Mohammed Qasim

PERSONAL DETAILS

Mosul – Nineveh - Iraq

Email:

mohammed.qasim@uoninevah.edu.iq

M: +964 7702051212

AREAS OF EXPERTISE

Control Systems

Programming Languages

Robotics

Mechatronics System

PERSONAL SKILLS

Time management

Leadership

Problem Solving

IT skills

LANGUAGES

English – Fluent

Arabic – Native

HOBBIES

- *Reading (book & Scientific Articles)*

- *Writing Articles.*

- *Sport (GYM and Fitness)*

- *Team Work*

- *Technology NEWS*

PERSONAL SUMMARY

Mohammed Qasim received his B.S. degree in Mechatronics engineering from university of Mosul in 2011. Then, He received the master of Science in Mechatronic Systems Design in 2016 from University of Denver, USA. He is currently an assistant lecturer at the department of systems and control engineering in Ninevah University. His research interests include robotics, control systems, mechatronics and automation.

ACADEMIC QUALIFICATIONS

Mechatronic Systems Design, MSc
University of Denver ***2015 – 2016***
Denver, Colorado, USA
GPA: 3.9
Relevant Modules: Robotics, Advanced Ground Robotics, Adaptive and Optimal control, Nonlinear Control, Networked Control, Linear systems, Advanced Mathematics, Optimization, Mechatronics II, Machine Learning, MSc Thesis

Mechatronics Engineering, BSc
University of Mosul ***2007 – 2011***
Mosul, Nineveh, Iraq
Rank: 1st
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**).
2. Using computer-assisted engineering and design software.
3. Programming languages and applications: **Matlab, C++, Python**.

PUBLICATIONS

Equilibrium Optimizer-Based Robust Sliding Mode Control of Magnetic Levitation System
Journal Européen des Systèmes Automatisés
2021 | journal-paper
DOI: https://doi.org/10.18280/jesa.540115
Source: IIETA

Comparison of controller performance for ugv-landing platform self-leveling
2020 28th Mediterranean Conference on Control and Automation (MED)
2020 | conference-paper
DOI: 10.1109/MED48518.2020.9182837
Source: IEEE

Passivity-based adaptive controller for dynamic self-leveling of a custom-built landing platform on top of a ugv
2020 28th Mediterranean Conference on Control and Automation (MED)
2020 | conference-paper
DOI: 10.1109/MED48518.2020.9182807
Source: IEEE

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
EID: 2-s2.0-85086264218
Source: ACM

Autonomous Collision Avoidance for a Teleoperated UAV Based on a Super-ellipsoidal Potential Function
2016 | MSc Thesis
Source: Digital Commons @ DU

Super-ellipsoidal Potential Function for Autonomous Collision Avoidance of a Teleoperated UAV
2016 | conference-paper
Source: Semantics Scholar

WORK EXPERIENCE

Assistant Lecturer at Ninevah university.
Mosul – Nineveh – Iraq
April-2019 to Present
1- Teaching: Matlab and C++ Programming Language II
2- Presenting seminars and workshops.

Grader at University of Denver.
Denver – Colorado – USA
2016

PROJECTS:

- **MSc Thesis Title:** *Autonomous Collision Avoidance for a Teleoperated UAV Based on a*

Super-ellipsoidal Potential Function.

- **BSc Project Title:** *Cell Phone-Based Mobile Robot Teleoperation Over The Internet*.

REFERENCES

Available Upon Request.