

Asst. Prof. UĞUR KILIÇ

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-7069-2018

ScopusID: 57191338888

Yoksis Researcher ID: 22744

Education Information

Doctorate, Eskişehir Technical University, Faculty Of Aeronautical And Space Sciences, Department Of Aviation Electrics And Electronics, Turkey 2016 - 2021

Postgraduate, Firat University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 2013 - 2016

Undergraduate, Firat University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 2008 - 2013

Research Areas

Electrical and Electronics Engineering, Aeronautical and Space Engineering

Academic Titles / Tasks

Assistant Professor, Erzincan Binali Yildirim University, Ali Cavit Çelebioğlu Sivil Havacılık Yüksekokulu, Havacılık Elektrik ve Elektronik Bölümü, 2022 - Continues

Academic and Administrative Experience

Deputy Head of Department, Erzincan Binali Yildirim University, Ali Cavit Çelebioğlu Sivil Havacılık Yüksekokulu, Havacılık Elektrik Ve Elektronik Bölümü, 2023 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A new high-frequency multilevel inverter effecting cables weight and energy efficiency of aircraft**
Can E., Kılıç U.
Aircraft Engineering and Aerospace Technology, vol.96, no.3, pp.458-464, 2024 (SCI-Expanded)
- II. **Deep learning-based forecasting modeling of micro gas turbine performance projection: An experimental approach**
Kılıç U., Villareal-Valderrama F., Ayar M., Ekici S., Amezcua-Brooks L., Karakoc T. H.

Engineering Applications of Artificial Intelligence, vol.130, 2024 (SCI-Expanded)

- III. **Digital twin for Electronic Centralized Aircraft Monitoring by machine learning algorithms**
Kılıç U., Yalın G., Çam Ö.
Energy, vol.283, 2023 (SCI-Expanded)
- IV. **A comparison of the environmental impact of turboprop and turbofan-powered aircraft**
Kılıç U.
Aircraft Engineering and Aerospace Technology, vol.95, no.7, pp.1092-1098, 2023 (SCI-Expanded)
- V. **Performance based analysis for the Ankara-London route in terms of emissions and fuel consumption of different combinations of aircraft/engine: An IMPACT application**
Ekici S., Ayar M., Kılıç U., Karakoc T. H.
Journal of Air Transport Management, vol.108, 2023 (SSCI)
- VI. **Sensor fault detection and reconstruction system for commercial aircrafts**
Kılıç U., Ünal G.
Aeronautical Journal, vol.126, no.1299, pp.889-905, 2022 (SCI-Expanded)
- VII. **Aircraft air data system fault detection and reconstruction scheme design**
Kılıç U., Ünal G.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.93, no.6, pp.1104-1114, 2021 (SCI-Expanded)
- VIII. **The development of a novel knowledge-based weaning algorithm using pulmonary parameters: a simulation study**
Güler H., Kılıç U.
MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING, vol.56, no.3, pp.373-384, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **Ac-Dc multi pulse converter for dc power distribution system in aircraft**
Can E., Kılıç U.
INTERNATIONAL JOURNAL OF MODELLING AND SIMULATION, vol.44, no.3, pp.115-125, 2023 (ESCI)
- II. **Travel option-based environmental comparison between passenger aircraft and high-speed rail**
Kılıç U., Çam Ö.
International journal of energy studies (Online), vol.8, no.3, pp.331-348, 2023 (Peer-Reviewed Journal)
- III. **Deep Learning-Based Airspeed Estimation System for a Commercial Aircraft**
Kılıç U.
Havacılık ve Uzay Teknolojileri Dergisi, vol.16, no.2, pp.20-35, 2023 (Peer-Reviewed Journal)
- IV. **A detailed emission analysis between regional jet and narrow-body passenger aircraft**
Kılıç U.
International journal of energy studies (Online), vol.8, no.2, pp.201-213, 2023 (Peer-Reviewed Journal)
- V. **The Design of Fuzzy Based Weaning Protocol in LabVIEW Environment**
Güler H., Kılıç U., Kaya T.
International Journal Of Artificial Intelligence And Neural Networks, vol.6, no.1, pp.16-20, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Sıcaklık Sensörüne Bağlı Olmadan Uçak İçin Hava Sıcaklığı Değerinin Tahmin Edilmesi**
Kılıç U.
6th International Conference On Health, Engineering and Applied Sciences-ICHEAS, Paris, France, 2 - 04 January 2024, pp.55
- II. **Avrupa'nın En Kirli Şehrinde Hava Kirliliği Dikkate Alınarak En Uygun Uçağın Belirlenmesi**
Kılıç U.

6. International Ankara Multidisciplinary Studies Congress, Ankara, Turkey, 13 - 14 October 2023, pp.1336-1337
- III. **Makine Öğrenmesi Yöntemlerinin Kullanılması ile Uçak İtki Değerinin Tahmin Edilmesi**
Kılıç U.
3rd International Symposium of Scientific Research and Innovative Studies-ISSRIS'23, Balıkesir, Turkey, 15 - 18 March 2023, pp.563-564
- IV. **İç Hat Uçuşları için Yakıt ve Emisyon Analizi**
Kılıç U.
3rd International Conference on Applied Sciences-ICHEAS, Cape-Town, South Africa, 25 - 29 January 2023, pp.92
- V. **Sensor Fault Detection and Fault Isolation Scheme for Unmanned Aerial Vehicle**
Kılıç U., Ünal G.
2nd International Conference on Innovative Research in Science Engineering and Technology, Rome, Italy, 12 - 14 September 2019
- VI. **Using Full-order Observer in the Form of Generalized Observer Scheme to Detect and Isolate Aircraft Sensor Faults in Automatic Flight Control Systems**
Kılıç U., Ünal G., Kıyak E., Ayturan K.
8th International Advanced Technologies Symposium-IATS'17, Elazığ, Turkey, 19 - 22 October 2017, pp.31
- VII. **Pre-diagnosis of Diseases Using Genetic Algorithms**
Ayturan K., Kılıç U., Güllüoğlu M. T.
8th International Advanced Technologies Symposium-IATS'17, Elazığ, Turkey, 19 - 22 October 2017, pp.248
- VIII. **The Design of Fuzzy Based Weaning Protocol in LabVIEW Environment**
Güler H., Kılıç U., Kaya T.
5th International Conference on Advances in Computing, Electronics and Electrical Technology-CEET 2016, Kuala-Lumpur, Malaysia, 12 - 13 March 2016, pp.42-46
- IX. **Analysis of pulmonary and hemodynamic parameters for the weaning process by using fuzzy logic based technology**
Kılıç U., Güllüoğlu M. T., Güler H., Kaya T.
22nd International Conference on Information and Software Technologies, ICIST 2016, Druskininkai, Lithuania, 13 - 15 October 2016, vol.639, pp.119-131

Supported Projects

- Kılıç U., TUBITAK Project, Uçak İçin Derin Öğrenme Tabanlı Arıza Giderme Sistemi, 2024 - 2024
- Kılıç U., TUBITAK Project, İnsansız Hava Araçları için Algılayıcı Arızası Tespiti, Sistemin Yeniden Yapılandırılması ve İzlenmesi, 2022 - 2023
- Ünal G., Kılıç U., Project Supported by Higher Education Institutions, Hava Aracı Sistemi ve Uçuş Durumlarının Matlab-Simulink Aerospace Toolbox da Modellenmesi, 2020 - 2022
- Ünal G., Kılıç U., Ayturan K., Project Supported by Higher Education Institutions, Tam Mertebe Gözleyicinin Adanmış Gözleyici Yapısı ve Genelleştirilmiş Gözleyici Yapısı Şeklinde Kullanılarak Algılayıcı Arızalarının Tespiti ve Ayrımı, 2017 - 2017
- Güllüoğlu M. T., Ayturan K., Kılıç U., Project Supported by Higher Education Institutions, Hastane Bilgi Sistemi Veri Kümelerinden Yararlanılarak SQL Server ile Hastalık Profili Tahmini, 2017 - 2017
- Güllüoğlu M. T., Kılıç U., Project Supported by Higher Education Institutions, Mekanik Ventilatörden Ayırma Başarısı Tahmin Parametrelerinin LabVIEW ile Modellenmesi, 2015 - 2016
- Kılıç U., TUBITAK Project, Yapay Zeka Tabanlı Akıllı Weaning Algoritmasının Geliştirilmesi , 2015 - 2016

Metrics

Publication: 23

Citation (WoS): 13

Citation (Scopus): 21

H-Index (WoS): 3

H-Index (Scopus): 3

Awards

Kılıç U., Winner of BISI - Building Interfaces for Social Inclusion/InnoEvent 2012/DENMARK, University Collage Lillebaelt It And Electronics Engineering, January 2012

Kılıç U., Category Winner of BISI - Building Interfaces for Social Inclusion/InnoEvent 2012/DENMARK, University Collage Lillebaelt It And Electronics Engineering, January 2012