



Nabi Mehri-Khansari

Assistant Professor

College: Faculty of Mechanical Engineering

Bibliography

Dr. Nabi Mehri-Khansari received his B.Sc. degree in Mechanical engineering from the *Iran University of Science and Technology (IUST)*, Iran. He received the M.Sc. and Ph.D. degree in Aerospace engineering from the University of Tehran. He was admitted by *University of Tehran* in M.Sc. and Ph.D., (acceptance with quotas for talented students). His research fellow was in *NTNU University*, Trondheim, Norway and interest fields cover Damage and Fracture detection, modeling in composite structures considering Machine learning and Deep learning.

Aerial Structural Laboratory (ASL)

reviewer of the journals:

- Mechanics Based Design of Structures and Machines (Taylor & Francis)
- Theoretical and applied Fracture Mechanics (Elsevier)
- Proceedings of the Institution of Mechanical Engineers, Part C (SAGE)
- Frattura ed Integrit  Strutturale (Fracture and Structural Integrity)
- Journal of Computational Applied Mechanics (University of Tehran)
- Engineering Applications of Computational Fluid Mechanics (Taylor & Francis)
- Journal of Solar Energy Research (University of Tehran)
- Engineering Solid Mechanics (Growing Science)
- Journal of Advanced Research in Numerical Heat Transfer
- Journal of Challenges in Nano and Micro Scale Science and Technology
- Journal of Modares Mechanical Engineering
- International Journal of Advanced Design and Manufacturing Technology (ADMT)
- Journal of Space Science, Technology and Applications (JSSTA)
- Journal of Mechanics of Advanced and Smart Materials (MASM)
- Journal of Materials Chemistry and Mechanics (MCAM)

Education			
Degree	Graduated in	Major	University
BSc		Mechanical Engineering	Iranian University of Science and Technology
MSc		Aerospace Engineering	University of Tehran
Ph.D		Aerospace Engineering	University of Tehran

Papers in Conferences

1. امین مقتدر اهر، نبی مهری خوانساری، بررسی اثر پوشش دهی کامپوزیت بر رفتار پره دوار کوادکوپتر با در نظر گرفتن برهمکنش سازه و سیال، بیست و دومین کنفرانس بین‌المللی انجمن هوافضای ایران، ۲۳ ۱۱ ۱۴۰۲
2. نبی مهری، اثر پوشش دهی کامپوزیت بر رفتار آبروالاستیک پره توربین بادی ارشمیدسی، هشتمین کنفرانس انرژی بادی ایران، ۲۳ ۱۱ ۱۴۰۰
3. با در نظر گرفتن پره کامپوزیتی (ASWT) نبی مهری خوانساری، امین مقتدر، بررسی رفتار دینامیکی توربین بادی ماریچ و تحلیل عددی آیرودینامیکی، دومین کاربرد کامپوزیت در صنایع ایران، ۲۳ ۱۱ ۱۳۹۹
4. Effect of Composite Coating on Aeroelastic Assessment of Archimedes Wind Turbine Blade, 4 3 1401, هشتمین کنفرانس انرژی بادی ایران
5. با در نظر (ASWT) نبی مهری خوانساری، هومن رضایی، نوید قریشی، بررسی رفتار دینامیکی توربین بادی ماریچ گرفتن پره کامپوزیتی و تحلیل عددی آیرودینامیکی، دومین کنفرانس کاربرد کامپوزیت در صنایع ایران، 8 8 1399
6. کنفرانس، Image Based Micromechanical Method for Simulation of Damage Zone, نبی مهری خوانساری، دو سالانه بین‌المللی مکانیک جامدات تجربی، 23 11 1398

Papers in Journals

1. Mohammad Beygzade, Majid Safarabadi, Morteza Ataei, & Aazam, Nabi Mehri Khansari, Numerical & Experimental Assessment Of Mixed-Modes (I/II) Fracture Of PMMA/ Hydroxyapatite Nanocomposite, Theoretical and applied fracture mechanics, 2023.
2. Navid ghoreishi, Nabi mehri, Mode (I, II, III) Stress Intensity Factors of Composite-Coated Gas Turbine Blade Using Semi-Elliptical Crack, Iranian Journal of Science and Technology, Transactions of Mechanical Engineering, 2023.
3. Mohammad Beygzade, Majid Safarabadi, Morteza Ataei, & Aazam, Nabi Mehri Khansari, Life cycle estimation of notched polymer base dental composites reinforced with nanoparticles, Journal of Science and Technology of Composites, 2023.
4. Nabi Mehri, MRM Alihar, Mixed-Modes (I/III) Fracture of Aluminum Foam Based on Micromechanics of Damage, International Journal of Damage Mechanics, 2023.
5. Seyed mohammad navid ghoreishi, Nabi Mehri, & Khansari, Houman rezaei 3, Mixed Mode (I/II/III) Stress Intensity Factors in Gas Turbine Blade Considering 3D Semi-elliptical Crack, Journal of Aerospace Science and Technology, 2022.
6. Shahab Shamsirband & Nabi Mehri Khansari, Micro-mechanical damage diagnosis methodologies based on machine learning and deep learning models, Journal of Zhejiang University-SCIENCE A, 2021.
7. Mehdi Ganjani, Majid Safarabadi, Nabi Mehri, & Khansari & Hossein Oruji, Effects of delamination in drilling glass/polyester composite, Frontiers of Structural and Civil Engineering, 2021.
8. Nabi Mehri, Mahdi Fakoor, Probabilistic micromechanical damage model for mixed mode I/II fracture investigation of composite materials, Theoretical and applied fracture mechanics, 2019.
9. Nabi Mehri, Mahdi Fakoor, General Mixed Mode I/II Fracture Criterion for Composite Materials Based on Matrix Fracture Properties, Theoretical and applied fracture mechanics, 2018.
10. Nabi Mehri, Mahdi Fakoor, A New Approach for Investigation of Mode II Fracture Toughness in

Orthotropic Materials, Latin American Journal of Solids and Structures, 2018.

11. Nabi Mehri, Mahdi Fakoor, Navid ghoreishi, Investigation Of Composite Coating Effectiveness On Stress Intensity Factors Of Cracked Composite Pressure Vessels, Journal of Mechanical Science And Technology, 2016.
12. MRM Aliha, Atefeh Mousavi, Nabi Mehri Khansari, Majid Safarabadi, Effects of alumina and hydroxyapatite nanoparticles on fracture toughness of PMMA based dental composite, Journal of Science and Technology of Composites, 2015.
13. Mehri Khansari, N; Berto, Filippo; Karimi, N; Ghoreishi, S.M.N; Fakoor, M; Mokari, M, Development of an optimal process for friction stir welding based on GA-RSM hybrid algorithm, Frattura ed Integrità Strutturale, 2018.
14. Vaziri Sereshk, Mohammad Reza; Araee, Alireza; Farrokhi, Ahmad Reza; Khansari, Nabi Mehri. Design and manufacturing of modified Iosipescu shear test fixture to determine the in layered composite properties. Modares Mechanical Engineering. ۲۰۱۵.
15. Mohammad Hosein Sabour, Mahdi Fakoor, Nabi Mehri Khansari. A model for investigation of damaged zone mechanical properties in crack tip vicinity of orthotropic materials. Modares Mechanical Engineering. ۲۰۱۵.
16. Nabi Mehri, Mahdi Fakoor, Simulation of Orthotropic Damaged Zone Behavior Using Viscoelastic Models, Amirkabir Journal of Mechanical Engineering, 2015.
17. Hossein Sabaghzadeh, Nabi Mehri Khansari, Optimal design of four stage launch vehicle considering multi objective NSGA II algorithm and mass-energetic concepts, Engineering Solid Mechanics, 2022.
18. Majid Safarabadi, N Khansari, Abbas Rezaei. An experimental investigation of HA/AL₂O₃ nanoparticles on mechanical properties of restoration materials. Engineering Solid Mechanics. ۲۰۱۴.
19. Nabi Mehri Khansari, Hamed Danandeh, Shahab Zare, Orthotropic Failure Criteria Based on Machine Learning and Micro-Mechanical Matrix Adapting Coefficient, Mechanics Based Design of Structures and Machines An International Journal, 23 5 2024.
20. Ayad Al , & Rumaithi Nabi Mehri Khansari, Seyed Mohammad Navid Ghoreishi, Effective Constant of Porous Materials Using Micro-Meso Damage Modeling, Challenges in Nano and Micro Scale Science and Technology, 2024.
21. Nabi Mehri Khansari, Hamed Danandeh, Shahab Zare, Orthotropic Failure Criteria Based on Machine Learning and Micro-Mechanical Matrix Adapting Coefficient, Mechanics Based Design of Structures and Machines, 2024.
22. Nabi Mehri, Hadi Ghorbani, Mohammad Golzar, Impregnation Ability and Micromechanical Assessments of Pultruded GL/PP and GL/PA6 Thermoplastic Prepregs, Journal of Aerospace Science and Technology, 2024.
23. Nabi Mehri Khansari, Ahmadsreza Farrokhi, Amir Mosavi, Orthotropic mode II shear test fixture: Iosipescu modification, Engineering Solid Mechanics, 2019.
24. Nabi Mehri, Mahdi Fakoor, Mixed mode I/II fracture criterion for orthotropic materials based on damage zone properties, Engineering Fracture Mechanics, 2016.
25. Mahdi Fakoor, Mohammad Hossein Sabour, Nabi Mehri Khansari, A new approach for investigation of damage zone properties in orthotropic materials, Engineering solid Mechanics, 2014.

Thesis

1. Investigation of interlayer fracture behavior of printed continuous fiber thermoplastic composites using experimental method and statistical damage models
2. Investigation of Fracture Properties of Composite Thermoplast in Combined Mode (I/II) Using Digital Image Correlation Method (DIC)
3. Investigation of Interlayer Fracture of Thermoplastic Composite of Continuous Hot Press Fibers in Combined Mode (I/II) Considering Hardening Mechanisms in Damage Zone

4. Investigation of Parameters Affecting Traction Behavior of Hybrid Joints (Adhesive-Rivets), Metal-Composites
5. Investigation of fracture behavior of dental composites of polymer notched with nano particles
6. The effect of adding nanoparticles on fatigue behavior of dental composites
7. Study of Nanoparticle Reinforced Polymer Based Dental Composites under Fatigue Load
8. Effect of Nano Particles on Impact Behavior in Dental Nanocomposites