

# Mohanad AL-Rekany

## PERSONAL DETAILS

Iraq - Duhok

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## AREAS OF EXPERTISE

*Control Design*

*Programming Languages*

*Gas Power Station*

*Electrical Design*

*AutoCAD*

*Robotics Design*

*Sensors*

*Mechanical Design*

*Mechatronics System*

*Electronics*

## PERSONAL SKILLS

*Time management*

*Leadership*

*Problem Solving*

*IT skills*

## LANGUAGES

*English – Fluent*

*Arabic – Native*

*Kurdish – Proficient*

## HOBBIES

- Reading (book & Scientific Articles)

- Writing Articles.

- Sport (GYM and Fitness)

- Team Work

- Technology NEWS

## PERSONAL SUMMARY

Mohanad N. Noaman obtained his B.S. degree in Mechatronics engineering from Mosul university in 2012. Then, He received the master of Mechatronics engineering in 2016 from Newcastle University, UK. The first of his career was in gas power plant working as a field engineer then he was promoted to a CCR engineer. He is currently an assistant lecturer at the Department of systems and control engineering in Ninevah University. He is a Member of IEEE since 2018. His research interests include robotic systems, control techniques, mechatronics and automation systems

I am constantly thriving to learn new things, yet more importantly aim to improve the workplace and ensure that I leave my mark on it, long after I'm gone.

## ACADEMIC QUALIFICATIONS

Mechatronics Engineer MSc

*Newcastle University 2015 – 2016*

*Newcastle Upon Tyne, UK*

*Grade: Merit*

**Relevant Modules:** Industrial Automation, Robotics and Artificial Intelligence, Distributed Control Systems, Microprocessor Systems, Image Processing and Machine Vision, Mechatronics Design, Robotics, Instrumentation and Drive Systems, Mechanical Power Transmissions, MSc Project: Mechanical and Systems Engineering

Mechatronics Engineer BSc

*University of Mosul 2007 – 2012*

*Rank: 1<sup>st</sup>*

**Relevant Modules:** BSc Mechatronics Project, Robotics, Design of Mechatronics System, Special Topics in Mechatronics, Production Tooling and Automation, Planning Engineering/Project Management, Intelligent Mechatronics, Digital Control Systems, Mobile & Laser Applications, Mechatronics Instrumentation, Theory of machines, Industrial Electronics, Signal Processing, Design of Machine Elements, Microprocessor and Digital Systems, Control systems, Math, Digital Logic Design, Engineering Mechanic II, Electrical Machines, Machine of materials, Thermodynamics, Fluid Mechanics, Electronic Physics, Principle of manufacturing processes.

## COMPUTER KNOWLEDGE:

1. Experience in using Microsoft Office package (**Word, PowerPoint, Excel, Outlook, FrontPage**).
2. Using computer-assisted engineering and design software.
3. Worked on computers maintenance and assembly.
4. Programming languages and applications (**Matlab**) in addition to design apps. (Advances to **AutoCAD**).
5. Practical experience in **Digital Imaging, photography** and **Graphic design**.

## PUBLICATIONS

***Driverless model cars: A review and analysis of autonomous vehicle literature on technology and application***

International Review of Automatic Control

2020 | journal-article

DOI: [10.15866/ireaco.v13i2.18659](https://doi.org/10.15866/ireaco.v13i2.18659)

EID: 2-s2.0-85087365871

Part of ISBN: 25332260 19746059

Source: Scopus – Elsevier

***Salp Swarm Algorithm-Based Nonlinear Robust Control of Magnetic Levitation System Using Feedback Linearization Approach***

ACM International Conference Proceeding Series

2020 | conference-paper

DOI: [10.1145/3396730.3396734](https://doi.org/10.1145/3396730.3396734)

EID: 2-s2.0-85086264218

Source: Scopus - Elsevier

***Iso stress analysis and micro geometry corrections of parallel axis gearbox using dontyne systems gear production suite***

International Journal on Engineering Applications

2020 | journal-article

DOI: [10.15866/irea.v8i5.19420](https://doi.org/10.15866/irea.v8i5.19420)

EID: 2-s2.0-85092695419

Part of ISBN: 25332295 22812881

Source: Scopus – Elsevier

## PEER REVIEW

- **Certificate in recognition for the support in paper review and serving as the reviewer of 2020 5<sup>th</sup> international conference on Robotics and Automation Engineering (ICRAE 2020) held in Singapore during November 20-22, 2020, Conference Committees-2020.**

## WORK EXPERIENCE

***Director of the CDC at Ninevah University  
Mosul – Iraq***

Sep. 2020 - present

***Director of the technology incubation  
Mosul – Iraq***

Sep. 2020 – present

***Assistant Lecturer in Ninevah university.  
Mosul - Iraq***

Feb. 2017-Present

1- Teaching: Robotics, Mechanics engineering and Engineering Drawing  
2- Presenting seminars and workshops.

***Job fair for students in Ninevah University.  
Mosul - Iraq***

Staffing Coordinator

April 2017

***Design day in Ninevah University.  
Mosul – Iraq***

Supervisor and logistics coordinator

***Mass Group Holding Ltd***

Central Control Room (CCR) Engineer

Jan 2017 – Dec 2018

*The International Conference for Students on Applied Engineering ICSAE 2016,  
Newcastle University – United Kingdom*

<http://ieeexplore.ieee.org/xpl/tocresult.jsp?reload=true&isnumber=7810145>

Committee Member

Jan 2016 – Oct 2016

*Newcastle University*

Student Mentor

Sept 2015 – Sept 2016

Student Mentor deliver sessions to either groups of mentees or individuals identified by the schools/colleges involved to help raise their aspiration and attainment levels. Sessions are a mixture of face to face contact in school/college and e-mail communication. Where possible, Mentors work with the same mentees over a period of year.

*INTO Newcastle University*

Student Representative

May 2015 – Sept 2015

*Mass Group Holding Ltd*

Central Control Room (CCR) Engineer

March 2014 – Dec 2014

*Mass Group Holding Ltd.*

Field Engineer

March 2013 – March 2014

## **AWARDS & TRAINING CERTIFICATES**

- **Certificate of Excellence in recognition of my role as member of the organizing committee of The First International Conference for Students on Applied Engineering (ICSAE 2016) signed by Dr. John Appleby (Head of Mechanical School, Newcastle University), Newcastle University – 2016.**
- **Certificate in recognition of being a Peer Mentor 2015-2016 for supporting incoming students through their transition to Newcastle University, Newcastle University – 2016.**
- **MSc in Mechatronics with Merit Award, Newcastle University – 2016.**
- **Certificate of Continuing Professional Development (CPD) for successfully completed the training course in "Effective Tools and Strategies for Enterprises and Project Management", Newcastle, UK – 2016.**
- **Certificate of Continuing Professional Development (CPD) for successfully completed the training course in "Effective Tools and Strategies for Time Management, Tasks Management and Notes Management", Newcastle, UK – 2016.**
- **Certificate of Application in recognition of invaluable role as a member of international conference for students on Applied Engineering signed by Zeyad Yousif Abdoon Al-Shibaany (General Chair of ICSAE 2016), Newcastle, UK – 2016.**
- **Certificate for valuable contributions to Newcastle University and Newcastle University Students' Union as a course Representative for Pre-Sessional English Language PG (Long) signed by Professor Suzanne Cholerton (Pro-Vice-Chancellor), Newcastle University – 2015.**
- **Certificate attendance in recognition of attending the second international conference of the college of Engineering (ICRIE 2017), University of Duhok: Recent innovations in engineering by Professor Jowher Rasheed Mohammed, Duhok University- April 2017.**

## **HONORS:**

- **Honored by the Iraqi Engineers Union and the Governor of Nineveh in recognition of being the 1st among the undergraduate students.**

## **PROJECTS:**

- **MSc Dissertation Title: *Omnidirectional Robot Indoor Localisation by using Two Pixy***

*cameras and Artificial CCs Beacons.*

➤ **BSc Project Title:** *Autonomous lawn mower Robot.*

## **REFERENCES**

**Available Upon Request.**