**Mojtaba Moradli**

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# Research Interest

* Space Systems Engineering
* Solid Mechanics
* Fluid Mechanics

# Education

## M.Sc. Space Systems Engineering 2020-Present

* Faculty of New Science and Technology, University of Tehran (UT)

## B.Eng.  Aerospace Engineering 2016-2020

* Science and Research Branch of Azad University (SRBIAU), Tehran, Iran

## English Language 2016

* Academic Center for Education, Culture and Research(ACECR), Alborz, Iran - Academic Certificate for Completion of the IELTS Preparation Course
* Academic Center for Education, Culture and Research(ACECR), Alborz, Iran - Academic Certificate for Completion of the English Language Course for Adult

# Lab Experiences

## Fuzzy Logic Lab 2021-Present

* University of Tehran (UT)

# Publications

## Sharif Aria, Novel

* <http://opac.nlai.ir/opac-prod/bibliographic/4397602>

# Skills & Abilities

## Soft Skills

* Time Management
* Project Management, Teamwork

## Programming

* MATLAB, Python

## CAD/CAM

* CATIA

## CAE

* ANSYS Fluent, ANSYS Structural

# Academic Projects

## Numerical Investigation on Pressure Distribution of Lower Surface of Supercritical Airfoil SC-0410

* Science and Research Branch of Azad University (SRBIAU)
  + Supervisor: Alireza Davari, Ph.D.

## Conceptual Design of a 10 Seater Twin Engine Propeller Driven Airplane

* Science and Research Branch of Azad University (SRBIAU)
  + Supervisor: Farshad Pazooki, Ph.D.

## Preliminary Design(Aerodynamics) of a 10 Seater Twin Engine Propeller Driven Airplane, Airfoil Selection and Pressure Distribution Analysis

* Science and Research Branch of Azad University (SRBIAU)
  + Supervisor: Farshad Pazooki, Ph.D.

## CFD-based Analysis of Non-Premixed Combustion of Methane with k-epsilon Viscous Model

* Science and Research Branch of Azad University (SRBIAU)
  + Supervisor: Hossein Mahdavy Moghaddam, Ph.D.

## Modal, Random Vibration and Harmonic Vibration Analysis of Simplified TESS Solar Panels and Investigation of Sources of Loads and Vibrations that a Spacecraft Encounter During Its Life Phases

* University of Tehran (UT)
  + Supervisor: M.H. Sabour, Ph.D.

## Conceptual Design of An Autonomously Controlled Mars Helicopter(ACMH)

* University of Tehran (UT)
  + Supervisor: M.H. Sabour, Ph.D.

# Teaching Experience

## English Language 2016-2018

* Teaching English to high school students

# Work Experience

## Translator 2016-Present

* Translating academic papers
* Freelance