



AHMET ATAK LECT.

Email : ahmetatak@gazi.edu.tr

Other Email : aatak62@gmail.com

Office Phone : [+90 312 800 0615](tel:+903128000615)

Fax Phone : [+90 312 800 0618](tel:+903128000618)

Address : Gazi Üniversitesi TUSAŞ Kazan Meslek Yüksekokulu,
Aydın Mahallesi, Aydın Küme Evleri, 1.Cadde, No: 79/A,
Kahramankazan / ANKARA

International Researcher IDs

ScholarID: bTXWVS4AAAAJ

ORCID: 0000-0002-7320-0623

Publons / Web Of Science ResearcherID: L-9831-2019

ScopusID: 57211432036

Yoksis Researcher ID: 306492



Biography

Ahmet ATAK, Ph.D., Lecturer & Expert Researcher.

He completed his undergraduate and graduate studies in Mechanical Engineering at Ruhr-University in Bochum, Germany in 1992. After working as a mechanical engineer in various companies for about 22 years at the beginning of the year 2012 he did return to Turkey. He worked as a Specialist Researcher for five years at TÜBİTAK UZAY Research Institute. Later, he worked as the Structural Engineering Manager of TUSAŞ SPACE Department for 2 years and completed his doctorate degree in Gazi University "Industrial Product Design" department in September 2019. Starting from the beginning of 2020, he is still working as a lecturer (PhD) at Gazi University's TUSAŞ KAZAN-Vocational High School.

Learning Knowledge

Doctorate
2014 - 2019

Gazi University, Fen Bilimleri Enstitüsü, Endüstri Ürünleri Tasarımı (Dr), Turkey

Undergraduate
1987 - 1992

Ruhr-Universitaet Bochum, Mühendislik Fakültesi, Makine Mühendisliği , Germany

Postgraduate
1987 - 1992

Ruhr-Universitaet Bochum, Mühendislik Fakültesi, Makine Mühendisliği, Germany

Undergraduate
1983 - 1987

Fachhochschule Giessen-Friedberg, Mühendislik Fakültesi, Makine Mühendisliği,
Germany

Dissertations

Doctorate, Sürtünme karıştırma nokta kaynağında kullanılan pimin omuz profili tasarımı ve birleştirilen magnezyum levhaların mekanik özelliklerinin incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Endüstri Ürünleri Tasarımı (Dr), 2019

Postgraduate, Bir planet dişli şanzıman simülasyon programına lineer olmayan yatak boşluk ve katlıklarının uyarlanması, Ruhr-Universität Bochum, 1992

Academic Titles / Tasks

Lecturer
2020 - Continues

Gazi University, Tusaş - Kazan Meslek Yüksek Okulu, Motorlu Araçlar ve Ulaştırma Teknolojileri Bölümü

Lecturer
2001 - 2002

Universitaet Stuttgart, Makine Mühendisliği, Konstrüksiyon Ve Üretim

Supported Projects

1. Atak A., TUBITAK Project, TÜBİTAK TEYDEB PROJE NO: 3130423 OTAMATİK, TAŞIYICI KOL SİSTEMİNE SAHİP, TEK TAHRİKLİ, MODÜLER, ARAÇ PARK SİSTEM TASARIM VE PROTOTİP İMALATI, 2013 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Experimental determination and numerical modeling of the stiffness of a fastener**
ATAK A.
MATERIALS TESTING, vol.62, no.12, pp.1215-1220, 2020 (SCI-Expanded)
2. **Impact of pinless stirring tools with different shoulder profile designs on friction stir spot welded joints**
Atak A.
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.34, no.9, pp.3735-3743, 2020 (SCI-Expanded)

Articles Published in Other Journals

1. **Design Diversity and Brand Loyalty**
Atak A.
Saudi Journal of Business and Management Studies, vol.6, no.3, pp.56-60, 2021 (Peer-Reviewed Journal)
2. **Study of the Effect of Connection Stiffness on Structural Systems and Their Structural Integrity**
Atak A.
Saudi Journal of Engineering and Technology, vol.6, no.2, pp.20-31, 2021 (Peer-Reviewed Journal)
3. **Analytical and Numerical Model of Aluminum Alloy Swaging Ring Design to Study the Effect on the Sealing for Piping Systems**
Atak A.
CIVIL ENGINEERING JOURNAL-TEHRAN, vol.7, no.1, pp.107-117, 2021 (Peer-Reviewed Journal)
4. **Stress Analysis of Friction Stir Spot Welded Magnesium Alloy Sheet under Tensile-Shear Load**
ATAK A.
Universal Journal of Mechanical Engineering, vol.7, no.6, pp.348-359, 2019 (Peer-Reviewed Journal)
5. **Designer's Ethical Responsibility and Ethical Design**
Atak A., Şik A.

Universal Journal of Mechanical Engineering, vol.7, no.5, pp.255-263, 2019 (Peer-Reviewed Journal)

6. **Investigation of mechanical properties of friction stir spot welded light metal alloys**
ATAK A., ŞIK A.
Journal of Mechanics Engineering and Automation 2, vol.9, no.2, pp.56-63, 2019 (Peer-Reviewed Journal)
7. **The design of fatigue strength machine being one of the methods for determination the mechanical properties of the materials used in the industry**
Şık A., Atak A., Yavuz C., Özdemir V.
JOURNAL OF BIOMEDICAL SCIENCE AND ENGINEERING, vol.5, no.2, pp.79-82, 2018 (Peer-Reviewed Journal)
8. **Thermo-Mechanical modelling of friction stir spot welding and numerical solution with the finite element method**
Atak A., Şık A., Özdemir V.
International Journal of Engineering and Applied Sciences (IJEAS), vol.5, no.2, pp.70-75, 2018 (Peer-Reviewed Journal)

Books & Book Chapters

1. **How Impact the Design of Aluminum Swaging Circle Fitting on the Sealing for Piping Systems; Analytical and Numerical Model**
Atak A.
in: Aluminium Alloys - Design and Development of Innovative Alloys, Manufacturing Processes and Applications [Working Title], Prof. Giulio Timelli, Editor, IntechOpen, London, London, pp.1-12, 2021
2. **Chapter 44 Investigation of Mechanical Properties and Fatigue of Friction Stir Spot Welded Light Metals**
Atak A., Şık A.
in: Mechanical Fatigue of Metals Experimental and Simulation Perspectives Mechanical Fatigue of Metals, Structural Integrity 7, José A.F.O. Correia Abílio M.P. De Jesus António Augusto Fernandes Rui Calçada, Editor, Springer Nature Switzerland AG 2019, Porto, pp.343-349, 2019

Refereed Congress / Symposium Publications in Proceedings

1. **UZAY ARAÇLARINDA MERKEZİ SİLİNDİR GEOMETRİK OPTİMİZASYONU**
Şahin M., ATAK A.
8. ULUSAL HAVACILIK VE UZAY KONFERANSI, Ankara, Turkey, 9 - 11 September 2020, pp.1-10
2. **Bağlantıların katılık değerlerinin yapılaraya olan sistemsel etkisinin incelenmesi**
ATAK A., ŞIK A., Velioğlu S.
Kaynak Teknolojisi XI. Ulusal Kongre ve sergisi, Ankara, Turkey, 15 - 18 November 2019, pp.237-252
3. **Bağlantı Elemanlarının Uydu Birincil ve İkincil Yapılarına Etkisi**
Canbolat U., ATAK A.
TMMOB Makina Mühendisleri Odası X. Ulusal Uçak, Havacılık ve Uzay Mühendisliği Kurultayı 11-12 Ekim 2019, Eskişehir, Turkey, 11 - 12 October 2019, vol.705, pp.19-24
4. **Satellite Level Acoustic Test Response Evaluation for Optic Sensors Mounted on Anti-Earth Deck Panel**
Bagdat Ü., İzgu O., Çaybaşı H., Aydoğan F., Haktanır O., ATAK A.
2019 9TH INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN SPACE TECHNOLOGIES (RAST), İstanbul, Turkey, 11 - 14 June 2019, pp.1-5
5. **Design and Optimization of Innovative CFRP Central Cylinder for Satellites**
Abay M. M., Atak A., Şahin M., İzgu O.
2019 9TH INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN SPACE TECHNOLOGIES (RAST), İstanbul, Turkey, 11 - 14 June 2019, pp.103-107

6. **Investigation of Mechanical Properties and Fatigue of Friction Stir Spot Welded Light Metals**
ATAK A., ŞİK A.
19th International Colloquium on Mechanical Fatigue of Metals (ICMFM), Porto, Portugal, 5 - 07 September 2018, vol.7, pp.343-349
7. **Investigation of mechanical properties of friction stir spot welded light metal alloys**
ATAK A., ŞİK A.
5th International Conference on Welding Technologies and Exhibition (ICWET'18), Sarejevo, Bosnia And Herzegovina, 26 - 28 September 2018, pp.210-219
8. **UZAY ARAÇLARI VE UYDULARDA TİTREŞİM TESTLERİ VE TEST SÜREÇLERİ**
Şahin M., Atak A.
VII. ULUSAL HAVACILIK VE UZAY KONFERANSI UHUK-2018-135 12-14 Eylül 2018, Ondokuz Mayıs Üniversitesi, Samsun, Samsun, Turkey, 12 - 14 September 2018, pp.1-11
9. **Sürtünme karıştırma nokta kaynağı (SKNK) yöntemiyle otomotiv sektöründe kullanılan Magnezyum alaşımlarının birleştirilmesi [Joining of magnesium alloys with friction stir spot welding (FSSW) method used in automotive sector]**
ATAK A., ŞİK A., ÖZDEMİR V.
9th International Automotive Technologies Congress OTEKON 2018, Bursa, Turkey, 7 - 08 May 2018, pp.1225-1234
10. **Kaynaklı bağlantıların Eurocode 3 (EC3)'e göre yorulma dayanımının hesaplanması**
ATAK A., ŞİK A., Ertürk İ.
4th International Conference on Welding Technologies and Exhibition, Gaziantep, Turkey, 11 - 13 May 2016, pp.772-782
11. **Çelik yapı kaynaklı bağlantılarının EC3'e göre Tasarım ve analiz yöntemi**
ATAK A., ŞİK A.
Kaynak Teknolojisi IX. Ulusal Kongre ve Sergisi, Ankara, Turkey, 20 - 22 November 2015, vol.22

Academic and Administrative Experience

| | | |
|-------------|--|---|
| 2020 - 2020 | Assistant Director of Vocational School | Gazi University, Tusaş - Kazan Meslek Yüksek Okulu, Motorlu Araçlar ve Ulaştırma Teknolojileri Bölümü |
| 2020 - 2020 | Yüksekokul Kurulu Üyesi | Gazi University, Tusaş - Kazan Meslek Yüksek Okulu, Motorlu Araçlar ve Ulaştırma Teknolojileri Bölümü |

Courses

BİLGİSAYAR DESTEKLİ TASARIM, Associate Degree, 2020 - 2021
Teknik Resim, Associate Degree, 2020 - 2021
Bilgisayar Destekli Çizim-I, Associate Degree, 2020 - 2021
Yalın Üretim, Associate Degree, 2020 - 2021

Patent

Atak A., Shut-off device for conduits having a large cross-section, especially for power plant exhaust and flue gas conduits. German: Absperrvorrichtung für Kanäle mit grossen Querschnitten, insbesondere für Abgas- und Rauchgaskanäle von Kraftwerken, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: EP0622588A2 , Standard Registration, 2021
ATAK A., Bir taşınabilir boru birleştirme aparatında yenilik, Utility Model, CHAPTER F Mechanical engineering; Lighting;

Heating; Weaponry; Destroyed Materials, 2018

ATAK A., Bir Boru Birleřtirme Aparatında Yenilik, Utility Model, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, 2018

Metrics

Publication: 23

Citation (WoS): 6

Citation (Scopus): 8

H-Index (WoS): 3

H-Index (Scopus): 2

Research Areas

Engineering and Technology