

Asad Hameed

Adjunct Faculty
College of Aeronautical Engineering
Email: asadhameed@cae.nust.edu.pk
Contact: 0923150076
LinkedIn:



About

Dr. Asad Hameed is working as Adjunct Faculty in the College of Aeronautical Engineering. Dr. Asad Hameed has a PhD in Materials. Dr. Asad Hameed has published 14 research articles & conference papers having a citation count of 278, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Materials 2013 - 2016
University of Oxford , United Kingdom

Experience

Adjunct Faculty 2024- Present
College of Aeronautical Engineering

Defence Faculty 2023 - 2023
College of Aeronautical Engineering

Defence Faculty 2016 - 2023
College of Aeronautical Engineering

Engineering officer 2003 - 2022
PAF , E9 Islamabad

Awards

President Gold Medal 2012
Presendents gold medal for standing First in MS (Materials and Surface Engineering) in 2009-11 MS Bacth at SCME/NUST/ Pakistan

Research Articles

Investigation of temperature assisted corrosion failure of an aircraft turbine blade 2025
Asad Hameed Sara Khushbash Asad Mumtaz Haris Ali Khan Aamer Shahzad
Engineering Failure Analysis , Volume:167, Part A, ID:108909,
Impact Factor: 4.4 | Quartile: 1 | Citations: 1
DOI: https://doi.org/10.1016/j.engfailanal.2024.108909

Investigation of failure and development of mitigation techniques of a cracked aircraft wing spar cap 2023
Haris Ali Khan Asad Hameed Armaghan Shahid S Zameer Abbas Sara Khushbash
Engineering Failure Analysis , Volume 147, Article Number 107149
Impact Factor: 4.0 | Quartile: 1 | Citations: 10
DOI: 10.1016/j.engfailanal.2023.107149

Optimization of Carbon Fiber Reinforced Plastic Curing Parameters for Aerospace Application 2022
Fareed Ahmad Mohammed Al Awadh Muhammad Abas Sahar Noor Asad Hameed
Applied Sciences (Switzerland) , Volume 12, Issue 9, Article Number 4307
Impact Factor: 2.679 | Quartile: 2 | Citations: 27
DOI: doi.org/10.3390/app12094307

Development and characterization of a new riveting process for pre-drilled holes hard-to-access aircraft riveted joints 2022
Haris Ali Khan Nafey Zafar Asad Hameed M Farooq Bin Akram Kamran Asim Syed Saad Javaid Abdullah Khan
The International Journal of Advanced Manufacturing Technology, Pages 1-12
Impact Factor: 3.4 | Quartile: 2 | Citations: 8
DOI: 10.1007/s00170-022-09167-3

- Failure analysis of a cracked cylinder block assembly of an aircraft brake system** 2022
Asad Hameed Ali Nawaz Haris Ali Khan M Farooq Akram Zahid Mehmood
Engineering Failure Analysis , Volume 133, Article Number 105948
Impact Factor: 3.114 | **Quartile:** 2 | **Citations:** 6
DOI: <https://doi.org/10.1016/j.engfailanal.2021.105948>
- Roll Bonding Processes: State-of-the-Art and Future Perspectives** 2021
Haris Ali Khan Kamran Asim Farooq Bin Akram Asad Hameed Abdullah Khan Bilal Mansoor
Metals , Volume 11(9), 1344
Impact Factor: 2.351 | **Quartile:** 2 | **Citations:** 46
DOI: <https://doi.org/10.3390/met11091344>
- Multiaxial stress mapping and fatigue failure prediction of aircraft hydraulic pipes** 2021
Zahid Mehmood Asad Hameed Shakeel Safdar Faisal Siddique
Engineering Failure Analysis , Volume 121, Article Number 105168
Impact Factor: 3.634 | **Quartile:** 2 | **Citations:** 20
DOI: <https://doi.org/10.1016/j.engfailanal.2020.105168>
- 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>
- Analysis of premature failure of aircraft hydraulic pipes** 2020
Zahid Mehmood Asad Hameed Ali Javed
Engineering Failure Analysis , Volume 109, Article Number 104356
Impact Factor: 3.114 | **Quartile:** 3 | **Citations:** 37
DOI: <https://doi.org/10.1016/j.engfailanal.2019.104356>
- Upwind skewed radial basis functions (USRBF) for solution of highly convective problems over meshfree nodes** 2019
Ali Javed Ali Asadullah Baig Kamal Djidjeli Aamer Shahzad Asad Hameed
Engineering with Computers , Pages 1–17
Impact Factor: 3.938 | **Quartile:** 1 | **Citations:** 7
DOI: [10.1007/s00366-019-00873-3](https://doi.org/10.1007/s00366-019-00873-3)
- Catalytic growth of multi-walled carbon nanotubes using NiFe₂O₄ nanoparticles and incorporation into epoxy matrix for enhanced mechanical properties** 2016
Hassan Javed Mohammad Islam Nasir Mahmood Amine Achour Asad Hameed Nasrullah Khatri
Journal of Polymer Engineering , Volume 36, Issue 1, Pages 53-64
Impact Factor: 0.658 | **Quartile:** 4 | **Citations:** 21
DOI: [doi:10.1515/polyeng-2015-0137](https://doi.org/10.1515/polyeng-2015-0137)
- Thermal and mechanical properties of carbon nanotube/epoxy nanocomposites reinforced with pristine and functionalized multiwalled carbon nanotubes** 2015
Asad Hameed Mohammad Islam Iftikhar Ahmad Nasir Mahmood Shaukat Saeed Hassan Javed
Polymer Composites , Volume 36, Issue 10, Pages 1891-1898
Impact Factor: 2.004 | **Quartile:** 2 | **Citations:** 70
DOI: [DOI:10.1002/pc.23097](https://doi.org/10.1002/pc.23097)

Conference Proceedings

- Investigation of Temperature Assisted Corrosion Failure of an Aircraft Turbine Blade** 2024
SARA KHUSHBASH Asad hameed ASAD MUMTAZ BHATTI Haris Ali Khan Aamer Shahzad Farooq bin akram
10th International Conference on Engineering Failure Analysis, res.country(88,)
Citations: N/A
DOI: not given yet