دکتر مهسا خرازی

دانشیار

دانشکده: مهندسی مکانیک

سوابق تحصیلی

مقطع تحصیلی	سال اخذ مدرک	رشته و گرایش تحصیلی	دانشگاه
کارشناسی	۱۳۷۹	مهندسی هوافضا	دانشگاه صنعتی امیرکبیر
کارشناسی ارشد	۱۳۸۱	مهندسی هوافضا- سازه های هوایی	دانشگاه صنعتی امیرکبیر
دکتری	۱۳۸۷	مهندسی هوافضا- سازه های هوایی	دانشگاه صنعتی امیرکبیر

اطلاعات استخدامی

محل خدمت	عنوان سمت	نوع استخدام	نوع همکاری	پایه
دانشگاه صنعتی سهند		(تنظیم نشده)	(تنظیم نشده)	

سوابق اجرایی

معاون دانشکده مهندسی مکانیک 1393-1395

مدیر مرکز نوآوری و فناوری دانشگاه 1395-1397

موضوعات تدریس تخصصی

Taught Courses:

Undergraduate:

- Strength of Materials I
- Strength of Materials II
- Mechanical Engineering Design I
- Strength of Material Lab.

- Statics and Strength of Materials

Post-graduate:

- Advanced Mechanics of Materials
- Mechanics of Composite Materials
- Continuum Mechanics
- Continuum Mechanics II
- Plasticity
- Nonlinear Analysis of Plates
- Structural Stability
- Dynamics of Structures
- Numerical Methods
- Finite Element Method
- Advanced Engineering Mathematics
- Nonlinear Finite Element Method
- Advanced Numerical Analysis

مقالات در نشریات

۱. Hamed Mahmoud Soltani , Mahsa Kharazi , Hamid Reza Ovesy،Buckling and Postbuckling Analysis of Composite Laminates with Piezoelectric layers using Layerwise Theory،Modares Mechanical Engineering،۲۰۱۸.

۲. M Kharazi،Study the effect of the incompatible elements on the elastic-plastic و HM Soltani behavior of isotropic plates and beams under axial and bending loading،Modares Mechanical Engineering،۲۰۱۷.

3. Reza Toluei ,& Mahsa Kharazi,The subloading surface model in hyperelastic-based plasticity with time integration algorithms in intermediate and current configurations,International Journal of Non-Linear Mechanics,2024.

4. Reza Toluei ,& Mahsa Kharazi,Implementation of subloading surface model for hyperelastoplasticity with nonlinear kinematic/isotropic hardening based on reference and intermediate configurations,Applied Mathematical Modelling,2023.

5. Hamed Mahmoud Soltani ,& Mahsa Kharazi,Plastic buckling and postbuckling analysis of plates using 3D incompatible and standard elements,Iranian Journal of Science and Technology, Transactions of Mechanical Engineering,2020.

6. Hamed Mahmoud Soltani ,& Mahsa Kharazi,Investigation of the incremental and deformation theories of plasticity on the elastoplastic postbuckling of plates,Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications,2020.

7. M Jafari ,& M Kharazi,Numerical simulation of cyclic behavior of a ductile metal with a coupled damage-plasticity model with several damage deactivation paths,European Journal of Mechanics-A/Solids,2020.

8. F Mohammadzadeh Honarvar et al.,Multi-scale simulation of SU8 and SU8-graphene nanocomposites: Bridging atomistic to macroscale peridynamics,Scientia Iranica,2019.

9. Hossein Pashazad ,& Mahsa Kharazi,A peridynamic plastic model based on von Mises criteria with isotropic, kinematic and mixed hardenings under cyclic loading,International Journal of Mechanical Sciences,2019.

10. Reza Nasirzadeh, Bashir Behjat, Mahsa Kharazi,Finite element study on thermal buckling of functionally graded piezoelectric beams considering inverse effects,Journal of Theoretical and Applied Mechanics,2018.

11. F Mohammadzadeh Honarvar et al.,Molecular dynamics simulation: The effect of graphene

.on the mechanical properties of epoxy based photoresist: SU8,Scientia Iranica,2018
.12 Matin Latifi , , Mahsa Kharazi , Hamid Reza Ovesy,Nonlinear dynamic instability analysis of sandwich beams with integral viscoelastic core using different criteria,Composite .Structures,2018
.13 An Experimental and Numerical Study on Bead Stiffened Composite Panels,Thin-Walled .Structures,2018
.14 Reza Nasirzadeh, Bashir Behjat, Mahsa Kharazi,Investigation of boundary condition effects on the stability of FGP beams in thermal environment,Journal of Theoretical and Applied .Mechanics,2017
.15 Matin Latifi , , Mahsa Kharazi , Hamid Reza Ovesy,Effect of integral viscoelastic core on the nonlinear dynamic behaviour of composite sandwich beams with rectangular cross .sections,International Journal of Mechanical Sciences,2017
.16 Mohammad Shishesaz , Mahsa Kharazi , Parvaneh Hosseini , Mohammad Hosseini,Buckling behavior of composite plates with a pre-central circular delamination defect under in-plane .uniaxial compression,Journal of Computational Applied Mechanics,2017
.17 Nasim Chitsaz , Hamid R Ovesy , Mahsa Kharazi,Buckling and post-buckling analysis of delaminated piezo-composite material under electro-mechanical loading,Journal of Intelligent .Material Systems and Structures,2016
.18 Matin Latifi , , Mahsa Kharazi , Hamid Reza Ovesy,Nonlinear dynamic response of symmetric laminated composite beams under combined in-plane and lateral loadings using full layerwise .theory,Thin-Walled Structures,2016
.19 HR Ovesy , Maysam Naghinejad , Mahsa Kharazi,Delamination growth speed analysis in a compressed composite laminate based on first-order shear deformation theory,Journal of .Composite Materials,2016
.20 Arash Ranjbaran , Mohammad Reza Khoshravan , Mahsa Kharazi,Analysis of buckling of sandwich plates with viscoelastic core using layerwise theory,Applied Mechanics and .Materials,2015
.21 HR Ovesy , M Asghari Mooneghi , M Kharazi,Post-buckling analysis of delaminated composite laminates with multiple through-the-width delaminations using a novel layerwise .theory,Thin-Walled Structures,2015
.22 Arash Ranjbaran , Mohammad Reza Khoshravan , Mahsa Kharazi,Buckling analysis of .sandwich plate using layerwise theory,Journal of Mechanical Science and Technology,2014
.23 Reza Nasirzadeh, Bashir Behjat, Mahsa Kharazi,Journal of Mechanical Science and .Technology,International Journal of Material Science Innovations,2014
.24 M Kharazi, HR Ovesy, M Asghari Mooneghi,Mahsa Kharazi Buckling analysis of delaminated .composite plates using a novel layerwise theory,Thin-Walled Structures,2014
.25 HR Ovesy, M Taghizadeh, M Kharazi,Post-buckling analysis of composite plates containing embedded delaminations with arbitrary shape by using higher order shear deformation .theory,Composite Structures,2012