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Educational Information

Grade	Graduated At	Major	University
BSc	2002	Mechanical Engineering	Sharif University of Technology
MSc	2004	Mechanical Engineering	Iran University of Science and Technology
Ph.D	2011	Mechanical Engineering	Ferdowsi University of Mashhad

Professional Education Subjects

Vibration of continuous systems Theory of plates and shells

Papers in Journals

- 1. Mehdi Raghebi, Narges Motahari, Meisam Mohammadi, Stability analysis of hybrid laminated cylindrical shells reinforced with shape memory fibers, Engineering Analysis with Boundary Elements, Vol. 152, No. 2023, pp. 739-756, 2023.
- 2. Mehdi Raghebi, Tahereh Fanaei Sheikholeslami, Fabrication and Investigation of a Millimeter-Scale Electromagnetic Generator for Large-Amplitude Impact Motions, FME Transactions, Vol. 1, No. 50, pp.64-71, 2022, Scopus.
- 3. Mehdi Raghebi, Investigation of a spherical pendulum electromagnetic generator for harvesting energy from environmental vibrations and optimization using response surface methodology, Energy Conversion and Management, Vol. 1, No. 266, pp. 1-10, 2022, JCR, Scopus.
- 4. Mehdi Raghebi, Seyyed majid Malek Jafarian, Mohammad Reza Bagheri, Numerical study and acoustic analysis of propeller and hull surface vessel in self-propulsion mode, Ships and Offshore Structures, Vol. 11, No. 17, pp. 2488-2497, 2022, ISI, JCR, Scopus.
- 5. Azin Nadi, Mehdi Raghebi, Finite element model of circularly curved Timoshenko beam for in-plane vibration analysis, FME Transactions, Vol. 3, No. 49, pp. 615-626, 2021, Scopus.
- 6. Saeed Rahnama, Fariborz Fatehi Sichani, Mehdi Raghebi, Christof Sommitsch, An investigation on micro-hardness, micro-structure and ductility of clad layer in copper clad aluminum wire under multistage–NCWD, Materials Research Express, Vol. 5, No. 7, pp. 1-19, 2020, ISLJCR Scopus.
- 7. M Nekouei , M Raghebi , M Mohammadi, Free vibration analysis of laminated composite conical shells reinforced with shape memory alloy fibers, Acta Mechanica, Vol. 12, No. 230, pp.4235-4255, 2019.
- 8. M Nekouei , M Raghebi , M Mohammadi, Free vibration analysis of hybrid laminated composite cylindrical shells reinforced with shape memory alloy fibers, Journal of vibration and control, Vol. 26, pp.610-626, 2020.

- 9. Puya Afsharjahanshahi ,Seyed Yousef Ahmadi Brooghani, Mehdi Raghebi, Mohammad Ali karimi,Field Performance of Inlet Liner for Centrifugal Slurry Pump Manufactured by NR/PBR Nanocomposite, Int J Advanced Design and Manufacturing Technology,Vol. 4, No. 11, pp. 107-113, 2018.
- 10. Seyed Yousef Ahmadi Brooghani, Mozafar Afsharjahanshahi, Mehdi Raghebi, Wear patterns in rubber inlet liners, world pumps, Vol. 607, pp. 34-36, 2017.
- 11. M Raghebi, F Fatehi ,& Sichani, S Rahnama, Experimental and numerical investigation on interlayer pressure at bimetallic Copper clad Aluminum wire drawing, Modares Mechanical Engineering, Vol. 1, No. 17, pp. 253-262, 2017, (In Persian).
- M Bagheri, A Bijari, M Imanparast, M Raghebi, Modeling Support Loss in Torsional Mode Vibrations of a Micromechanical Disk Resonator with Two L-Shaped Support Beams, Engineering, Technology & Applied Science Research, Vol. 1, No. 7, pp. 1353-1357, 2016.
- 13. S Rahnama, F Fatehi Sichani, M Raghebi,Investigation of wire drawing parameters on interlayer pressure at Copper clad Aluminum wire,Modares Mechanical Engineering,Vol. 4,No. 16,pp. 99-108, 2016, (In Persian).
- 14. M bagheri , M imanparast , M raghebi, Characterization of micromechanical resonators, sound and vibration, Vol. 9, No. 5, pp. 85-100, 2016., (In Persian).
- 15. M Bagheri, A Bijari, M Raghebi, Calculating the anchor loss quality factor in the plunging-mode vibrations of a micromechanical rectangular-plate resonator with two T-shaped support beams, Modares Mechanical Engineering, Vol. 12, No. 14, pp. 75-84, 2015, (In Persian).
- 16. M Bagheri , A Bijari , M Raghebi, A novel design in the plunging-mode vibrations of a micromechanical rectangular-plate resonator with high quality factor and low spurious modes, Electronics Industries, Vol. 1, No. 6, pp. 79-90, 2015, (In Persian).
- 17. M Raghebi, A Farshidianfar, Comments on "Detection of multiple cracks using frequency measurements" and suggestion for improvement in solution for damage parameters, Engineering Fracture Mechanics, v. 77, pp. 1375-1377, 2010.
- 18. A Farshidianfar, M Hosseinzadeh, M Raghebi, A Novel Way for Crack Detection in Rotors Using Mode Shape Changes, Aerospace Mechanics Journal, Vol. 2, No. 5, pp. 23-37, 2009, (In Persian).
- 19. M Raghebi, A Farshidianfar, Improvement of Multiple Crack Tracking Method in Euler Bernoulli Beam Based on Vibration Measurement, Iranian Journal of Mechanical Engineering Research, Vol.10,No. 1,pp. 134-152, 2008, (In Persian)

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- 1. Fariborz Fatehi, Saeed Rahnama, Mehdi Raghebi, Effect Of Wire Drawing Process Parameters On Micro Hardness Of Copper Coated Aluminum Wire ,The 27th Annual Conference Of The Iranian Society Of Mechanical Engineering, 2019, (In Persian).
- 2. Fariborz Fatehi, Saeed Rahnama, Mehdi Raghebi, Investigation Of The Effect Of Wire Drawing Process Parameters On The Geometrical Properties Of Weld Cavities Of Copper-Coated Aluminum Wire, 27th Annual Conference Of The Iranian Society Of Mechanical Engineering, 2019, (In Persian).
- 3. Ashkan Moradi, Mehdi Raghebi, Bending And Torsional Free Vibration Analysis of Horizontal Curved Beam on Pasternak Foundation, The 27th Annual

Conference of The Iranian Society of Mechanical Engineering, 2019, (In Persian).

- 4. Mojtaba Hadipour, Mehdi Raghebi, Construction of Ball and Beam Control System and Evaluation of Experimental and Numerical Results of PID Controller, 26th Annual Conference of Iranian Society of Mechanical Engineering, 2018, (In Persian).
- 5. Morteza Nekouyi, Mehdi Raghebi, Meysam Mohammadi, Influence of Pre-Strain of SMA on Free Vibrations of Composite Cylindrical Shell Reinforced With SMA Under Different Boundary Conditions, First Conference on Material Behavior Modeling, 2018, (In Persian).
- 6. Hamid Abolhasani, Mehdi Raghebi, Active Control And Response Optimization of Tall Structures to Reduce Oscillations Caused By Base Excitation Using Genetic Algorithm, 9th National Congress Of Civil Engineering, 2016, (In Persian).
- 7. Mehran Safari, Mehdi Raghebi, Saeed Rahnama, Free Vibration Analysis of Composite Conical Shells Using Numerical Method and Spline Approximation Function, Iranian Composite Applications Conference, 2016, (In Persian).
- 8. Majid Bagheri , Mehdi Raghebi , Abolfazl Bijari, Modeling And Calculation Of Relative Damping Quality Factor In Shock-Absorbing Vibrating Micromechanical Disk Resonator With Two T-Shaped Horizontal Beams, 5th International Conference on Acoustics And Vibrations, 2015, (In Persian).
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- 11. Hossein Safi, Mehdi Raghebi, Free Vibration Analysis of Longitudinal And Peripheral Reinforced Cylindrical Shells With Elastic Boundary Condition In Axial Direction, 22nd Annual International Conference On Mechanical Engineering, 2014, (In Persian).
- 12. Azin Nadi & Mehdi Raghebi, The Dynamic Response of Timoshenko Curved Beam to Vertical And Horizontal Moving Loads, 4th National Conference on Earthquakes and Structures, 2013, (In Persian).
- 13. Majid Bagheri, Mehdi Raghebi, Calculation of Natural Frequency and Quality Factor For Restraint Mode In Square Micromechanical Resonator With Two Horizontal Retaining Beams Under Sliding Vibrating Modes, 3rd International Conference on Acoustics And Vibrations, 2013, (In Persian).
- 14. Majid Bagheri, Mehdi Raghebi, Calculation of Quality Factor for Anchorage State In Elliptical Micromechanical Resonator Under Torsional Vibration Modes, 3rd International Conference on Acoustics And Vibrations, 2013, (In Persian).
- 15. A. Farshidianfar, M. Hoseinzadeh, M. Raghebi, Damage Detection Of An Overhang Cracked Shaft By Frequency Analysis, 16th International Congress On Sound And Vibration, Kraków, Poland, 2009.

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