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ÖZGEÇMİŞ VE ESERLER LİSTESİ

ÖZGEÇMİŞ

Adı ve Soyadı: Atabak Rahimzadeh Ilkhechi

Doğum Tarihi: 26/07/1987

Doğum Yeri: Tabriz

Akademik Unvanı: Doctor of Philosophy (Ph.D.)

İş Telefonu: +90 392 650 2000 (ext.228)

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Bildiği Yabancı Diller (Puan ve Yılı):

English	**Italian**
Professional working proficiency	Elementary working proficiency
Turkish	**Persian**
Native (TOMER degree)	Native

Aldığı Sertifikalar:

Machine Learning, Hands-On Python & R in Data Science,

Machine Learning, Udemy online learning,

Mechanics of Materials, Sapienza University of Rome.

Uzmanlık Alanı:

Modeling and prediction of laser process,

Friction stir welding (FSW), Biomaterials,

Shape Memory Alloys (SMAs),

Design and Manufacturing,

Artificial intelligence (AI).

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Derece	Bölüm/Program	Üniversite	Yıl
Lisans	Mechanical engineering (Manufacturing and production)	Islamic Azad University (IAU)	2012
Y. Lisans	Master of science-Mechanical Engineering	Eastern Mediterranean University (EMU)	2015
Doktora	Mechanical and Aerospace Engineering	Sapienza University of Rome, Italy	2019
Doç. / Prof.			

Yüksek Lisans Tez Başlığı (özeti ekte) ve Tez Danışman(lar)ı:

"An Experimental Study on Friction Stir Processing of AA-7020 Aluminum Alloy"

Assist. Prof. Dr. Ghulam Hussain

Doktora Tezi/S.Yeterlik Çalışması/Tıpta Uzmanlık Tezi Başlığı (özeti ekte) ve Danışman(lar)ı:

"Modeling and prediction of laser process using Artificial Neural Networks (ANNs)."

Prof. Dr. Annamaria Gisario

Yönetilen Yüksek Lisans Tezleri :

Investigation on shape recovery of 3D printed honeycomb sandwich structure,

Yönetilen Doktora Tezleri/Sanatta Yeterlik Çalışmaları :

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

Projelerde Yaptığı Görevler:

Coordinate of project, Laboratory assistant, Manager of project.

İdari Görevler:

research assistant in Mechanic Engineering, Sapienza University of Rome

Work and teaching in Mechanic Engineering, Eastern Mediterranean University (EMU)

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Bilimsel Kuruluşlara Üyelikler:

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

Member of the Italian Society of Mechanical Engineers

Ödüller:

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

Study grant 2016 - 2019, University of Rome La Sapienza, November 2016, Italy

ESERLER

A. Uluslararası hakemli dergilerde yayımlanan makaleler:

* 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.

* 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.

* Annamaria Gisario, Mehrshad Mehrpouya, Atabak Rahimzadeh, Andrea De Bartolomeis, Massimiliano Barlettaa, (2020). "Prediction model for determining the optimum operational parameters in laser forming of fiber-reinforced composites." The International Journal of Advanced Manufacturing Technology, 10.1007/s40436-020-00304-3.

* 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.

* 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.

* 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.

* 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.

* 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.

* 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.

B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitaplarında (*proceedings*) basılan bildiriler:

* 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.