

Curriculum Vitae

Mechanical Engineering

Member of Smart Engineering

Systems and Technology ([Senstech](#)

[Lab](#))

Hacettepe University

Ankara, Turkey.



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Behrang Shamsadinlo



Personal Information

Nationality: Turkish citizen & Iranian

Gender: Male

Marital Status: Single

Date of Birth: 06th Sep 1988

Place of Birth: Iran

Education

February 2011- DJanuary 2014

Hacettepe University, Turkey

Dept. of Mechanical Engineering

M.Sc. student in Mechanics and Design Engineering, Total GPA (85-94)/100 or 3.5/4 (According to [European Credit Transfer System](#))

Supervisor : Dr. Özgür Ünver

Thesis: "Numerical Analysis and Manufacturing of Elastomers Utilizing Shape Deposition Manufacturing Method to Design a Rugged Robot"

September 2006-September 2010

Islamic Azad University of Tabriz (IAUT), Iran

Dept. of Mechanical Engineering

B.Sc. student in Solids Design Engineering, Total GPA: 15/20 or 3.5/4(According to [WES](#) guide)

Supervisor : Prof. Samad Dadvandipour

Thesis: "Using Finite Element Methods for Numerical Analyzing of the Effects of U-bolts on Center Hole Fatigue Failure of Leaf Springs"

September 2002-June 2006

Kharazmi High School, Naghadeh, Iran

High School Diploma in Mathematics and Physics, Total GPA: 4/4

Research Interests

1. Structural Design.
2. Finite Element Analysis.
3. Numerical, Empirical and Analytical Analysis.
4. Programming (data analysis and web development)
5. Mechanics of Materials
6. Facade Structure Design

Honors

- ✓ Ranked 2425nd among 900,000 students in Nationwide University Entrance Exam. [2006]

Publications and Recent Submissions

Conference Papers

- Ali Shamsaddinlou, Akbar Tohidi, **Behrang Shamsadinlo**, “Performance Increasing of Multiple Model Based Control”, IEEE Multi-Conference on Systems and Control, India, August 28-30, 2013. (Accepted and to be Published).

Submitted Journals

- **Behrang Shamsadinlo**, Mohammad Rauf Sheikhi, Ozgur Unver, Bora Yildirim “Numerical and empirical modeling of peak deceleration and stress analysis of polyurethane elastomer under impact loading test”, journal of Polymer Testing. **21 February 2020** (Published).
- **Behrang shamsadinlo**, Ozgur unver, “Comparison of Different Material Models for Finite Element Analysis of Polyurethane Elastomer Using Experimental and Estimated Data-sets”, Mechanics of Advanced Materials and Structures. (Submitted).

Research Experience

- ✓ Design, development, manufacturing of a drop impact test system.
- ✓ Finite element modeling and dynamic behavior analysis of viscoelastic cushion.
- ✓ Designing a huge commercial billboard by considering the security factors and effects of wind in analytical calculation and FEM analysis.

Some Advance Courses

Master of Science

Elasticity.....	4/4
Finite Elements Methods.....	3.5/4
Advance Mechanics of Materials.....	3.5/4
Numerical Methods	4/4
Analytical Methods.....	3.5/4

Bachelor of Science

Plasticity and Deformation.....	19/20
Material Strength.....	17/20
Mechanics of Composed Material.....	18/20
Elements Design	20/20
Mechanism Design.....	17/20

Work Experience

- ✓ **LIBART A.Ş.**
Position: Project Manager
Aluminun facade Engineer between 7.2014 – 09.2018

- ✓ **Freelance python developer**
static and e_commerce website designer

Programming and Software

- ✓ Core Programing Languages: Python, Mathlab, Javascript
- ✓ 3d Modeling: Solidworks, AutoCAD, Sketchup
- ✓ frameworks: Flask, Django and Rest API
- ✓ Infra Layer: Docker
- ✓ Databases: MySQL, PostgreSQL
- ✓ Version Control: Git
- ✓ FEA Analyzing: ANSYS
- ✓ General: CSS, html5 , Bootstap, jQuery, RabbitMQ
- ✓ Facade Engineering: Logical
- ✓ Operationg System: Linux ubuntu 18.04, Windows

Languages

English: Fluent
Azerbaijani: Mother Tongue
Turkish: Fluent
Persian: Fluent

Standard Tests

IELTS General score at 12. 2018: overall 6 , taken in **12.2018**
GRE quantitative score: 760 quantitative , taken in **08.2010**

References

- **Asst. Prof. Özgür Ünver**

Dr, Department of Mechanical and Automotive Engineering, Hacettepe University, Ankara, Turkey, PhD from Carnegie Mellon University, USA.

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- **Prof. dr. Bora Yıldırım**

Professor, Department of Mechanical and Automotive Engineering, Hacettepe University, Ankara, Turkey, PhD from Lehigh University, USA.

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