Curriculum Vitae

- o Name: Iman Dayyani
- o Date of Birth: 3 January 1987
- o Gender: Male
- o Email: Iman.dayyani@gmail.com

Education:

- o **M.Sc**. in Mechanical engineering, Isfahan University of Technology, Isfahan, Iran, (2009-2011), Total **GPA**: 17.79 out of 20.
  Thesis topic: "Nonlinear finite element and experimental analysis of composite corrugated boards with elastomeric coatings".
- o **B.Sc**. in Mechanical engineering, Isfahan University of Technology, Isfahan, Iran, (2005-2009), Total **GPA**: 17.38 out of 20.
  Thesis topic: "Nonlinear finite element analysis of orthotropic sandwich panels".

Research Interests:

- o Experimental and Computational Analysis of Advanced Composites
- o Smart Structures and Materials
- o Damage Mechanics
- o Biomechanics

Publications:

- o Iman Dayyani, Saeed Ziaei-Rad, Hamid Salehi, "Numerical and Experimental Investigations on Mechanical Behavior of Composite Corrugated Core".
  (Journal of Applied Composite Materials, DOI 10.1007/s10443-011-9238-3)
- o Iman Dayyani, Saeed Ziaei-Rad, "Numerical and Experimental Investigations on Mechanical Behavior of Composite Corrugated Core with Elastomeric Coatings". (Submitted to journal of Composite Materials, under review)
- o Iman Dayyani, Masih Moore, Ali Reza Shahidi, "Unilateral Buckling of Point-Restrained Triangular Plates", (Submitted to journal of Thin-Walled Structure, under review)

Honors:

- o One of the top students among all undergraduate students, Mechanical Engineering Department, IUT, 2005-2009.
- o Being accepted for M.Sc. of Mechanical Engineering as an "Exceptionally Talented" student without participating in wide national entrance Exam, IUT, 2009.

Research Experiences:

- o "Coding the Unilateral buckling of triangular plates in MATALB ".
- o "Numerical methods programming in MATLAB, including: Finite difference method, Laplace 2D equation, Multi grid methods, Leap frog method, SOR and ADI methods."
- o "Crack propagation modeling in ABAQUS".
- o "Finite element programming of a 2D truss with Thermo-mechanical effects ".

Teaching Experiences:

- o Vibration.
- o Computer aided design, ABAQUS.
- o Statics.
- o Engineering Mechanics of solids.

Computer Skills:

- o Programming language: C++, PYTHON, MATLAB Coding
- o Engineering software: ABAQUS, ANSYS, CATIA

English Skill:

- o TOEFL IBT: Total: 93; Writing: 27; Speaking: 23; Listening: 22; Reading: 21

Extracurricular Activities:

- o Jury of 18th International Children Film Festival.
- o Founder of Supermileage team participating in Shell Eco Marathon competition.

References:

1. Michael Friswell, Professor of Mechanical Engineering on Structural Dynamics, School of Engineering, Swansea University, Tel: (+44) 1792 602969, Email: m.i.friswell@swansea.ac.uk

2. Ziaie Rad, Saeed, Professor of Mechanical Engineering on Structural Dynamics, Department chair, Tel: (+98) 311 3915244, Email: szrad@cc.iut.ac.ir, Rm: 34