

Taimur Ali Shams

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About

Dr. Taimur Ali Shams is working as Defence Faculty in the College of Aeronautical Engineering. Dr. Taimur Ali Shams has a PhD in Aerospace Engineering. Dr. Taimur Ali Shams has published 13 research articles & conference papers having a citation count of 37, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Aerospace Engineering NUST, Islamabad , Pakistan	2018 - 2022
MS in Aerodynamics Air University , Pakistan	2007 - 2010

Experience

Defence Faculty College of Aeronautical Engineering	2022- Present
Defence Faculty College of Aeronautical Engineering	2018 - 2018
Defence Faculty College of Aeronautical Engineering	2015 - 2018
Assoc Professor CAE NUST , H-12 Islamabad NUST	2009 - 2025

Fluid-structure interaction for aerodynamic performance evaluation of flapping wing with passive pitching motion

Syed Baleegh Hussain Aamer Shahzad Muhammad Nafees Mumtaz Qadri Taimur Ali Shams Imran Shah Shuaib Salamat

Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, Pages 1-14

Impact Factor: 2.0 | **Quartile:** 3 | **Citations:** 1

DOI: 10.1177/09544062231225024

2024

Effect of Gurney Flap on the Aerodynamic Performance of a Flapping Foil: Micro-Aerial Vehicle Application

Umer Ali Zuberi Aamer Shahzad Dr Muhammad Nafees Mumtaz Qadri Taimur Ali Shams Fuwang Zhao

Journal of Fluids Engineering, Volume 146, Issue 1, Article Number 011202 (11 pages)

Impact Factor: 2.0 | **Quartile:** 3 | **Citations:** 2

DOI: <https://doi.org/10.1115/1.4063261>

2024

Flight Dynamic Characteristics of Wide-Body Aircraft with Wind Gust and Turbulence

Kashif Mehmood Syed Irtiza Ali Shah Taimur Ali Shams Muhammad Nafees Mumtaz Qadri Tariq Amin Khan David Kukulka

Fluids, Volume 8(12), Article Number 320

Impact Factor: 1.8 | **Quartile:** 3 | **Citations:** 2

DOI: <https://doi.org/10.3390/fluids8120320>

2023

Flow physics of annular and semi-annular fanjet and integration scheme with aircraft wing

Kashif Mehmood Aamer Shahzad Muhammad Nafees Mumtaz Qadri Shuaib Salamat Taimur Ali Shams Jehanzeb Masud

Physics of Fluids, Volume 35, Issue 9, Article Number 097101

Impact Factor: 4.6 | **Quartile:** 1 | **Citations:** 1

DOI: <https://doi.org/10.1063/5.0165058>

2023

Design optimization of bladeless ceiling fan using design of experiments

Kashif Mehmood Dr Aamer Shahzad Dr Farooq bin Akram Dr Taimur Ali Shams Dr M Nafees Mumtaz Qadri Dr Jehanzeb Masud

Journal of Wind Engineering and Industrial Aerodynamics, Volume 233, Article Number: 105313

Impact Factor: 4.437 | **Quartile:** 1 | **Citations:** 2

DOI: 10.1016/j.jweia.2023.105313

2023

Numerical Investigation on the Thrust Vectoring Performance of Bypass Dual Throat Nozzle

Saadia Afridi Tariq Amin Khan Syed Irtiza Ali Shah Taimur Ali Shams Kashif Mehmood Wei Li David Kukulka

Energies, Volume 16, Issue 2, Article Number 594

Impact Factor: 3.252 | **Quartile:** 3 | **Citations:** 8

DOI: <https://doi.org/10.3390/en16020594>

2023

- Experimental Investigation of Wing Rock on a Low Aspect Ratio Flying Wing Micro Aerial Vehicle using Pyramidal Balance** 2023
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
- Computational analysis of low mass moment of inertia flying wing** 2021
Sara Khushbash Ali Taved Taimur Ali shams
18th International Bhurban Conference on Applied Sciences and Technologies, IBCAST, res.country(282,)
Citations: N/A
DOI: 10.1109/IBCAST51254.2021.9393181
- Capability Analysis of Global Hypersonic Wind Tunnel Facilities for Aerothermodynamic Investigations** 2020
Taimur Ali Shams Syed Irtiza Ali Shah Muhammad Ayaz Ahmad
17th International Bhurban Conference on Applied Sciences and Technology (IBCAST), res.country(177,)
Citations: N/A
DOI: 10.1109/IBCAST47879.2020.9044523
- Evaluation of Aerodynamic and Stability Performance Parameters of High Wing Piston Engine Aircraft** 2019
Muhammad Ayaz Sara Khushbash Taimur Ali Shams Syed Irtiza Ali Shah
16th International Bhurban Conference on Applied Sciences and Technology (IBCAST), res.country(177,)
Citations: N/A
DOI: 10.1109/IBCAST.2019.8667193
- Comparative Study of Heat Flux Instrumentation for Hypersonic Ground Test Facilities** 2018
Taimur Ali Shams Syed Irtiza Ali Shah Muhammad Ayaz Ahmad Ali Javed
2018 IEEE 21st International Multi-Topic Conference (INMIC), res.country(177,)
Citations: N/A
DOI: 10.1109/INMIC.2018.8595699
- Study of Low Reynolds Number Aerodynamics for Low Aspect Ratio MAV Wing** 2018
Taimur Ali Shams Syed Irtiza Ali Shah Muhammad Ayaz Ahmad
2018 IEEE 21st International Multi-Topic Conference (INMIC), res.country(177,)
Citations: N/A
DOI: 10.1109/INMIC.2018.8595611