

Taimur Ali Shams

College of Aeronautical Engineering

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About

Dr. Taimur Ali Shams is working as in the College of Aeronautical Engineering. Dr. Taimur Ali Shams has a PhD in Aerospace Engineering. Dr. Taimur Ali Shams has published 12 research articles & conference papers having a citation count of 92, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Aerospace Engineering NUST, Islamabad , Pakistan	2018 - 2022
Post Grad Diploma in Fluid Dynamics NUST, Islamabad , Pakistan	2007 - 2010
Post Grad Diploma in Aerospace Engineering NUST, Islamabad , Pakistan	1996 - 2000

Experience

HoD Research, CAE, NUST CAE, NUST , CAE, NUST	2022 - 2023
PhD Student CAE, NUST , CAE, NUST	2018 - 2022
Assistant Professor CAE, NUST , CAE, NUST	2017 - 2018
Engineering Officer Pakistan Air Force , Masroor, Karachi	2016 - 2017
Assitant Director (Technology) AMF, PAC Kamra , Kamra, Attock	2015 - 2016
Assistant Professor CAE, NUST , CAE, NUST	2012 - 2015
Research Enigneer QinetiQ, UK , United Kingdom	2011 - 2012
Lecturer Aerospace Engineering Department CAE , CAE, NUST	2009 - 2011
MS Student Air University Islamabad , AU Islamabad	2007 - 2009
Aircraft Maintenance Engineer Pakistan Air Force , Islamabad	2000 - 2007

Research Projects

National Projects

Design, Development and Wind Tunnel Testing of a Low Aspect Ratio Wing to Study Rock Phenomenon at Low Reynolds Number for Micro Aerial Vehicle Applications Funding Agency: PSF Amount: PKR 1,818,000.00 Status: Completed	2021
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International Projects

- Numerical analysis of bladeless ceiling fan: An effective alternative to conventional ceiling fan** 2022
Kashif Mehmood Aamer Shahzad Jehanzeb Masud M Farooq Bin Akram Muhammad Nafees Mumtaz Qadri Taimur Ali Shams
Journal of Wind Engineering and Industrial Aerodynamics, Volume 221, Article Number 104905
Impact Factor: 4.8 | **Quartile:** 1 | **Citations:** 6
DOI: 10.1016/j.jweia.2022.104905
- Estimation of Stability Parameters for Wide Body Aircraft Using Computational Techniques** 2021
Muhammad Ahmad Syed Irteza Ali Shah Zukhruf Liaqat Hussain Taimur Ali Shams
Applied Sciences , Volume 11(5), Article Number 2087
Impact Factor: 2.838 | **Quartile:** 2 | **Citations:** 22
DOI: doi.org/10.3390/app11052087
- Comprehensive design of an oleo-pneumatic nose landing gear strut** 2020
Muhammad Ayaz Ahmad Syed Irteza 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 , Pages 1-18
Impact Factor: 1.056 | **Quartile:** 4 | **Citations:** 9
DOI: DOI: 10.1177/0954410020979378
- Selection Methodology of an Electric Actuator for Nose Landing Gear of a Light Weight Aircraft** 2020
Taimur Ali Shams Syed Irtiza Ali Shah Muhammad Ayaz Ahmad Kashif Mehmood Waseem Ahmad Syed Tauqeer ul Islam Rizvi
Applied Sciences , Volume 10(23), Article Number 8730
Impact Factor: 2.679 | **Quartile:** 2 | **Citations:** 3
DOI: https://doi.org/10.3390/app10238730
- Failure analysis of a broken support strut of an aircraft landing gear** 2020
Zahid Mehmood Zahid Mehmood Asad Hameed Taimur Ali Shams Ossama Zubair Ali Javed
Engineering Failure Analysis , Volume 117, Article Number 104847
Impact Factor: 3.114 | **Quartile:** 3 | **Citations:** 21
DOI: https://doi.org/10.1016/j.engfailanal.2020.104847
- Experimental Investigation of Propeller Induced Flow on Flying Wing Micro Aerial Vehicle for Improved 6DOF Modeling** 2020
Taimur Ali Shams Syed Irtiza Ali Shah Aamer Shahzad Ali Javed Kashif Mehmood
IEEE Access , Volume 8, Pages 179626-179647
Impact Factor: 3.367 | **Quartile:** 2 | **Citations:** 10
DOI: https://doi.org/10.1109/ACCESS.2020.3026005
- Airfoil Selection Procedure, Wind Tunnel Experimentation and Implementation of 6DOF Modeling on a Flying Wing Micro Aerial Vehicle** 2020
Taimur Ali Shams Syed Irtiza Ali Shah Ali Javed Syed Hossein Raza Hamdani
Micromachines , Volume 11(6), Article Number 553
Impact Factor: 2.891 | **Quartile:** 2 | **Citations:** 15
DOI: 10.3390/mi11060553
- A stabilized RBF finite difference method for convection dominated flows over meshfree nodes** 2019
Ali Javed Farrukh Mazhar Taimur Ali Shams Muhammad Ayaz Nadeem Hussain
Engineering Analysis with Boundary Elements, Volume 107, Pages 159-167
Impact Factor: 2.884 | **Quartile:** 1 | **Citations:** 5
DOI: https://doi.org/10.1016/j.enganabound.2019.07.008
- Correlation between teaching evaluation and learning** 2018
Abid Ali Khan Kashif Mehmood Taimur Shams Sumaira Khan Muhammad Arif Ashraf
International Journal of Knowledge and Learning, NULL
Impact Factor: 0 | **Citations:** 1
DOI: 10.1504/IJKL.2018.092317

Conference Proceedings

Design, Analysis and Fabrication of Composite Curing Compressive Mold for Aerospace Applications <i>Muhammad Ayaz Ahmad Sabih Ahmad Khan Dr Syed Irtiza Ali Shah Hamza Akbar Khan Taimur Ali Shams</i> <i>Seventh International Conference on Aerospace Science & Engineering (ICASE), res.country(177,)</i> Citations: N/A DOI: pp. 220-227. IEEE, 2021. https://bit.ly/3cBStqv	2021
Design and structural analysis of composite strut for a lightweight aircraft <i>Muhammad Ayaz Ahmad Syed Irteza Ali Shah Taimur Ali Shams Sabih Ahmad Khan Areena Tariq</i> <i>ICAEM 2021 - 2021 International Conference on Applied and Engineering Mathematics, Proceedings, res.country(177,)</i> Citations: N/A DOI: 10.1109/ICAEM53552.2021.9547168	2021
An Overview of Stability and Performance Analysis of Hybrid Vertical Take-off and Landing Unmanned Aerial Vehicle <i>Anas Manzoor Khan Aamer Shahzad Taimur Ali Shams</i> <i>3rd Pak-Turk International Conference on Emerging Technologies in the field of Sciences and Engineering, res.country(177,)</i> Citations: N/A DOI: https://www.giki.edu.pk/PakTurk/ImportantDates	2020

Editorial Activities

The Aeronautical Journal Reviewed Papers for Journals Impact Factor: 1.4	2024
 Reviewed Papers for Journals Impact Factor: 3.9	2024
Royal Society Open Science Reviewed Papers for Journals Impact Factor: 3.66	2024
Nonlinear Dynamics Reviewed Papers for Journals Impact Factor: 5.741	2024
IEEE Access Reviewed Papers for Journals Impact Factor: 3.9	2024