

Res. Asst. TEVFİK ERKİN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: GLT-6557-2022

ScopusID: 57226392490

Yoksis Researcher ID: 366449

Education Information

Postgraduate, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği, Turkey 2021 - 2023

Undergraduate, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği, Turkey 2019 - 2021

Undergraduate, Necmettin Erbakan University, Faculty Of Aeronautics And Astronautics, Department Of Aircraft Engineering, Turkey 2016 - 2019

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, İmmun plazma algoritması ile insansız hava araçları için sabit irtifa güzergah planlama probleminin çözülmesi, Erciyes University, Fen Bilimleri Enstitüsü, 2023

Research Areas

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Aeronautical and Space Engineering

Academic Titles / Tasks

Research Assistant, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği, 2022 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

1. An immune plasma algorithm based approach for UCAV path planning
Aslan S., Erkin T.

Journal of King Saud University - Computer and Information Sciences, vol.35, no.1, pp.56-69, 2023 (SCI-Expanded)

- II. **A multi-population immune plasma algorithm for path planning of unmanned combat aerial vehicle**
ASLAN S., ERKİN T.
Advanced Engineering Informatics, vol.55, 2023 (SCI-Expanded)

Books & Book Chapters

- I. **Development Autonomous Aerial Refueling for 6DoF Aircraft Model**
Erkin T., Abdo Ö., Şanlı Y., Çelik H., İşçi H.
in: LIFT UP Sanayi Odaklı Lisans Bitirme Projeleri Programı 2020-2021 Projeleri Bildiri Kitabı, Prof. Dr. Fahrettin ÖZTÜRK, Dr. Mehmet Erdem ÇORAPÇIOĞLU, Prof. Dr. Ahmet PINARBAŞI, Dr. Onur JANE, Merve ÖZDEMİR, Asım Asput GÖKSEL, Editor, Reis Dijital Baskı Sistemleri San. Tic. Ltd. Şti., İstanbul, pp.122-126, 2021

Refereed Congress / Symposium Publications in Proceedings

- I. **A New Parallel Artificial Bee Colony Algorithm for Path Planning of Unmanned Aerial Vehicles**
ERKİN T., BAKTIR N., ASLAN S.
2023 Innovations in Intelligent Systems and Applications Conference (ASYU), Sivas, Turkey, 11 October - 13 November 2023, pp.1-6
- II. **Decision Probability based Immune Plasma Algorithm for Path Planning Problem of Unmanned Aerial Vehicles**
Erkin T., Aslan S.
2023 10th International Conference on Recent Advances in Air and Space Technologies (RAST), İstanbul, Turkey, 7 - 09 June 2023, pp.1-6
- III. **Incremental Donor Approach for Immune Plasma Algorithm on Solving Path Planning Problem of UCAV**
ERKİN T., ASLAN S.
2022 International Conference on Artificial Intelligence of Things (ICAIoT), 29 December 2022
- IV. **Lidar Sensör Destekli Dört Rotorlu Hava Aracının Modellenmesi ve Simülasyonu**
ERKİN T., ASLAN S., YILDIZ M.
Savunma Sanayii Sempozyumu ve Sergisi '22, Kayseri, Turkey, 13 - 15 October 2022
- V. **A New Immune Plasma Algorithm Based on Levy Flight**
Erkin T., Aslan S.
2022 30th Signal Processing and Communications Applications Conference (SIU), İstanbul, Turkey, 15 May 2022
- VI. **Vision-Based Autonomous Aerial Refueling**
ERKİN T., Abdo O., Sanli Y., ÇELİK H., İsci H.
AIAA Science and Technology Forum and Exposition, AIAA SciTech Forum 2022, California, United States Of America, 3 - 07 January 2022
- VII. **Control system design for autonomous formation flight Otonom kol uçuşu için kontrol sistemi tasarımı**
Abdo O., Erkin T., ÇELİK H.
29th IEEE Conference on Signal Processing and Communications Applications, SIU 2021, Virtual, Istanbul, Turkey, 9 - 11 June 2021

Supported Projects

ASLAN S., ERKİN T., Project Supported by Higher Education Institutions, İnsansız Hava Araçları için Yapay Zeka Destekli Güzergah Planlama Tekniklerinin Geliştirilmesi, 2024 - Continues

Metrics

Publication: 10

Citation (WoS): 31

Citation (Scopus): 39

H-Index (WoS): 2

H-Index (Scopus): 2

Awards

Erkin T., Aslan S., 2023 Yılı Akademi Ödülleri - Yüksek Lisans Tez Ödülü, Erciyes Üniversitesi, June 2024

Erkin T., Uluslararası Bilimsel Yayınları Teşvik Programı (UBYT), Tübitak, October 2023

Erkin T., Uluslararası Bilimsel Yayınları Teşvik Programı (UBYT), Tübitak, May 2023

Erkin T., 2210-C Yurt İçi Öncelikli Alanlar Yüksek Lisans Burs Programı, Tübitak, February 2023

Erkin T., Uçak Mühendisliği Bölümü, Bölüm 1.'si - Üstün Onur Öğrencisi, Erciyes Üniversitesi, August 2021