

Lect. Ahmet Bğrek

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-8627-2018

ScopusID: 57222491146

Yoksis Researcher ID: 33389

Education Information

Doctorate, Sakarya University Of Applied Sciences, Lisansüstü Eğitim Enstitüsü, Otomotiv Mühendisliği (Dr), Turkey 2017 - Continues

Undergraduate, Sakarya University Of Applied Sciences, Teknoloji Fakültesi, Makine Mühendisliği Bölümü, Turkey 2020 - 2021

Postgraduate, Selcuk University, Fen Bilimleri Enstitüsü, Makine Eğitimi (Otomotiv Eğitimi) (YI) (Tezli), Turkey 2009 - 2011

Undergraduate, Selcuk University, Teknik Eğitim Fakültesi, Makine Eğitimi Bölümü, Turkey 2000 - 2004

Dissertations

Postgraduate, İdeal Otto çevriminin teorik analizi, Selcuk University, Fen Bilimleri Enstitüsü, Makine Eğitimi (Otomotiv Eğitimi) (YI) (Tezli), 2011

Research Areas

Heat and Mass Transfer, Fuels and Combustion, Internal Combustion Engines

Academic Titles / Tasks

Lecturer, Ondokuz Mayıs University, Yeşilyurt Demir Çelik Meslek Yüksekokulu, Motorlu Araçlar ve Ulaştırma Teknolojileri Bölümü, 2011 - Continues

Academic and Administrative Experience

Ondokuz Mayıs University, 2011 - 2012

Courses

Otomotiv Elektroniği, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Mesleki Yabancı Dil, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2015 - 2016, 2012 - 2013, 2011 - 2012

Hareket Kontrol Sistemleri, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2013 - 2014, 2012 - 2013

Güç Aktarma Organları, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

Taşıtlar Mekaniği, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Araştırma Yöntem ve Teknikleri, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Motor Test ve Ayarları, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2012 - 2013

Sistem Analizi ve Tasarımı, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Dizel Motorlar ve Yakıt Enjeksiyon Sistemleri, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2013 - 2014, 2012 - 2013, 2011 - 2012

Meslek Resimi, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Emisyon Kontrol Sistemleri, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Buji Ateşlemeli Motorların Yakıt ve Ateşleme Sistemleri, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2014 - 2015, 2012 - 2013

OTOMOTİV ELEKTRİĞİ, Associate Degree, 2016 - 2017

BİLGİSAYAR DESTEKLİ ÇİZİM, Associate Degree, 2016 - 2017, 2015 - 2016, 2014 - 2015

BUJİ ATŞ. MOT. YAK. VE ATŞ. SİST., Associate Degree, 2016 - 2017, 2013 - 2014

BİLGİSAYAR DESTEKLİ PROJE-I, Associate Degree, 2016 - 2017, 2013 - 2014, 2012 - 2013, 2011 - 2012

Motor Teknolojisi, Associate Degree, 2015 - 2016

STAJ, Associate Degree, 2015 - 2016

ALTERNATİF MOTORLAR VE YAKIT SİSTEMLERİ, Associate Degree, 2015 - 2016, 2014 - 2015

BİLGİSAYAR DESTEKLİ ÇİZİM II, Associate Degree, 2014 - 2015, 2013 - 2014

PROJE HAZIRLAMA TEKNİKLERİ, Associate Degree, 2013 - 2014

ÖLÇME VE KONTROL, Associate Degree, 2013 - 2014

İŞLETME YÖNETİMİ, Associate Degree, 2013 - 2014, 2011 - 2012

KALİTE GÜVENCESİ VE STANDARTLARI, Associate Degree, 2013 - 2014

MALZEME TEKNOLOJİSİ, Associate Degree, 2013 - 2014

BİLGİSAYAR DESTEKLİ ÇİZİM I, Associate Degree, 2013 - 2014

İLETİŞİM, Associate Degree, 2012 - 2013, 2011 - 2012

İŞ GÜVENLİĞİ, Associate Degree, 2012 - 2013

BİLGİSAYAR, Associate Degree, 2012 - 2013

İŞLETME YÖNETİMİ I, Associate Degree, 2012 - 2013, 2011 - 2012

BİLGİ VE İLETİŞİM TEKNOLOJİSİ, Associate Degree, 2012 - 2013, 2011 - 2012

BİLGİSAYAR-1, Associate Degree, 2011 - 2012

HİDROLİK PNÖMATİK, Associate Degree, 2011 - 2012

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Effects of n-heptane/toluene/ethanol ternary fuel blends on combustion, operating range and emissions in premixed low temperature combustion**
Böğrek A., Hasimoglu C., CALAM A., Aydoğan B.
FUEL, vol.295, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **CONCEPTUAL DESIGN OF THE COMBINED PATIENT BED FOR INTENSIVE CARE, BURN THERAPY AND PHYSICAL THERAPY**
SÜMBÜL H., BÖĞREK A., TUNÇER A.
Makina Tasarım ve İmalat Dergisi, vol.21, no.1, pp.12-21, 2023 (Peer-Reviewed Journal)
- II. **A Novel Engine Vibration Measurement System based on the MEMS Sensor**
Böğrek A., Sümbül H.
International Journal of Automotive Science and Technology, vol.6, no.4, pp.357-363, 2022 (Scopus)
- III. **Conceptual Design and Simulation of Railway Machinist Excitation System for Transportation Safety**
SÜMBÜL H., BÖĞREK A., TUNÇER A.
Demiryolu Mühendisliği, vol.0, no.14, pp.1-13, 2021 (Peer-Reviewed Journal)
- IV. **Development of Driver Analysis System to Improve Driving Comfort and to Reduce Mechanical Abrasion in Vehicles**
BÖĞREK A., SÜMBÜL H.
The Journal of Technical Science, vol.9, no.3, pp.9-14, 2019 (Peer-Reviewed Journal)
- V. **Development of The Road Analysis System to Provide the Fuel Efficiency Awareness in the Vehicles**
SÜMBÜL H., BÖĞREK A.
Bilge International Journal of Science and Technology Research, vol.1, no.1, pp.6-9, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Tolüen ve N-Heptan Yakıtlarının HCCI Motor Performans ve Emisyonlarına Etkisi**
BÖĞREK A., HAŞİMOĞLU C., CALAM A., DUZCAN B.
2nd International Symposium on Automotive Science and Technology, Ankara, Turkey, 8 - 10 September 2021, vol.2, pp.627-637
- II. **Development of Driver Analysis System to Improve Driving Comfort and to Reduce Mechanical Abrasion in Vehicles**
BÖĞREK A., SÜMBÜL H.
ISAS2018 Winter, Samsun, Turkey, 30 November - 02 December 2018
- III. **Development of the Road Analysis System to Provide the Fuel Efficiency Awareness in the Vehicles**
SÜMBÜL H., BÖĞREK A.
ISMSIT 2017 _ 1st International Symposium on Multidisciplinary Studies and Innovative Technologies, Tokat, Turkey, 2 - 04 November 2017
- IV. **Design and Implementation of a Multi-Sensor Remote-Controlled Robot Car**
SÜMBÜL H., BÖĞREK A.
8th International Advanced Technologies Symposium (IATS'17), Elazığ, Turkey, 19 - 21 October 2017, pp.1555-1563
- V. **The control of air cooled engine s fan with electromagnetic clutch**
BAYDAN H. E., BÖĞREK A., SÜMBÜL H.
1st International Mediterranean Science and Engineering Congress(IMSEC2016), Adana, Turkey, 26 - 28 October 2016, vol.1, pp.506-512
- VI. **Hava Soğutmalı Motorlarda Soğutucu Fanın Kontrolü: Elektromanyetik Kavrama Modeli**
BAYDAN H. E., BÖĞREK A., SÜMBÜL H.
EEB 2016 Elektrik-Elektronik ve Bilgisayar Sempozyumu, 11-13 Mayıs 2016, Tokat TÜRKİYE, Tokat, Turkey, 11 May 2016, pp.304-308
- VII. **Otto Çevriminin Termodinamik Analizi**
BÖĞREK A., KAHRAMAN A., SOLMAZ Ö., ÖRS İ.
19. Ulusal Isı Bilimi ve Tekniği Kongresi, Samsun, Turkey, 9 - 12 September 2013, vol.1, pp.1254-1259
- VIII. **OTTO ÇEVİRİMİNİN TERMODİNAMİK ANALİZİ**

BÖĞREK A., KAHRAMAN A., SOLMAZ Ö., ÖRS İ.

19. ULUSAL ISI BİLİMİ ve TEKNİĞİ KONGRESİ, Samsun, Turkey, 9 - 12 September 2013

IX. **MEMs Tabanlı İvmeölçer Kullanılarak Araçlarda Yakıt Ekonomisi Farkındalığı Sağlayan Bir Sistemin Tasarımı**

SÜMBÜL H., BÖĞREK A.

Türkiye Otomotiv Sektöründe AR-GE Proje Pazarı, Proje Tanıtım Kataloğu, Bursa, Turkey, 17 - 18 May 2013