



السيرة الذاتية Curriculum Vitae



Omar Yaseen Ismael

A. Lecturer

*Dept.: Systems and Control Engineering
College of Electronics Engineering
Ninevah University*

Personal Information:	البيانات الشخصية:
Name : Omar Yaseen Ismael	الاسم الرباعي واللقب : عمر ياسين اسماعيل عبدالله الطائي
Date and place of Birth : 23-10-1987/ Mosul	تاريخ ومكان الميلاد : 23-10-1987 / الموصل
Gender : Male	الجنس: ذكر
Permanent address : Mosul, Iraq	العنوان الحالي: موصل \ العراق
First Career date : 26-12-2016	تاريخ اول تعيين بالوظيفة: 2016 / 12 / 26
Mob: +9647704148800	رقم الموبايل : 07704148800
Nationality: Iraqi	الجنسية: عراقية
E-mail : omar.ismael@uoninevah.edu.iq , omar.mechatronics@gmail.com	البريد الالكتروني

Academic Qualifications	الشهادات والمؤهلات
Education:	الشهادة:
1. M.Sc. in Mechatronics Engineering Newcastle University, UK 2013 –2014	1- ماجستير هندسة ميكاترونكس جامعة نيوكاسل, المملكة المتحدة 2013-2014
2. B.Sc. Mechatronics Engineering University of Mosul – Iraq 2006-2010	2- بكالوريوس هندسة ميكاترونكس جامعة الموصل – العراق 2010-2006
Job Title : Assistant Lecturer	اللقب العلمي : مدرس مساعد
Major : Mechatronics Engineering	التخصص العام: هندسة ميكاترونكس

Languages	اللغات
Arabic: Native	العربية : لغة الام
English: Fluent	الانكليزية : التكلم بطلاقة
Kurdish: Basics	الكردية : مبتدئ

Computer literacy	مهارات الكمبيوتر
Engineering specialist software in Measurement and Logging While Drilling for APS Technology Company tools.	البرامج الهندسية المتخصصة المستخدمة في القياسات و التسجيل اثناء الحفر لشركة اي بس اس للتكنولوجيا



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Specialist Software and Programming languages: برامج تخصصية و لغات برمجة مرحلة متقدمة: MATLAB, CoppeliaSim, Windows, Ms Office, AutoCad, Ultiboard, MultiSim, LABVIEW, Matlab Simulink, RobotStudio, Winlog, Programming in Matlab, C, C++, Assembly, and Arduino.

Academic Experience	الخبرات العلمية
<p>Lecturing Experience:</p> <ul style="list-style-type: none">Process Control. (2017 – Present) – Forth Class.Computer Control System. (2018 – Present) – Forth Class.MATLAB Programming. (2017 – 2019) – Second Class.C++ Programming II. (2017 – 2019) – Second Class.	<p>القاء محاضرات للمناهج التالية :</p> <ul style="list-style-type: none">سيطرة العمليات. (2017- الان) – المرحلة الرابعةنظام السيطرة باستخدام الحاسوب. (2018- الان) – المرحلة الرابعةالبرمجة بالماتلاب. (2017- الان) – المرحلة الثانيةالبرمجة بلغة سي بلص بلص 2. (2017- الان) – المرحلة الثانية
<p>Lab Instructor:</p> <ul style="list-style-type: none">MATLAB Programming Lab.C++ Programming II Lab.Process Control Lab.Logic Lab.Optimal Control LabEmbedded systems Lab	<p>الإشراف على المختبرات التالية :</p> <ul style="list-style-type: none">مختبر البرمجة بالماتلاب.مختبر البرمجة بلغة سي بلص بلص 2.مختبر سيطرة العمليات.مختبر المنطقمختبر السيطرة المثلىمختبر الانظمة المدمجة

Industry and Practical Experience	الخبرات العملية
<ul style="list-style-type: none">Acting as Engineer In Charge (EIC) 2016 OiLSERV, Oilfield Service Company, DDS business line, Iraq.Measurement & Logging While Drilling Field Engineer/2011 –2013, 2016 OiLSERV, Oilfield Service Company, DDS business line, Iraq.Specialty Production Services (SPS) Field Engineer 2015 –2016 OiLSERV, Oilfield Service Company, SPM business line, Basrah, Iraq.	

Workshops Participation and Trainings	ورش العمل والتدريب
<p>- محاضر في ورشة عمل السلامة الصناعية المقامة من قبل شعبة التأهيل والتوظيف والمتابعة في جامعة نينوى 2020, 2018</p> <p>Industrial safety Awareness 2018, 2020.</p>	
<p>- ممارسات المختبر التعليمي الجيد 2021</p> <p>Good Laboratory Practices (GLP) 2021</p>	
<p>Introduction to LabVIEW virtual instruments workbench 2019</p>	
<p>Real time data acquisition using LabVIEW interface for Arduino 2019</p>	
<p>Introduction to virtual robot experimentation platform (V-REP) 2020</p>	



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Introduction to PLC and industrial factory simulation 2020

Graphical user Interface (GUI) design for robot control 2020

08.2016: Hydrogen Sulfide Safety (1 day) Rutledge Global Group of Companies, Tawke Field, Zakho, Iraq.
06.2016: H2S Safety Level-2 (1 day) Rutledge Company, Erbil, Iraq.
10.2015: First Aid and CPR Training (1 day) OiLSERV Company, Basrah, Iraq.
09.2015: OSCAR System Training (1 day) OiLSERV Company, Basrah, Iraq.
09.2015: ORBIS System Training (1 day) OiLSERV Company, Basrah, Iraq.
09.2015: H2S / SCBA Safety Training level-2 (1 day) OiLSERV Company, Basrah, Iraq.
09.2015: Lock Out - Tag Out Safety Training level-2 (1 day) OiLSERV Company, Basrah, Iraq.
09.2015: Permit To Work (PTW) Safety Training level-2 (1 day) OiLSERV Company, Basrah, Iraq.
09.2015: Chemicals Handling Safety Training level-2 (1 day) OiLSERV Company, Basrah, Iraq.
09.2015: Working At Height Safety Training level-1 (1 day) OiLSERV Company, Basrah, Iraq.
09.2015: Performing Authority (PA) Control Of Work Training Level-2 (4 days) Rumaila Operating Organisation, Rumaila Academy, Basrah, Iraq.
08.2015: Early Production Facilities (EPF) Site Training (2 weeks) OiLSERV Company, HKN Energy, Duhok, Iraq.
06.2015: Rumaila Safety Training (Safety Foundation) (1 days) Rumaila Operating Organisation, Rumaila Academy, Basrah, Iraq.
05.2015: Safety Awareness Course (2 day) OiLSERV Company, Basrah, Iraq.
04.2015: Water & Waste Water Treatment, Distribution & Pumping Stations Haward Technology Middle East, Basrah, Iraq.
09.2014: LabVIEW Core 1 Course National Instruments, Newcastle Upon Tyne, UK.
10.2013 – 12.2013: In-Sessional English Course INTO Newcastle University, Newcastle Upon Tyne, UK.
06.2013 – 09.2013: Pre-Sessional English Programme INTO Newcastle University, Newcastle Upon Tyne, UK.
06.2012: Drilling Practices Course (3 days) Entrac Petroleum Ltd Consulting & Training, Istanbul, Turkey.
06.2012: OSi Introduction Course (3 days) OiLSERV Company, Istanbul, Turkey.
05.2012: First Aid training (2 days) St John Ambulance, Erbil, Iraq.
05.2012: H2S Alive Course (1 day) ENFORM, Erbil, Iraq.
07.2011 – 05.2013: I got training for different periods from APS Technology Instructors about Gamma sensor, Resistivity sensor, Accelerometer, Magnetometer and how to program WD/LWD Tools APS Technology, Erbil, Iraq.
07.2009: Summer Training on the machines that use for drug production Nineveh Drug Factory (NDI), Nineveh, Iraq.

Publications	النشر
(Published papers) البحوث المنشورة	
<ul style="list-style-type: none">Ismael, O.Y., Qasim, M. and Noaman, M.N., 2021. Equilibrium Optimizer-Based Robust Sliding Mode Control of Magnetic Levitation System. Journal Européen des Systèmes Automatisés, 54(1), pp.131-138.	
<ul style="list-style-type: none">Ismael, O.Y., Qasim, M., Noaman, M.N. and Kurniawan, A., 2020, April. Salp Swarm Algorithm-Based Nonlinear Robust Control of Magnetic Levitation System Using Feedback Linearization Approach. In Proceedings of the 3rd International Conference on Electronics, Communications and Control Engineering (pp. 58-64).	



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- Ismael, O.Y., Almaged, M. and Mahmood, A., 2019. Quantitative Design Analysis of an Electric Scissor Lift. American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS), 59(1), pp.128-141.
- Ismael, Omar Yaseen, and John Hedley. "Development of an Omnidirectional Mobile Robot Using Embedded Color Vision System for Ball Following." American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS) 22.1 (2016): 231-242.
- Ismael, Omar Yaseen, and John Hedley. "Analysis, Design, and Implementation of an Omnidirectional Mobile Robot Platform." American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS) 22.1 (2016): 195-209.
- Aydiki, Adil, Omar Ismael, and Fatih Başçiftçi. "Image De-noising using 2-D Circular-Support Wavelet Transform." American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS) 42.1 (2018): 1-13.

Seminars	الحلقات النقاشية
<ul style="list-style-type: none">• Directional drilling, Ninevah University.• Introduction to Drones, Ninevah University	<ul style="list-style-type: none">• الحفر الموجه, جامعة نينوى• مقدمة حول الطائرات المسييرة

الإشراف على مشاريع التخرج Undergraduate final year projects
<p>الإشراف المشترك على مشاريع التخرج لطلبة المرحلة الرابعة – قسم النظم والسيطرة التالية:</p> <ul style="list-style-type: none">• Analysis, Design, and Implementation of an Omnidirectional Robot 2017-2018• Magnetic Elevation Control by using FOPID and GA 2018-2019• Robot Localization by using cameras and color codes 2018-2019• A Smart Control System of Home Appliances Using Brain Computer Interface (BCI) 2019-2020• Mind Guided Motion Control of a Prosthetics Arm using EEG Signals 2019-2020• Genetic Algorithm-Based Cross Coupled PID Controller for Twin Rotor MIMO System 2020-2021• Design and Implementation of a PLC-Based Automatic Liquid Filling System 2020-2021• PLC-Based Automatic Sorting Process System via Factory I/O Industrial Simulator 2020-2021