

Qasim Ali

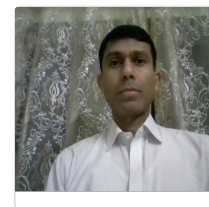
Defence Faculty

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	2011 - 2016
Bayerische Julius-Maximilians-Universität Würzburg , Germany	

Experience

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

Awards

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

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 quadcopter 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>