-type: none">❖ Demonstrator in M.Sc. laboratory in field Electronic circuit design.❖ Lecturer in subject of microelectronic and VLSI.in Computer Engineering/ Mosul Technical College of Engineering.• During the year 2004 I have worked as a demonstrator in microcontroller laboratory in Computer Eng. Department/ College of Eng., University of Mosul.• During 2004-2008 I have worked as a<ul style="list-style-type: none">❖ Admonstrator in Electronic and Communication laboratory.❖ Lecturer in the subjects: Mathematics, Engineering Analysis and Measurement Instrumentations in Electronics Engineering College / Ninevah University.• From 2013 until now I have worked as administrator in Electrical Circuits laboratory and a lecturer in Mathematics, Electronic, System Modeling, Optimal Control, and Measurement and Sensors subjects in Electronic and Control Engineering departments/ Electronics Engineering College/ Ninevah University.	<p>القاء محاضرات للمناهج التالية :</p> <ul style="list-style-type: none">• رياضيات• تحليلات هندسية• قياسات و متحسسات• نمذجة النظام• سيطرة مثلى <p>القاء محاضرات بمادة السيطرة الرقمية لطلبة الماجستير في قسم هندسة الالكترونيك</p>



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- In 2021, I work in Electronic Engineering Department as a MSc. Lecturer in Digital Control

ورش العمل والتدريب	Workshops Participation and Trainings
1- القاء محاضرات في ندوه حول اسلوب كتابة عالي الكفاءة للبحوث والاطاريح والكتب باستخدام برنامج ليتركس	1- Presenting a seminar titled ‘ High Qulaity Writing Style for Aricle, Theses and Books Using Latex Software’
2- المشاركة في حلقة دراسية بحثية بعنوان السيطرة والتحسين في التطبيقات الصناعية. اقيمت في جامعة صلاح الدين كلية العلوم قسم الرياضيات للفترة من 19-29 ك2 من قبل منظمة مدراس رياضيات غرب اسيا.	2- Attending a workshop sponsored by West Aisa Mathematical Schools in the subject: Control and Optimization with Indutrial Application held in Sulaimanya University Erbil 19-29 Dec. 2018 By WAMS.

كتب الشكر	Certificate of Appreciation
<ul style="list-style-type: none">كتاب شكر من معالي وزير التعليم العالي عدد 3كتاب شكر من السيد رئيس جامعة نينوى عدد 10كتاب شكر من عميد كلية هندسة الالكترونيات عدد 17كتاب شكر من عميد الكلية التقنية الشمالية عدد 1	<ul style="list-style-type: none">Thankful letter from the higher education ministior (3).Thankful letter from presedient of Ninevah university (10).Thankful letter from dean of electronics engineering college (17).Thankful letter from dean of Mosul technical college (1).

المهن السابقة	Historical Career
<ul style="list-style-type: none">خلال الفترة من 1992-2003 عملت في شركة الكندي العامة في مجال تصميم الدوائر الكترونية والسيطرة ومعالجة الاشارة.	<ul style="list-style-type: none">During the period 1992-2003 I have worked in Al-Kendey Company in the fields: Electronic and control circuits design, microcontroller, and signal processing.
<ul style="list-style-type: none">خلال الاعوام 2005 و 2006 عملت مقرر قسم هندسة الالكترونك في كلية هندسة الالكترونيات جامعة نينوى	<ul style="list-style-type: none">During the years 2005 and 2006 I worked as a deputy of head of Electronic Engineering department /College of Electronics Engineering, University of Ninevah.
<ul style="list-style-type: none">حاليا اشغل منصب رئيس قسم هندسة النظم والسيطرة في كلية هندسة الالكترونيات جامعة نينوى	<ul style="list-style-type: none">Currently, I am head of Systems and Control Engineering Department/ College of Electronics Engineering/ Ninevah University.

النشر	Publications
البحوث المنشورة	(Published papers)
	<ul style="list-style-type: none">I. K. Mohammed, B. S. Sharif, J. A. Neasham,



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and D. Giaouris "Novel MIMO 4-DOF Position Control for Capsule Endoscope" Proc. of the IEEE ISCAS, Rio de Janeiro, Brazil, 909-912 May 2011.

- I. K. Mohammed, B. S. Sharif and J. A. Neasham, "Design and Implementation of 2DOF Control System for Capsule Endoscope," Presented as a poster paper in the 1st conference of Engineering and Science, Iraqi Cultural Attach, London Imperial College, December, 2011.
- I. K. Mohammed, B. S. Sharif and J. A. Neasham, "Design and Implementation of an Efficient Positioning System Based on Coil Sensor for Capsule Endoscope," Presented as a poster paper in Digital Institute Event, Newcastle University, September 2012.
- I. K. Mohammed, B. S. Sharif and J. A. Neasham, "Design and Implementation of a Magnetic Levitation Control System for Robotically Actuated Capsule Endoscopes, Proc. of the IEEE ROSE2012 conference, Germany, November 2012.
- Three conference papers in field of magnetic control system were presented in conferences held in EECE/Newcastle University/UK 2008, 2009 and 2010.
- Ibrahim K. Mohammed, "Design and Simulation of Three-Degrees-of-Freedom Tracking Systems for Capsule Endoscope Implementation," ASME/ Journal of Dynamic Systems, Measurement, and Control, V. 138(11) May, 2016, USA.
- Abdulla I. Abdulla, Ibrahim K. Mohammed and Abdulhammed M. Jasim "Roll Control System Design Using Auto Tuning LQR Technique," International Journal of Engineering and Innovative Technology (IJEIT) V. 7(1) July, 2017, India.
- Ibrahim K. Mohammed and Abdulla I. Abdulla "Design of Optimized Linear Quadratic Regulator Controller for Capsule Endoscopes Based on Artificial Bee Colony Tuning Algorithm," Int. Journal for Engineering Modeling V. 15(3) Jun,



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2018, Croatia.

- Ibrahim K. Mohammed "Fractional Order PID Controller Design for Speed Control DC Motor Based on Artificial Bee Colony Optimization" Int. Journal of Computer Applications, V. 179(24), 2018, USA.
- Ibrahim K. Mohammed and Abdulla I. Abdulla "Elevation, pitch and travel axis stabilization of 3DOF helicopter with hybrid control system by GA-LQR based PID controller," Int. Journal of Electrical and Computer Engineering, V. 10(2) April, 2020, Indonesia.
- Ibrahim K. Mohammed and Abdulla I. Abdulla "Balancing a Segway robot using LQR controller based on genetic and bacteria foraging optimization algorithms," TELKOMNIKA, Telecommnication, Computing, Electronics and Control, V. 18(5) October, 2020, Indonesia.
- Book Chapter: "A hybrid control approach based on the combination of PID control with LQR optimal control" Published in IntechOpen, publishe in Open Access book, "Advance Innovation and Expansion of PID Controllers"