

# Curriculum Vitae



## Personal Details:

Name : Abdulbaset Joma Eljubrani

Date of Birth : April 8-1984

Nationality : Libyan

Martial status : Single

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## Education and Qualifications:

### 1. MSc. in Aeronautical Engineering (June 2023), Average grade 3.22.

Faculty of Engineering University of Tripoli-Libya

**Thesis Title: Quadrotor Helicopter Dynamic Modelling, Simulation, and Control**

**MSc. courses:** Advanced Mathematics, Advanced Numerical analyses, Missile Guidance Systems, Flight Mechanics, Automatic Control (I, II), Autopilot Design, System modeling and simulation, Digital Control System.

### 2. BSc. Aeronautical Engineering (December 2009).

Faculty of Engineering University of Tripoli-Libya

**Thesis Title: Design build and test a low-cost UAV.**

## Computer Skills:

1. Microsoft office (Word, Excel, And PowerPoint)
2. computer drawing (SOLIDWORKS, SketchUp, AutoCAD).
3. Programming by MATLAB/Simulink.

## **List of Publications:**

1. Abdulbaset Eljubrani, Othman Maklouf, Aseel A. Mgig. MEMS Inertial Measurement Unit Calibration Using Low Cost Hardware. December 2022. 2022 IEEE 21st International Conference on Sciences and Techniques of Automatic Control and Computer Engineering (STA).

2. Othman Maklouf, Abdulbaset Eljubrani, Mohamed Ashawesh, Aseel A. Mgig. Implementation of Stabilized Aircraft Control Surface using Inertial Sensors, MATLAB & Arduino. May 2021. 2021 IEEE 1st International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering MI-STA.

3. Othman Maklouf, Abdulbaset Eljubrani, M. Saleh Basha Alkhodari. Performance Evaluation of Proportional Navigation Homing Guidance Law. July 2018 Conference: 5th International Conference on Control Engineering & Information Technology (CEIT-2017).

4. Abdulbaset Eljubrani, Othman Maklouf, Maram Khalafallah. Modelling and Simulation of X-Configuration QUAD-ROTOR. 1st International Conference on Engineering Applications (ICEA'2024). ICEA 2024. Oct 15 – 17, 2024 – Tajoura – LIBYA.

5. Othman Maklouf, Alej Fateh, A Eljubrani. Data Collection, Analysis and Trajectory Determination of A Quadrotor Using Ardu IMU and MATLAB. 8<sup>ème</sup> Conférence Internationale en Automatique & Traitement de Signal (ATS-2019) Proceedings of Engineering and Technology PET. ISSN: 1737-9934