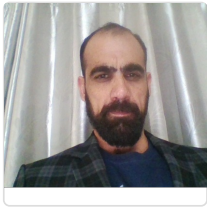


Imran Mir

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About

Dr. Imran Mir is working as Defence Faculty in the College of Aeronautical Engineering. Dr. Imran Mir has a PhD in Flight Controls. Dr. Imran Mir has published 43 research articles & conference papers having a citation count of 1000, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Flight Controls NUST, Islamabad , Pakistan	2014 - 2018
MS in Controls Air University , Pakistan	2009 - 2011
BE in Avionics NUST, Islamabad , Pakistan	1998 - 2002

Experience

Defence Faculty College of Aeronautical Engineering	2023- Present
Defence Faculty College of Aeronautical Engineering	2022 - 2023
Hod PGS & R CAE, NUST , CAE Risalpur	2022 - 2022
Assistant Pressor Air University Aerospace & Aviation Campus Kamra , Air University Kamra , Attock	2019 - 2022
Director APF PAC Kamra , PAC Kamra	2011 - 2014
AD, DD & Director APF PAC Kamra , PAC Kamra	2003 - 2009

Research Articles

A Perspective Analysis on Effects of Varying Inputs on UAV Model Estimation Syeda Kounpal Fatima Manzar Abbas Imran Mir Suleman Mir Faiza Gul Journal of Intelligent and Robotic Systems, Volume 108, Issue 4, Article Number: 71 Impact Factor: 3.3 Quartile: 3 Citations: 2 DOI: https://doi.org/10.1007/s10846-023-01889-0	2023
Multi-Agent Variational Approach for Robotics: A Bio-Inspired Perspective Imran Mir Faiza Gul Suleman Mir Laith Abu Aligah Laith Abu Aligah Raed Abu Zitar Abdelazim G. Hussien Emad Mahrous Awwad Mohamed Sharaf Biomimetics , Volume:08, Issue:03, Article Number:294 Impact Factor: 4.5 Quartile: 1 Citations: 7 DOI: 10.3390/biomimetics8030294	2023
Multi-agent robotics system with whale optimizer as a multi-objective problem Faiza Gul Imran Mir Suleman Mir Laith Abualigah Journal of Ambient Intelligence and Humanized Computing, Volume 14, Pages 9637-9649 Impact Factor: 3.662 Quartile: 2 Citations: 5 DOI: 10.1007/s12652-023-04636-3	2023
Control Algorithms, Kalman Estimation and Near Actual Simulation for UAVs: State of Art Perspective Amir Tahir Imran Mir Tauqeer Ul Islam	2023

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A Review of UAV Platforms for Autonomous Applications: Comprehensive Analysis and Future Directions	2023
<i>Muhammad Amir Tahir Imran Mir Syed Tauqeer Ul Islam</i>	
<i>IEEE Access</i> , Volume: 11, Page(s):52540-52554	
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Flight Dynamics Modeling with Multi-Model Estimation Techniques: A Consolidated Framework	2023
<i>Syed Kounpal Fatima Syed Manzar Abbas Imran mir Faiza Gul Agostino Forestiero</i>	
<i>Journal of Electrical Engineering & Technology</i> , Pages 1-11	
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A Centralized Strategy for Multi-Agent Exploration	2022
<i>Faiza Gul Adnan Mir Imran Mir Suleman Mir Tauqeer ul islam Laith Abu Aligah Agostino Forestiero</i>	
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Robust flight control system design of a fixed wing UAV using optimal dynamic programming	2022
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Implementation of bio-inspired hybrid algorithm with mutation operator for robotic path planning <i>Faiza Gul Imran Mir Deemah Alarabiat Hamzeh Mohammad Alabool Laith Abualigah Suleman Mir</i> <i>Journal of Parallel and Distributed Computing</i> , Volume 169, Pages 171-184 Impact Factor: 4.542 Quartile: 1 Citations: 50 DOI: https://doi.org/10.1016/j.jpdc.2022.06.014	2021
A stability perspective of bioinspired unmanned aerial vehicles performing optimal dynamic soaring <i>Adnan Maqsood Imran Mir Sameh A Eisa Haithem Taha Suhail Akhtar Tauqeer UI Islam</i> <i>Bioinspiration & Biomimetics</i> , Volume 16, Article Number 066010 Impact Factor: 2.956 Quartile: 2 Citations: 34 DOI: https://doi.org/10.1088/1748-3190/ac1918	2021
Multi-Robot Space Exploration: An Augmented Arithmetic Approach <i>Faiza Gul Imran Mir Laith Abualigah Putra Sumari</i> <i>IEEE Access</i> , Volume 9, Pages 107738-107750 Impact Factor: 3.476 Quartile: 2 Citations: 55 DOI: 10.1109/ACCESS.2021.3101210	2021
Deep Reinforcement Learning for Integrated Non-Linear Control of Autonomous UAVs <i>Faiza Gul Adnan Fayyaz ud Din Imran Mir Suleman Mir Nasir Saeed Turke Althobaiti Syed Manzar Abbas Laith Abualigah</i> <i>Processes</i> , Volume 10, Issue 7, Article Number 1307 Impact Factor: 3.352 Quartile: 2 Citations: 31 DOI: https://doi.org/10.3390/pr10071307	2021
Meta-heuristic approach for solving multi-objective path planning for autonomous guided robot using PSO–GWO optimization algorithm with evolutionary programming <i>Faiza Gul Wan Rahiman S. S. N Alhady Ahmad Ali Imran Mir Abdul Jalil</i> <i>Journal of Ambient Intelligence and Humanized Computing</i> , Volume 12, Pages 7873-7890 Impact Factor: 3.662 Quartile: 2 Citations: 116 DOI: https://doi.org/10.1007/s12652-020-02514-w	2021
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2018

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2023

Ali Abbas Imran mir Manzar Abbas Faiza Gul

AIAA SCITECH 2023 Forum , res.country(233,)

Citations: N/A

DOI: <https://doi.org/10.2514/6.2023-1626>

Non-linear Intelligent Control Design for Unconventional Unmanned Aerial Vehicle

2023

Adnan Fayyaz ud din Imran mir Faiza Gul Suleman Mir

AIAA SCITECH 2023 Forum , res.country(233,)

Citations: N/A

DOI: <https://doi.org/10.2514/6.2023-1071>

A Comprehensive Flight Data Based Model Prediction : Perspective Analysis and Comparison

2023

Kounpal Fatima Manzar Abbas Imran mir Faiza Gul Suleman Mir

AIAA SCITECH 2023 Forum , res.country(233,)

Citations: N/A

DOI: <https://doi.org/10.2514/6.2023-2237>

Efficient Environment Exploration for Multi Agents: A Novel Framework

2023

Faiza Gul Imran mir Suleman Mir

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Citations: N/A

DOI: <https://doi.org/10.2514/6.2023-1088>

Development of Intelligent Control Strategy for an Unconventional UAV: A Novel Approach

2023

Adnan Fayyaz ud din Imran mir Faiza Gul Suhail Akhtar Suleman Mir

AIAA SCITECH 2023 Forum , res.country(233,)

Citations: N/A

DOI: <https://doi.org/10.2514/6.2023-1074>

Reinforced Whale Optimizer for Ground Robotics : A Hybrid Framework

2023

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Citations: N/A

DOI: 10.2514/6.2023-1601

Data Based Dynamic Modeling and Model Prediction of Unmanned Aerial Vehicle: A Parametric Sweep of Input Conditions

2023

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Citations: N/A

DOI: 10.2514/6.2023-1682

Design, Performance-Based Optimization (PBO), and Actual Development of Unmanned High-Speed Aerial Vehicle

2023

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AIAA SCITECH 2023 Forum , res.country(233,)

Citations: N/A

DOI: 10.2514/6.2023-1626

Contraction Analysis of Dynamic Soaring

2022

Imran Mir Sameh A Eisa Adnan Maqsood Faiza Gul Suleman Mir

<i>AIAA Science and Technology Forum and Exposition, AIAA SciTech Forum 2022, res.country(233,)</i>	
Citations: N/A	
DOI: 10.2514/6.2022-0881	
On the Stability of Dynamic Soaring: Floquet-based Investigation	2022
<i>Imran Mir Sameh A Eisa Haithem E Taha Faiza Gul Suleman Mir</i>	
<i>AIAA Science and Technology Forum and Exposition, AIAA SciTech Forum 2022, res.country(233,)</i>	
Citations: N/A	
DOI: 10.2514/6.2022-0882	
Coordinated Multi-Robot Exploration: Hybrid Stochastic Optimization Approach	2022
<i>Faiza Gul Suleman Mir Imran Mir</i>	
<i>AIAA Science and Technology Forum and Exposition, AIAA SciTech Forum 2022, res.country(233,)</i>	
Citations: N/A	
DOI: 10.2514/6.2022-1414	
Displaced Phase Center Antenna Processing for Airborne Phased Array Radar	2021
<i>Ahmed Hussain Umar Anjum Babar Ali Channa Waqas Afzal Israar Hussain Imran Mir</i>	
<i>Proceedings of 18th International Bhurban Conference on Applied Sciences and Technologies, IBCAST 2021, res.country(282,)</i>	
Citations: N/A	
DOI: 10.1109/IBCAST51254.2021.9393224	
Target Parameter Estimation in Reduced Dimension STAP for Airborne Phased Array Radar	2020
<i>Ahmed Hussain Israr Hussain Imran Mir Waqas Afzal Umar Anjum Babar Ali Channa</i>	
<i>2020 IEEE 23rd International Multitopic Conference (INMIC), res.country(282,)</i>	
Citations: N/A	
DOI: 10.1109/INMIC50486.2020.9318130	
Soaring energetics for a nature inspired unmanned aerial vehicle	2019
<i>Imran Mir Adnan Maqsood Haithem E Taha Sameh E Eisa</i>	
<i>AIAA Scitech 2019 Forum , res.country(233,)</i>	
Citations: N/A	
DOI: 10.2514/6.2019-1622	
Dynamic Modeling & Stability Analysis of a Generic UAV in Glide Phase	2017
<i>Imran Mir Adnan Maqsood Suhail Akhtar</i>	
<i>International Conference on Mechanical, Material and Aerospace Engineering, 2MAE 2017, res.country(48,)</i>	
Citations: N/A	
DOI: 10.1051/mateconf/201711401007	
Optimization of dynamic soaring maneuvers for a morphing capable UAV	2017
<i>Imran Mir Adnan Maqsood Suhail Akhtar</i>	
<i>AIAA Information Systems-AIAA Infotech at Aerospace, 2017, res.country(233,)</i>	
Citations: N/A	
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Editorial Activities

Drones Reviewed Papers for Journals Impact Factor: 6.38	2023
Drones Editor in Chief of Journal Impact Factor: 6.48	2023
Drones Reviewed Papers for Journals Impact Factor: 6.48	2023
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