

## SUMMARY

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First name: **Yasin**

Last name: **Heydarpour**

Place of birth: Bushehr

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## WORK EXPERIENCE

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Sep 2012 – Present	Persian Gulf University, <i>Teacher</i>	<b>Bushehr, Bushehr, Iran</b>
Jun 2014 – Present	Member of the Science and Technology Park	<b>Bushehr, Bushehr, Iran</b>
Mar 2015 – Present	Elevator inspector of <i>Iran Standard &amp; Quality Inspection Company (ISQI)</i>	<b>Bushehr, Bushehr, Iran</b>

## EDUCATION

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Aug 2005 - 2009	<b>Persian Gulf University</b> Mechanics (Heat and Fluids), Bachelor (BSc/BA),	<b>Bushehr, Iran</b>
Aug 2009 - 2011	<b>Persian Gulf University</b> MSc in Mechanic-Applied Mechanics, <b>First Rank</b> ,	<b>Bushehr, Iran</b>
Sep 2012 - 2016	<b>Amirkabir University of Technology</b> Ph.D in Mechanic-Applied Mechanics,	<b>Tehran, Iran</b>

## ADMINISTRATION

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**Department of Mechanical Engineering, School of Engineering, Persian Gulf University  
Bushehr, Iran**

## COURSES

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1. Numerical analysis
2. Dynamic
3. Strength of materials 1
4. Static and strength of materials
5. Design of machine components

## IT SKILLS

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### Windows & Office tools

- MS Excel, Word, Power point Advanced

### Non-web programming languages

- Solid Works Intermediate
- Matlab, Visual Fortran Advanced
- Fluent and Gambit Intermediate

## LANGUAGES

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- Persian Main language
- English Working knowledge

## ACADEMIC INTERESTS

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**Lectures:** Statics, Dynamics; Strength of Materials; Numerical analysis; Plates and shells; Advanced Composite Materials; Advanced Numerical Methods; Thermo-elasticity.

**Research:** Vibration analysis; Thermoelastic analysis; Heat transfer analysis; Composite Materials (Functionally graded material and carbon nanotubes); Variable stiffness composite laminate with curvilinear fibers; Numerical solutions (Esp. DQM, FEM, Novel Multi-step method) and computational mechanics.

## PUBLICATION (ISI)

**h-index: 9**

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1. Y. Heydarpour, P. Malekzadeh, M. R. Golbahar Haghighi, M. Vaghefi: **Thermoelastic analysis of rotating laminated functionally graded cylindrical shells using layerwise differential quadrature method**, Acta Mechanica, 2012, 223;81-93. (Q1, IF: 1.694)
2. P. Malekzadeh, S. R. Mohebpour, Y. Heydarpour: **Nonlocal effect on the free vibration of short nanotubes embedded in an elastic medium**, Acta Mechanica, 2012, 223;1341-1350. (Q1, IF: 1.694)
3. P. Malekzadeh, M. R. Golbahar Haghighi, Y. Heydarpour: **Heat transfer analysis of functionally graded hollow cylinders subjected to an axisymmetric moving boundary heat flux**, Numerical Heat Transfer, Part A, 2012, 61;614-632. (Q1, IF: 1.937)
4. P. Malekzadeh, Y. Heydarpour: **Free vibration analysis of rotating functionally graded cylindrical shells in thermal environment**, Composite Structures, 2012, 94;2971-2981. (Q1, IF: 3.853)
5. P. Malekzadeh, Y. Heydarpour: **Response of functionally graded cylindrical shells under moving thermo-mechanical loads**, Thin-Walled Structures, 2012, 58;51-66. (Q1, IF: 2.063)
6. P. Malekzadeh, Y. Heydarpour, M. R. Golbahar Haghighi, M. Vaghefi: **Transient response of rotating laminated functionally graded cylindrical shells in thermal environment**, International Journal of pressure vessels and piping, 2012, 98;43-56. (Q1, IF: 1.432)
7. P. Malekzadeh, Y. Heydarpour: **Free vibration analysis of rotating functionally graded truncated conical shells**, Composite Structures, 2013, 97;176–188. (Q1, IF: 3.853)
8. Y. Heydarpour, P. Malekzadeh, M.M. Aghdam: **Free vibration of functionally graded truncated conical shells under internal pressure**, Meccanica, 2014, 49;267–282. (Q1, IF: 1.828)
9. Y. Heydarpour, M.M. Aghdam P. Malekzadeh: **Free vibration analysis of rotating functionally graded carbon nanotube-reinforced composite truncated conical shells**, Composite Structures, 2014, 117;187–200. (Q1, IF: 3.853)
10. P. Malekzadeh, Y. Heydarpour: **Mixed Navier-layerwise differential quadrature three-dimensional static and free vibration analysis of functionally graded carbon nanotube reinforced composite laminated plates**, Meccanica, 2015, 50:143–167. (Q1, IF: 1.828)
11. Y. Heydarpour, M. M. Aghdam: **A novel hybrid Bézier based multi-step and differential quadrature method for analysis of rotating FG conical shells under thermal shock**, Composites Part B: Engineering, 2016, 97:120-140. (Q1, IF: 3.850)
12. Y. Heydarpour, M. M. Aghdam: **Transient analysis of rotating functionally graded truncated conical shells based on the Lord–Shulman model**, Thin-Walled Structures, 2016, 104:168-184. (Q1, IF: 2.063)

13. Y. Heydarpour, M. M. Aghdam: **A hybrid Bézier based multi-step method and differential quadrature for 3D transient response of variable stiffness composite plates**, Composite Structures, 2016, 154:344-359. (Q1, IF: 3.853)
14. Y. Heydarpour, M. M. Aghdam: **A coupled integral–differential quadrature and B-spline-based multi-step technique for transient analysis of VSCL plates**, Acta Mechanica, 2017, doi:10.1007/s00707-017-1850-3. (Q1, IF: 1.694)
15. Y. Heydarpour, M. M. Aghdam: **Response of VSCL plates under moving load using a mixed integral-differential quadrature and novel NURBS based multi-step method**, Composites Part B: Engineering, 2017, Accepted. (Q1, IF: 3.853)
16. Y. Heydarpour, M. M. Aghdam: **A new multi-step technique based on the NURBS curves for nonlinear transient heat transfer analysis of FG truncated cone**, Heat Transfer Engineering, 2017, Accepted. (Q1, IF: 1.016)

#### REVIEW OF PAPER (ISI)

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1. **Three-dimensional thermo-elastic solution for continuously graded cylindrical shells resting on two-parameter elastic foundations**, Meccanica, 2011.
2. **Aerothermoelastic model of panel flutter with consideration of the history effects of aerodynamic heating**, International Journal of Applied Mechanics, 2012.
3. **Vibration analysis of three-layered FGM cylindrical shells with isotropic middle layer resting on Winkler and Pasternak foundations**, Journal of Engineering, 2012.
4. **A novel FSDT for the study of advanced composites on elastic foundation**, Meccanica, 2015.
5. **Thermo-elastic stress and deformation analyses of doubly curved shells with thickness- and temperature-dependent material properties**, Acta Mechanica, 2017.