

Syed Tauqeer UI Islam

Defence Faculty
College of Aeronautical Engineering

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About

Dr. Syed Tauqeer UI Islam is working as Defence Faculty in the College of Aeronautical Engineering. Dr. Syed Tauqeer UI Islam has published 14 research articles & conference papers having a citation count of 261, carried out 2 projects and filed 0 intellectual property.

Qualifications

Experience

Defence Faculty	2024- Present
College of Aeronautical Engineering	
Defence Faculty	2021 - 2021
College of Aeronautical Engineering	
Project Dir	1995 - 2007
AWC , Wah	

Research Projects

National Projects	
Design, Analysis, Development and Ground Testing of Retractable Landing Gear System (RLGS)	2019
Mechanism for a Medium Altitude Long Endurance (MALE) Unmanned Aerial Vehicle (UAV)	
Funding Agency: HEC	
Amount: PKR 1,148,000.00	
Status: Completed	
Design, Analysis, Development and Testing of Titanium/Carbon Metal Matrix Composite Strut for Retractable Landing Gear System (RLGS) for a Medium Altitude Long Endurance (MALE) Unmanned Vehicle (UAV) to be developed Indigenously in Pakistan	2019
Funding Agency: HEC	
Amount: PKR 1,129,000.00	
Status: Completed	

International Projects

Research Articles

Control Algorithms, Kalman Estimation and Near Actual Simulation for UAVs: State of Art Perspective	2023
Amir Tahir Imran Mir Tauqeer UI Islam	
Drones , Volume 7(6), Article Number 339	
Impact Factor: 5.532 Quartile: 2 Citations: 10	
DOI: https://doi.org/10.3390/drones7060339	
A Review of UAV Platforms for Autonomous Applications: Comprehensive Analysis and Future Directions	2023
Muhammad Amir Tahir Imran Mir Syed Tauqeer UI Islam	
IEEE Access , Volume: 11, Page(s):52540-52554	
Impact Factor: 3.9 Quartile: 2 Citations: 19	
DOI: 10.1109/ACCESS.2023.3273780	
A Centralized Strategy for Multi-Agent Exploration	2022
Faiza Gul Adnan Mir Imran Mir Suleman Mir Tauqeer ul islam Laith Abu Aligah Agostino Forestiero	
IEEE Access , Volume: 10, Page(s): 126871-126884, INSPEC Accession Number: 22364231	

Impact Factor: 3.476 Quartile: 2 Citations: 48 DOI: 10.1109/ACCESS.2022.3218653	
Selection Methodology of Composite Material for Retractable Main Landing Gear Strut of a Lightweight Aircraft <i>Muhammad Ayaz Ahmad Hamza Rafiq Syed Irtiza Ali Shah Sabih Ahmad Khan Syed Tauqeer ul Islam Rizvi Taimur Ali Shams Applied Sciences</i> , Volume 12, Issue 11, Article Number 5689 Impact Factor: 2.838 Quartile: 2 Citations: 4 DOI: https://doi.org/10.3390/app12115689	2022
Novel Implementation of Multi-Robot Space Exploration Utilizing Coordinated Multi-Robot Exploration and Frequency Modified Whale Optimization Algorithm <i>Faiza Gul Imran Mir Wan Rahiman Syed Tauqeer Ul Islam IEEE Access</i> , Volume 9, Pages 22774-22787 Impact Factor: 3.476 Quartile: 2 Citations: 69 DOI: 10.1109/ACCESS.2021.3055852	2021
A semi-analytical approach for flutter analysis of a high-aspect-ratio wing <i>Muhammad Khizer Ali Khan Rana Fahad Latif Ali Javed Syed Irtiza Ali Shah Syed Tauqeer Ul Islam Rizvi Aeronautical Journal</i> , Volume 125, Issue 1284, Pages 410-429 Impact Factor: 1.222 Quartile: 4 Citations: 8 DOI: https://doi.org/10.1017/aer.2020.71	2021
Comprehensive design of an oleo-pneumatic nose landing gear strut <i>Muhammad Ayaz Ahmad Syed Irtiza Ali Shah Taimur Ali Shams Ali Javed Syed Tauqeer ul Islam Rizvi Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , Pages 1-18 Impact Factor: 1.056 Quartile: 4 Citations: 9 DOI: DOI: 10.1177/0954410020979378	2020
Design and fabrication of solar thermal energy storage system using potash alum as a pcm <i>Muhammad Suleman Malik Naveed Iftikhar Abdul Wadood Muhammad Omer Khan Muhammad Usman Asghar Shahbaz Khan Tahir Khurshaid Ki-Chai Kim Zabdur Rehman Syed Tauqeer Ul Islam Energies</i> , Volume 13, Issue 23, Article Number 6169 Impact Factor: 3.004 Quartile: 3 Citations: 22 DOI: doi.org/10.3390/en13236169	2020
Integrated CLOS and PN guidance for increased effectiveness of surface to air missiles <i>Binte Fatima Tuz Zahra Syed Tauqeer ul Islam Rizvi Syed Irtiza Ali Shah INCAS Bulletin</i> , Volume 9, Issue 2, Pages 141-156 Impact Factor: N/A Citations: 4 DOI: 10.13111/2066-8201.2017.9.2.11	2017
Trajectory optimisation for a rocket-assisted hypersonic boost-glide vehicle <i>Xu Dajun He LinShu Syed Irtiza Ali Shah Syed Tauqeer Ul Islam Aeronautical Journal</i> , Volume 121, Issue 1238, Pages 469-487 Impact Factor: 0.696 Quartile: 4 Citations: 12 DOI: doi.org/10.1017/aer.2017.11	2017
Optimal trajectory and heat load analysis of different shape lifting reentry vehicles for medium range application <i>Syed Tauqeer Ul Islam Lin-shu HE Da-jun XU Defence Technology</i> , Volume 11, Issue 4, Pages 350-361 Impact Factor: N/A Citations: 26 DOI: 10.1016/j.dt.2015.06.003	2015
Optimal trajectory analysis of hypersonic boost-glide waverider with heat load constraint <i>Xu Dajun He Linshu Syed Tauqeer Ul Islam Aircraft Engineering and Aerospace Technology</i> , Volume 87, Issue 1, Pages 67-78 Impact Factor: 0.474 Quartile: 3 Citations: 30 DOI: 10.1108/AEAT-04-2013-0079	2015

Experimental Investigation of Wing Rock on a Low Aspect Ratio Flying Wing Micro Aerial Vehicle using Pyramidal Balance
Taimur Ali Shams Irtiza Ali Shah Ayaz Ahmad Aamer Shahzad Tauqeer Ul Islam Zahid Mehmood
AIAA SciTech Forum 2023, res.country(233,)
Citations: N/A
DOI: 10.2514/6.2023-0814

2023

Trajectory Optimization Study of a Lifting Body Re-entry Vehicle for Medium to Intermediate Range Applications
Syed Tauqeer Ul Islam He Linshu Tawfiq ur Rehman Amer Farhan Rafique
9th International Conference on Mathematical Problems in Engineering, Aerospace and Sciences, res.country(12,)
Citations: N/A
DOI: 10.1063/1.4765577

2012