Curriculum Vitae

1. Name, Surname: Atabak Rahimzadeh Ilkhechi

2. Date of Birth: 26/07/1987

3.Academic Rank: ASST. PROF. DR. ATABAK RAHIMZADEH

4. Academic Degrees:

Degree	Field	University	Year
Lisans (B.Sc)	Mechanical engineering (Manufacturing and production)	Islamic Azad University (IAU)	2012
Master (M.Sc)	Master of science-Mechanical Engineering	Master of science-Mechanical Engineering	2015
Ph.D. (Doktora)	Mechanical and Aerospace Engineering	Sapienza University of Rome, Italy	2019

5. Academic Qualifications:

6. Academic Supervision
6.1. Master Thesis

Investigation on shape recovery of 3D printed honeycomb sandwich structure

4D printing: analysis of the shape recovery of a PLA honeycomb structure

7. Publications:

7.1. Articles published in International refereed journals (SCI & SSCI & Arts and Humanities)

* Bharath Bhushan Ravichander, Atabak Rahimzadeh, Behzad Farhang, Narges Shayesteh Moghaddam, Amirhesam Amerinatanzi , and Mehrshad Mehrpouya, (2021). "A Prediction Model for Additive Manufacturing of Inconel 718 Superalloy". Applied. Sciences. 2021, 11, 8010. https://doi.org/10.3390/app11178010 , (SCI) Expanded

* Rahimzadeh Atabak, Heidarzadeh Akbar, Mohammadzadeh Ahad, Moeini Ghazal. (2020). "Effect of friction stir welding heat input on the microstructure and tensile properties of Cu-Zn alloy containing disordered β phase." Journal of Materials Research and Technology 9(5): 11154-11161. https://doi.org/10.1016/j.jmrt.2020.08.010, (SCI) Expanded

* Mehrpouya, Mehrshad, Gisario, Annamaria, Nematollahi, Mohammadreza, Rahimzadeh, Atabak, Baghbaderani, Keyvan Safaei, Elahinia, Mohammad. (2021). "The prediction model for additively manufacturing of NiTiHf high-temperature shape memory alloy." Materials Today Communications 26: 102022. https://doi.org/10.1016/j.mtcomm.2021.102022, (SCI) Expanded

* Annamaria Gisario ,Mehrshad Mehrpouya ,Atabak Rahimzadeh, Andrea De Bartolomeis , Massimiliano Barletta (2020). "Prediction model for determining the optimum operational parameters in laser forming of fiber-reinforced composites." The International Journal of Advanced Manufacturing Technology 9(5): 2095-3127. https://doi.org/10.1007/s40436-020-00304-3 (SCI) Expanded

* A. Rahimzadeh, R. Soufi, G. Hussain, R. Vatankhahe Barenji, and A. Heidarzadeh. (2015). "Establishing mathematical models to predict grain size and hardness of the friction stir-welded AA 7020 aluminum alloy joints." Metallurgical and Materials Transactions B 46(1): 357-365. https://doi.org/10.1007/s11663-014-0205-x, (SCI) Expanded

* Mehrpouya Mehrshad, Annamaria Gisario, Atabak Rahimzadeh, Mohammadreza Nematollahi, Keyvan Safaei Baghbaderani, and Mohammad Elahinia. (2019). "A prediction model for finding the optimal laser parameters in additive manufacturing of NiTi shape memory alloy." The International Journal of Advanced Manufacturing Technology: 1-9. https://doi.org/10.1007/s00170-019-04596-z, (SCI) Expanded

* A. Heidarzadeh, M. Emmy, A. Rahimzadeh, R. Soufi, D. Sohrabi Baba Heidary, and Sh. Nasibi, (2014). "The effect of copper addition on the fluidity and viscosity of an Al-Mg-Si alloy." Journal of materials engineering and performance 23(2): 469- 476. https://doi.org/10.1007/s11665-013-0794-6, (SCI) Expanded

* Mehrshad Mehrpouya, Annamaria Gisario, Atabak Rahimzadeh, Massimiliano Barlettaa (2019). "An artificial neural network model for laser transmission welding of biodegradable polyethylene terephthalate/polyethylene vinyl acetate (PET/PEVA) blends." The International Journal of Advanced Manufacturing Technology 102(5-8): 1497-1507. https://doi.org/10.1007/s00170-018-03259-9, (SCI) Expanded

* Akbar Heidarzadeh, Reza Vatankhah Barenji, Mohsen Esmaily, Atabak Rahimzadeh Ilkhichi, (2015). "Tensile properties of friction stir welds of AA 7020 aluminum alloy." Transactions of the Indian Institute of Metals 68(5): 757-767. https://doi.org/10.1007/s12666-014-0508-2, (SCI) Expanded

* Mehrshad Mehrpouya, Annamaria Gisario, Hui Huang, Atabak Rahimzadeh, Mohammad Elahinia, (2019). "Numerical study for prediction of optimum operational parameters in laser welding of NiTi alloy." Optics & Laser Technology 118: 159-169. https://doi.org/10.1016/j.optlastec.2019.05.010, (SCI) Expanded

7.2. Articles published in international refereed journals

7.3. Papers presented in international scientific conferences and publishing in proceedings

* A. Rahimzadeh, (2017). Laboratory Research on Effect of Friction Stir Processing | (FSP) On Al-7020 Aluminum Alloy International Conference of Advances in Science Engineering and Technology, ISSN(p): 23218991, ISSN(e): 2321 9009 (ICASET), December 2017/ Toronto, Canada.

* Mehrshad Mehrpouya, Annamaria Gisario, Mohammadreza Nematollahi, Atabak Rahimzadeh, Mohammad Elahinia "An artificial neural network model for additively manufacturing of NiTiHf alloy International Conference on Simulation for Additive Manufacturing - Sim-AM 2019, Pavia, Italy.

7.4. Posters in International Conferences

7.5. International books or book chapters

8. Seminars, Presentations, Colloquia

9. Administrative Duties

Head of Mechanical Engineering department	Girne American University (GAU)	2021-Present
Research assistant in Mechanic Engineering	Sapienza University of Rome	2016-2019
Research assistant in Mechanic Engineering	Eastern Mediterranean University	2013-2015

9.1 Other Related Experience

10. Scientific & Professional Memberships

Editorial board of the World Academy of Science, Engineering, and Technology

Member of the Italian Society of Mechanical Engineers

11. Awards

Winner Scholarship (MIUR 2018), Ministry of Education, Universities and Research, Italy, 2018

Project awarded Application of Artificial Neural Networks (ANNs) in Laser Welding Processing, 2018

12. Courses taught in past two academic ye

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2020-2021	Güz	**Machine Elements II**	3	0	4
		Materials Science 1	3	0	20
		Machine Design 1	3	0	24
		Theory of Machines 1	3	0	22
		Machine Elements 1	3	0	2
	Bahar	**Computer Integrated Manufacturing**	3	0	27
		Manufacturing Technology I	3	0	49
		Manufacturing Technology II	3	0	17
		Machine Elements I	3	0	22
		Machine Design II	3	0	23
		Graduation Project 1	3	0	8
2020-2021	Spring	**Machine Elements II**	3	0	12
		Manufacturing Technology I	3	0	8
2021-2022	Güz	**Materials Science 1**	3	0	7
		Introduction to Mechanical Eng. 1	3	0	9
		Theory of Machines	3	0	11
		Machine Design	3	0	11
		Machine Design II	3	0	1
		Manufacturing Technology II	3	0	2
		Graduation Project II	3	0	11
		Machine Elements II	3	0	7
	Bahar	**Computer Integrated Manufacturing**	3	0	9
		Manufacturing Technology I	3	0	5
		Manufacturing Technology II	3	0	9
		Machine Elements I	3	0	7
		Machine Design II	3	0	8
		Graduation Project 1	3	0	1
2021-2022	Spring	**Computer Integrated Manufacturing**	3	0	4
		Manufacturing Technology I	3	0	2
2022-2023	Güz	**Materials Science 1**	3	0	7
		Introduction to Mechanical Eng. 1	3	0	10
		Theory of Machines	3	0	3
		Machine Design	3	0	5
		Graduation Project 1	3	0	8
		Machine Elements II	3	0	5