

Asst. Prof. ABDULLAH ERHAN AKKAYA

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABG-7900-2020

Yoksis Researcher ID: 42147

Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2013 - 2017

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2009 - 2012

Undergraduate, Firat University, Faculty Of Engineering, Bilgisayar Mühendisliği, Turkey 2000 - 2007

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

IT, CCNA R&S: Scaling Networks, Cisco, 2016

IT, CCNA R&S: Routing and Switching Essentials, Cisco, 2015

IT, IT Essentials: PC Hardware and Software, Cisco, 2010

Dissertations

Doctorate, Kalman Filtre Tabanlı Sensör Füzyon Tekniği Kullanılarak Su Kayıp Ve Kaçak Konum Kestirim Robotu, Inonu University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 2017

Postgraduate, Yapay Arı Koloni (ABC) ve Diferansiyel Gelişim Algoritmaları Kullanılarak Optimum Protein Katlanmasının Belirlenmesi, Erciyes University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 2012

Research Areas

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Pattern Recognition and Image Processing, Neural Networks, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Inonu University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2018 - Continues
Research Assistant PhD, Inonu University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2017 - 2018
Research Assistant, Inonu University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2011 - 2017

Courses

Bilgisayar Mimarileri, Undergraduate, 2022-2023
Proje Planlama, Undergraduate, 2022-2023
Bilgisayar Ağları, Undergraduate, 2022-2023
Veri Sıkıştırma, Undergraduate Minor, 2022-2023
Bitirme Projesi-I, Undergraduate, 2022-2023
Algoritma Analizi, Undergraduate, 2022-2023
Yazılım ve Donanım Tasarımı, Undergraduate, 2022-2023
Bilgisayar Mühendisliğine Giriş, Undergraduate, 2022-2023
Bitirme Projesi-II, Undergraduate, 2022-2023
Bitirme Projesi-II, Undergraduate, 2021-2022
Proje Planlama, Undergraduate, 2021-2022
Bilgisayar Ağları, Undergraduate, 2021-2022
Ağ Güvenliği, Undergraduate, 2021-2022
Bitirme Projesi-I, Undergraduate, 2021-2022
Bilgisayar Mühendisliğine Giriş, Undergraduate, 2021-2022
Proje Planlama, Undergraduate, 2020-2021
Bitirme Projesi - II, Undergraduate, 2020-2021
Bilgisayar Ağları, Undergraduate, 2020-2021
Doğal Dil İşlemede İstatistiksel Yöntemler, Undergraduate Minor, 2020-2021
Doğal Dil Anlambilimi ve Uygulamaları, Undergraduate Minor, 2020-2021
Bilgisayar Görmesi, Undergraduate, 2020-2021
Simülasyon ve Modelleme, Undergraduate, 2020-2021
Bitirme Projesi - I, Undergraduate, 2020-2021
Ağ Güvenliği, Undergraduate, 2020-2021
Bilgisayar Görmesi, Undergraduate, 2019-2020
Sayısal Filigranlama ve Gizli Yazı Sistemleri, Undergraduate Double Major, 2019-2020
Bilgisayar Ağları, Undergraduate, 2019-2020
Bitirme Projesi - I, Undergraduate, 2019-2020
Bitirme Projesi - II, Undergraduate, 2019-2020
Proje Planlama, Undergraduate, 2019-2020
Ağ Güvenliği, Undergraduate, 2019-2020
Simülasyon ve Modelleme, Undergraduate, 2019-2020
Örüntü Tanıma Sistemleri, Undergraduate Double Major, 2019-2020
Tahmin Kuramı, Undergraduate Double Major, 2018-2019
Bitirme Projesi-I, Undergraduate, 2018-2019
Algoritma Analizi, Undergraduate, 2018-2019
İleri Algoritma Analizi, Undergraduate Double Major, 2018-2019
Bitirme Projesi-II, Undergraduate, 2018-2019
Ağ Güvenliği, Undergraduate, 2017 - 2018
Bilgisayar Ağları, Undergraduate, 2018-2019
Algoritma Analizi, Undergraduate, 2017 - 2018
Biçimsel Diller ve Özdevinirler, Undergraduate, 2018-2019
Ağ Güvenliği, Undergraduate, 2018-2019
Algoritma Analizi, Undergraduate, 2017-2018

Ağ Güvenliği, Undergraduate, 2017-2018
Biçimsel Diller ve Özdevinirler, Undergraduate, 2017-2018
Bitirme Projesi-I, Undergraduate, 2017-2018
Biçimsel Diller ve Özdevinirler, Undergraduate, 2017 - 2018
Bitirme Projesi-II, Undergraduate, 2017-2018
Bilgisayar Ağları, Undergraduate, 2017-2018
Bilgisayar Ağları, Undergraduate, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Extended kalman filter based IMU sensor fusion application for leakage position detection in water pipelines**
Akkaya A. E., Talu M. F.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.4, pp.1393-1404, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Using Wavelet Analysis and Deep Learning for EMG-Based Hand Movement Signal Classification**
GÜNES H., AKKAYA A. E.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.27, no.1, pp.214-225, 2023 (Peer-Reviewed Journal)
- II. **Position Estimation of In-Pipe Robot Using Artificial Neural Network and Sensor Fusion**
Akkaya A. E., Talu M. F., Aydoğmuş Ö.
Sakarya University Journal of Science, vol.25, no.5, pp.1102-1120, 2021 (Peer-Reviewed Journal)
- III. **Sarcastic Text Detection Using Keras**
Akkaya A. E.
Computer Science, vol.2021, no.3, pp.126-131, 2021 (Scopus)
- IV. **A Deep Learning Image Classification Using Tensorflow for Optical Aviation Systems**
Acet A., Akkaya A. E.
The Journal of Cognitive Systems, vol.5, no.1, pp.1-4, 2020 (Peer-Reviewed Journal)
- V. **Nesne Modelleme Video İmgeleri Kullanılarak F Matrisinin Hesaplanması**
Akkaya A. E., Talu M. F.
Dokuz Eylül Üniversitesi Mühendislik Bilimleri Dergisi, vol.16, no.48, pp.9-20, 2014 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Nesnelerin İnternetinde Güvenlik Tehditleri ve Korunma Stratejileri**
AKKAYA A. E.
in: Akıllı Sistemlerin Endüstriyel Uygulaması I, Prof. Dr. Eyyüp GÜLBANDILAR, Editor, BİDGE Yayınları, pp.251-289, 2023

Refereed Congress / Symposium Publications in Proceedings

- I. **Baz İstasyonu Yüksek Sıcaklık Erken Uyarı Sistemi**
Pirinççi M. S., Akkaya A. E.
7th International Congress on Engineering and Technology Management, İstanbul, Turkey, 16 - 17 April 2022, pp.123-130
- II. **A Convolutional Neural Network Approach Using Tensorflow For Image Classification**

Akkaya A. E.

International Conference On Stem And Educational Sciences, Muş, Turkey, 3 - 05 May 2018, pp.197

III. Dijital Görüntü Dengeleme Yöntemlerinin Kıyaslanması

Akkaya A. E., Talu M. F.

International Artificial Intelligence and Data Processing Symposium (IDAP 16), Malatya, Turkey, 17 - 18 September 2016, pp.352-355

IV. Protein Katlanması Problemine Genetik Algoritma Yaklaşımı

Akkaya A. E.

International Artificial Intelligence and Data Processing Symposium (IDAP 16), Malatya, Turkey, 17 - 18 September 2016, pp.69-72

V. Nesne Görüntülerinden 3D Model İnşası İçin Etkin F matrisi Hesaplanma Yöntemleri

Akkaya A. E., Talu M. F.

ASYU 2014, İzmir, Turkey, 9 - 10 October 2014, pp.6-11

VI. Performance Evaluation of Ego-Motion Methods in Static Environment

Akkaya A. E., Talu M. F.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.2462-2465

VII. Veri Madenciliği Yöntemleri Kullanılarak Meme Kanseri Hücrelerinin Tahmin ve Teşhisi

Danacı M., Çelik M., Akkaya A. E.

ASYU 2010, Kayseri, Turkey, 21 - 24 June 2010, pp.9-12

Supported Projects

AKKAYA A. E., SOGUR N., Project Supported by Higher Education Institutions, İnsansı Robot Elektronik Beyin ve Kafa Kısmı Tasarımı, 2019 - 2021

AKKAYA A. E., KARADAĞ B., Project Supported by Higher Education Institutions, İnsansı Robot Gövde Kol ve El Tasarımı, 2019 - 2021

İNCE K., YILDIRIM S., İNCE C., AKKAYA A. E., KUZU B., TOPAL A., ÇİÇEKLİ M., ADANUR K., GENÇAY A., YEROĞLU C., et al., Project Supported by Higher Education Institutions, Yüksek Öğretim Kurumlarında Bilişim Altyapısının Geliştirilmesi ve Akademik Çalışmalardaki Etkisinin Analizi : İnönü Üniversitesi Örneği, 2018 - 2021

ERTEKİN P., AKKAYA G., BALI O., AKKAYA A. E., KÖKSAL M. S., Project Supported by Higher Education Institutions, International Congress on Gifted and Talented Education (IGATE 2019), 2019 - 2020

KARCI A., İNCE K., AKKAYA A. E., KARADOĞAN A., Project Supported by Higher Education Institutions, International Conference on Artificial Intelligence and Data Processing, 2019 - 2019

AKKAYA G., AKKAYA A. E., BALI O., KÖKSAL M. S., ERTEKİN P., Project Supported by Higher Education Institutions, International Congress on Gifted and Talented Education (IGATE 2018), 2018 - 2019

YEROĞLU C., KARCI A., AKKAYA A. E., Project Supported by Higher Education Institutions, International Conference on Artificial Intelligence and Data Processing (IDAP 2018), 2018 - 2019

Metrics

Publication: 14

Citation (WoS): 2

Citation (Scopus): 1

H-Index (WoS): 1

H-Index (Scopus): 1

Awards

