

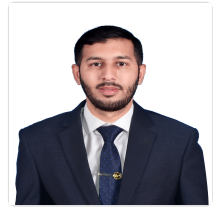
Zahid Ahmad

Defence Faculty

College of Aeronautical Engineering

Email: zahmad@cae.nust.edu.pk

Contact:



About

Dr. Zahid Ahmad is working as Defence Faculty in the College of Aeronautical Engineering. Dr. Zahid Ahmad has published 11 research articles & conference papers having a citation count of 26, carried out 0 projects and filed 0 intellectual property.

Qualifications

MS in Mechanical Engineering

Khalifa University , United Arab Emirates

2016 - 2018

Experience

Defence Faculty

College of Aeronautical Engineering

2022- Present

- Structural health monitoring of shell structures with preexisting cracks** 2025
Ihtisham Khalid Zahid Ahmad Yasir Ali Selda Oterkus Erkan Oterkus
Mechanical Systems and Signal Processing, Volume:231, Article Number 112663
Impact Factor: 7.900 | **Quartile:** 1
DOI: <https://doi.org/10.1016/j.ymssp.2025.112663>
- Structural Health Monitoring of aerospace thin plate and shell structures using the inverse finite element method (iFEM)** 2025
Ihtisham Khalid Zahid Ahmad Selda Oterkus Erkan Oterkus
Thin-Walled Structures, Volume:209, Article Number: 112923, Pages:16
Impact Factor: 5.700 | **Quartile:** 1 | **Citations:** 4
DOI: doi.org/10.1016/j.tws.2025.112923
- Structural Health Monitoring of Thin Shell Structures** 2025
Ihtisham Khalid Zahid Ahmad Faisal Siddiqui Selda Oterkus Erkan Oterkus
International Journal of Mechanical System Dynamics, Pages:20
Impact Factor: 3.4 | **Quartile:** 1 | **Citations:** 1
DOI: <https://doi.org/10.1002/msd2.12141>
- Towards diagnostics of aerospace structural defects using a novel physics-based post-processing scheme employing lock-in thermography** 2025
Zia Ul Islam Haris Ali Khan Zahid Ahmed Qureshi Maheen Khan Abdullah Tariq Butt Talha Ali Khan
Measurement, Volume 241, Article Number 115645
Impact Factor: 5.200 | **Quartile:** 1 | **Citations:** 1
DOI: <https://doi.org/10.1016/j.measurement.2024.115645>
- Structural health monitoring of precracked structures using an in-plane inverse crack-tip element** 2024
Ihtisham Khalid Zahid Ahmad Hafiz Qasim Ali Selda Oterkus Erkan Oterkus
International Journal of Mechanical System Dynamics, Volume:04, Issue:04, Pages: 406-426
Impact Factor: 3.4 | **Quartile:** 1 | **Citations:** 2
DOI: <https://doi.org/10.1002/msd2.12136>
- A quadrilateral inverse plate element for real-time shape-sensing and structural health monitoring of thin plate structures** 2024
Ihtisham Khalid Zahid Ahmed Qureshi Haris Ali Khan Selda Oterkus Erkan Oterkus
Computers and Structures, Volume 305, Article Number 107551
Impact Factor: 4.400 | **Quartile:** 1 | **Citations:** 6
DOI: doi.org/10.1016/j.compstruc.2024.107551
- Design and performance assessment of a triply-periodic-minimal-surface structures-enhanced gallium heat sink for high heat flux dissipation: A numerical study** 2024
Salah Addin Burhan Al-Omari Mohammad Qasem Zahid Ahmed Qureshi Emad Elnajjar Oraib Al-Ketan Rashid Abu Al-Rub
Applied Thermal Engineering, Volume: 257, Part A, Article Number: 124154
Impact Factor: 6.1 | **Quartile:** 1 | **Citations:** 6
DOI: <https://doi.org/10.1016/j.applthermaleng.2024.124154>
- Effect of source-sink misalignment and sink cavity aspect ratio on the thermal performance of gallium heat sinks** 2024
Salah Addin Al-Omari Mohammad Qasem Zahid Ahmad Emad Elnajjar
International Journal of Thermofluids, Volume:24, Article Number: 100952, Pages:24
Impact Factor: N/A
DOI: [10.1016/j.ijft.2024.100952](https://doi.org/10.1016/j.ijft.2024.100952)
- Extrusion-based additive manufacturing of CFRP/steel/CFRP multi-material structure: Process development and influence of heat treatment on the mechanical performance** 2024
Waseem Ahmad Haris Ali Khan Sharjeel Salik Hafiz Qasim Ali Sara Khushbash Zahid Ahmad
Journal of Manufacturing Processes, Volume 124, Pages 891-908
Impact Factor: 6.100 | **Quartile:** 1 | **Citations:** 6
DOI: <https://doi.org/10.1016/j.jmapro.2024.06.017>

Farhad Ali Tariq Amin Khan Zahid Ahmad Qureshi Muhammad Muzafar Wei Li
ASME 2024 Heat Transfer Summer Conference, res.country(233,)

Citations: N/A

DOI: <https://doi.org/10.1115/HT2024-130564>