

Armin Karimi

Contact information

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Website : <https://arminkarimi91.github.io/>

Profiles: [Google Scholar](#) | [Linkedin](#)

Education

2015 September 2018 September	M.Sc.in Aerospace Engineering Sharif University of Technology , Tehran ,Iran [QS Ranking] <i>Thesis Title : “Analysis and Design of Morphing Wing Based on Smart and Adaptive Structures”</i> <i>Advisor :</i> Dr. Seyed Ali Hosseini Kordkheili
2010 January 2015 September	B.Sc. in Aerospace Engineering Moscow Aviation Institute , Moscow , Russia [QS Ranking] <i>Thesis Title : “Design and Analysis of Technological Process at Assembly of AFT Fuselage”</i> <i>Adivsor :</i> Prof . Viktor Astapov

Research Experience

2017-2020	Graduate Research Assistant Smart Structure and Composite Laboratory (SSCLab) Sharif University of Technology , Tehran ,Iran Under Supervision : Dr. Seyed Ali Hosseini Kordkheili
2012-2015	Undergraduate Researcher Aerospace High Technologies and Products Department (TPLA) Moscow Aviation Institute , Moscow , Russia. Under Supervision : Prof . Alexander Valkhonski

Research Interest

- Machine Learning
- Smart Composite Structures
- Structural Health Monitoring
- Adaptive Structures
- Aircraft Structures
- Design For Additive Manufacturing
- Computer - Aided Design
- Design and Manufacturing

Publications

Journal Papers :

- Moslem Tayyebi, Davood Rahmatabadi, Armin Karimi, Maryam Adhami, Ramin Hashemi, "Investigation of annealing treatment on the interfacial and mechanical properties of AL5052/Cu multilayered composite subjected to ARB Process ", [Journal of Alloys and Compound](#), Volume 871, 5 August 2021, 159513.
- Moslem Tayyebi, Maryam Adhami, Armin Karimi, Davood Rahmatabadi, Morteza Alizadeh, Ramin Hashemi, "Effects of strain accumulation and annealing on interfacial microstructure and grain structure (Mg and Al_3Mg_2) of Al/Cu/Mg multilayered composite fabricated by ARB process" . [Journal of Materials Research and Technology](#), Volume 14, September-October 2021, Page 392-406 .

Conference Papers :

- Armin Karimi, Alexander Valkhonski, " Investigation of the characteristics of fillers for three-layer aircraft structures made in the form of cells of volumetric-rod structure " , Gagarin Science Conference, April 2014, Page 21.

Work Experiences

[Maxim](#) (Ride-hailing Company)

2017- present

CEO, CTO, Director of Development

Honors and Awards

- ❖ Awarded Sharif University of Technology fellowship for PhD Studies (2020)
- ❖ Awarded Sharif University of Technology fellowship for M.Sc. Studies (2017)
- ❖ Ranked 6th Among More Than 3000 Candidates in The National University Entrance Examination of Aerospace Engineering Master's Degree Program ([Konkour](#)) in Iran (2017)
- ❖ Ranked 1th in The Russian Government Exam in Aerospace engineering (2015)
- ❖ Awarded Moscow Aviation Institute fellowship for B.Sc. Studies (2011)
- ❖ Ranked as top 0.1% in the National University Entrance Examination for undergraduate studies ([Konkour](#)) among more than 500,000 participants (2010)

Selected Coursework and Grade

<i>Undergraduate</i>			
<i>Aircraft Structural Analysis</i>	<i>A⁺</i>	<i>Manufacturing Technology of Flying Vehicles Components</i>	<i>A⁺</i>
<i>Flying Vehicles Design 1,2</i>	<i>A⁺</i>	<i>Structural Materials Technology</i>	<i>A⁺</i>
<i>Mathematical Modeling of Production Processes</i>	<i>A⁺</i>	<i>Dynamic Machinery</i>	<i>A⁺</i>
<i>Engines & propulsion Systems</i>	<i>A⁺</i>	<i>Flight Mechanics</i>	<i>A⁺</i>
<i>Theory of plasticity</i>	<i>A⁺</i>	<i>Technology of Assembly Operations</i>	<i>A⁺</i>
<i>Graduate</i>			
<i>Finite Elem Method 1,2</i>	<i>A</i>	<i>Mechanical Behavior of Materials</i>	<i>A⁺</i>
<i>ADV Composite Material</i>	<i>A</i>	<i>ADV Math 1,2</i>	<i>A⁺</i>
<i>Fracture Mechanics</i>	<i>A</i>	<i>Fracture Fatigue Creep</i>	<i>A</i>

Teaching Assistant

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| ➤ <i>Aircraft Structural Analysis</i>
Prof.Alexander Valkhonski | ➤ <i>Flying Vehicles Design 1,2</i>
Prof.Alexander Valkhonski |
| ➤ <i>Finite Element Method 1</i>
Dr. Seyed Ali Hosseini Kordkheili | ➤ <i>ADV Composite Material</i>
Dr. Seyed Ali Hosseini Kordkheili |

Languages

Persian
Native

Russian
C2

English
C1

Computer Skills

Software	CAD/CAM	CAE	Programming
	SolidWorks, CATIA	ABAQUS	MATLAB

Extracurricular Activities

- Traveling , Hiking , Mountain Climbing
- Watching Movies, Watching Documentaries, Listening and Playing Music

References

Dr. Seyed Ali Hosseini Kordkheili	Associate Professor, Department of Aerospace Engineering , Sharif University of Technology ,Tehran , Iran
M.Sc .Thesis Advisor	Homepage : http://ae.sharif.edu/~portal/faculty/1687360874
M.Sc . Educational Advisor	Email: Ali.hosseini@sharif.edu
Dr.Saeed Adibnazari	Professor, Department of Aerospace Engineering , Sharif University of Technology ,Tehran , Iran
Educational Advisor	Homepage: http://ae.sharif.edu/~portal/faculty/2081055638
	Email : Adib@sharif.edu
Prof .Alexander Valkhonski	Professor, Aerospace High Technologies and Products Department , Moscow Aviation Institute , Moscow , Russia.
Research Advisor	Homepage : Prof . Alexander Valkhonski
Educational Advisor	Email : Valkhonsk@mail.ru
Prof .Viktor Astapov	Professor, Aerospace High Technologies and Products Department , Moscow Aviation Institute , Moscow , Russia.
B.Sc. Thesis Advisor	Homepage: https://mai.ru/content/people/index.php?ID=69635
M.Sc.Educational Advisor	Email : [link]
Dr .Ramin Hashemi	Associate Professor, School of Mechanical Engineering, Iran University of Science & Technology, Tehran , Iran
Research Advisor	Homepage: http://www.iust.ac.ir/content/31661/Hashemi
	Email : rhashemi@iust.ac.ir