

Qasim Ali

Defence Faculty

College of Aeronautical Engineering

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About

Dr. Qasim Ali is working as Defence Faculty in the College of Aeronautical Engineering. Dr. Qasim Ali has a PhD in Flight Control And Navigation. Dr. Qasim Ali has published 8 research articles & conference papers having a citation count of 68, carried out 2 projects and filed 0 intellectual property.

Qualifications

PhD in Flight Control And Navigation Bayerische Julius-Maximilians-Universität Würzburg , Germany	2011 - 2016
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Experience

Defence Faculty College of Aeronautical Engineering	2022- Present
Defence Faculty College of Aeronautical Engineering	2019 - 2022
Course Instructor NUST, Islamabad , College of Aeronautical Engineering (CAE), Risalpur	2020 - 2020
Deputy Head of Avionics Dept NUST, Islamabad , College of Aeronautical Engineering (CAE), Risalpur	2019 - 2020
DS (Research) National Defence University, Islamabad , Air War College, Karachi	2018 - 2019
Asstt Prof NUST , College of Aeronautical Engineering (CAE), Risalpur	2016 - 2017

Awards

Gold Medal Gold Medal in MS (Control Systems) at IAA, Air University, Islamabad.	2012
HEC / DAAD Scholarship HEC / DAAD Scholarship for PhD studies in Germany.	2011
3rd position BE Avionics Third position in BE (Avionics) at CAE Campus of NUST, Risalpur.	1999
1st in BSc Aero Sciences Third position in BSc (Aer Sciences) at PAF Academy, Asghar Khan, Risalpur. Degree awarded by Peshawar University.	1996

Professional Memberships

PEC	Since 2009
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Research Projects

National Projects

Formation Flight Of Drones In Real Time

2021

Funding Agency: IGNITE

Amount: PKR N/A

Status: Completed

Formation Flight of Quadcopters in Real time

2020

Funding Agency: IGNITE

Amount: PKR 70,000.00

Status: Completed

International Projects

Research Articles

Vertical take-off and landing hybrid unmanned aerial vehicles: An overview

2022

Muhammad Rehan M Farooq Bin Akram Aamer Shahzad Taimur Ali Shams Qasim Ali

The Aeronautical Journal , Pages 1-41

Impact Factor: 0.818 | **Quartile:** 4 | **Citations:** 20

DOI: <https://doi.org/10.1017/aer.2022.29>

Recent advances in active fault tolerant flight control systems

2021

Raja Muhammad Sohail Khan Qasim Ali

Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering , Pages 1-11

Impact Factor: 1.056 | **Quartile:** 4 | **Citations:** 11

DOI: <https://doi.org/10.1177/09544100211062812>

Decentralized control for scalable quadcopter formations

2016

Qasim Ali Sergio Montenegro

International Journal of Aerospace Engineering, Volume 2016, Article ID 9108983, 10 pages

Impact Factor: 1.144 | **Quartile:** 3

DOI: DOI 10.1155/9305 and Article ID 9108983

Explicit model following distributed control scheme for formation flying of mini UAVs

2016

Qasim Ali Sergio Montenegro

IEEE Access , Volume 4, Pages 397-406

Impact Factor: 3.244 | **Quartile:** 1 | **Citations:** 37

DOI: 10.1109/ACCESS.2016.2517203

A Matlab implementation of differential GPS for low-cost GPS receivers

2014

Qasim Ali Sergio Montenegro

TransNav-International Journal on Marine Navigation and Safety of Sea Transportation, Volume 8, No. 3, Pages 343-350

Impact Factor: -

DOI: 10.12716/1001.08.03.03

A review on distributed control of cooperating mini UAVs

2014

Qasim Ali Nils Gageik Sergio Montenegro

International Journal of Artificial Intelligence and Applications, Volume 5, No. 4, Pages 1-13

Impact Factor: -

DOI: 10.5121/ijaia.2014.5401

Role of graphs for multi-agents systems and generalization of Euler's formula

2016

Qasim Ali Sergio Montenegro

IEEE 8th International Conference on Intelligent Systems (IS) , res.country(22,)

Citations: N/A

DOI: 10.1109/IS.2016.7737421

A simple approach to quadrocopter formation flying test setup for education and development

2015

Qasim Ali Sergio Montenegro

9th International Technology, Education and Development Conference , res.country(68,)

Citations: N/A

DOI: <https://opus.bibliothek.uni-wuerzburg.de/frontdoor/index/index/docId/11449>