

## Publications

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### Journal publications:

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1. □ Zamani P., Jaamialahmadi A., da Silva L.F.M., □ The influence of GNP and nano-silica additives on fatigue life and crack initia phase of Al-GFRP bonded lap joints subjected to four-point bending, Composites Part B: Engineering, Vol. 207, 15 Feb. 2021, DOI: [10.1016/j.compositesb.2020.108589](https://doi.org/10.1016/j.compositesb.2020.108589)

2. □ Zamani P., Jaamialahmadi A., da Silva L.F.M., Farhangdoost Kh., An investigation on fatigue life evaluation and crack initiation of Al-GFRP bonded lap joints under four-point bending, Composite Structures, 229 (2019) DOI: [10.1016/j.compstruct.2019.111433](https://doi.org/10.1016/j.compstruct.2019.111433)

3. □ Soleymani M., Tahani M., Zamani P., On the influence of resin pocket area on the failure of tapered sandwich composites, Advances in Structural Engineering, Published 21 July 2020, DOI: [10.1177/1369433220940816](https://doi.org/10.1177/1369433220940816)

4. □ Zamani P., Farhangdoost Kh., On the influence of riveting process parameters on fatigue life of riveted lap joint, Journal of Applied and Computational Mechanics, 6(2) 2020 248-258, DOI: [10.22055/JACM.2019.28827.1507](https://doi.org/10.22055/JACM.2019.28827.1507)
  
5. □ Zamani P., Jaamialahmadi A., The effects of surface preparation and curing procedures on load carrying capacity and fatigue life of adhesively bonded lap joints, Iranian Journal of Manufacturing Engineering, Vol.7, Issue 6, 2020, pp. 18-32 (in Persian)
  
6. Moslemi H., Farhangdoost Kh., Zamani P., Fatigue life evaluation of single and two riveted coach peel joints using strain life criteria, AUT Journal of Mechanical Engineering, Available online from 13 February 2019 , DOI: 10.22060/AJME.2019.14541.5731
  
7. Soleymani M., Tahani M., Zamani P., Investigation of Resin Pocket Area Effect on Crack Growth in Foam Core of Composite Wind Turbine Blade by the Finite Element Method, Journal of Solid and Fluid Mechanics, 8(4) 2019 27-38, DOI: 10.22044/JSFM.2018.7122.2641 (In Persian)
  
8. Mohajerzadeh S., Farhangdoost Kh., Zamani P., Kolasangiani K., Experimental investigation

on fatigue evaluation of orthopaedic locking compression plate, 11(4) 2018 47-52

**9.** □ Pustforushan A.R., Zamani P., Masoudi Nejad R., Kadkhodayan M., A survey on processing map for the hot deformation of Copper-Alumina nanocomposites using artificial neural network, Journal of Solid and Fluid Mechanics, 7(2) 2017 55-62 (In Persian)

**10.** □ Zamani P., Jaamialahmadi A., Shariati M., Ductile failure and safety optimization of gas pipeline, Journal of Solid Mechanics, 8(4) 2016 744-755

**11.** □ Zamani P., Taleshi Anbouhi A., Ashory M.R., Khatibi M.M., Masoudi Nejad R., Cancellation of transducer effects from frequency response functions: Experimental case study on the steel plate, Advances in Mechanical Engineering, First published April 26 2016, DOI: 10.1177/1687814016645442

**12.** □ Taleshi Anbouhi A., Zamani P., Ashory M.R., Khatibi M.M., Correction of mass-loading effects of accelerometers on the measured FRFs using optimized mass change algorithm, Journal of Modeling in Engineering, 10(30) 2012 19-31 (In Persian)

### Patents:

Four point bending fixture for fatigue test of lap joint specimens, Iran Patent Office, Patent number: 102036, International Classification number: G01N 3/32

Pedram Zamani, Abdolrahman Jaamialahmadi

**\*This patent was peer reviewed by academic reviewers**

### Conference publications:

1.  **Pedram Zamani** , Abdolrahman Jaamialahmadi, Lucas FM da Silva, Sajjad Hosseini, Effect of nano-particle dispersion methods on mechanical behavior of Al-GFRP bonded joints under bending moment, The Biennial International Conference on Experimental Solid

Mechanics (X-Mech 2020), School of Mechanical Engineering, Iran University of Science and Technology, 18-19 Feb., Tehran, Iran.

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**2. Pedram Zamani**, Abdolrahman Jaamialahmadi, Experimental investigation on bending strength of metal-composite adhesive lap joint, The 16th International Conference of Iranian Aerospace Society, 21-23 Feb 2017, Faculty of Aerospace Engineering, K.N. Toosi University of Technology, Tehran, Iran

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**3. Pedram Zamani** , Abbas Taleshi , Mohammad Reza Ashouri ,Mohammad Mehdi Khatibi , Elimination of mass loading effect using a mass change strategy , International Conference of acoustics and vibrations , 2012

**4. Pedram Zamani**, Khalil Farhangdoost, comparison between mechanical parameters to mathematical modeling in different phases in riveting process, ISME 2014 (in Persian)

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5. **Pedram Zamani**, Khalil Farhangdoost, Amir Gholamhossein Tehrani, The effect of friction coefficient and clearance fit on residual stress field in a riveted lap joint, The 13th conference of Iranian Aerospace Society, Tehran, Iran, 2014. (in persian)

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6. **Pedram Zamani**, Reza Masoudi nejad, Khalil Farhangdoost. Computation of stress intensity factors of collinear interacting cracks in a simple lap joint structure, 1st National Conference on Development of Civil Engineering, Architecture, Electricity and Mechanical in Iran, December 2014, Iran. (selected as distinguished paper among all papers in the conference)

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7. **P. Zamani**, S. Mohajerzadeh, R. Masoudinejad, Kh. Farhangdoost, Numerical Investigation on Optimizing Fatigue Life in a Lap Joint Structure, XIII International Conference on Mechanical, Aeronautical and Automotive Engineering, Rome, Italy, May 2015.

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