

Assoc. Prof. RAMAZAN KÜRŞAT ÇEÇEN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABC-2446-2020

ScopusID: 57208772113

Yoksis Researcher ID: 186461

Education Information

Doctorate, Anadolu University, Institute Of Science, Hava Trafik Kontrol (Dr), Turkey 2015 - 2018

Postgraduate, Anadolu University, Institute Of Science, Havacılık Elektrik-Elektronik (YI) (Tezli), Turkey 2012 - 2014

Undergraduate, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2006 - 2012

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, Hava trafik akışında gecikmeleri enküçükleyen iki aşamalı çözüm yaklaşımı, Anadolu University, Fen Bilimleri Enstitüsü, Hava Trafik Kontrol (Dr), 2018

Postgraduate, Havada ayırma güvence sistemlerine yeni bir yaklaşım, Anadolu University, Fen Bilimleri Enstitüsü, Havacılık Elektrik-Elektronik (YI) (Tezli), 2014

Research Areas

Aeronautical and Space Engineering

Academic Titles / Tasks

Associate Professor, Eskisehir Osmangazi University, ESKİŞEHİR MESLEK YÜKSEKOKULU, MOTORLU ARAÇLAR VE ULAŞTIRMA TEKNOLOJİLERİ BÖLÜMÜ, 2022 - Continues

Academic and Administrative Experience

Head of Department, Eskisehir Osmangazi University, ESKİŞEHİR MESLEK YÜKSEKOKULU, MOTORLU ARAÇLAR VE

ULAŞTIRMA TEKNOLOJİLERİ BÖLÜMÜ, 2022 - Continues

Meslek Yüksekokulu Kurulu Üyesi, Eskisehir Osmangazi University, ESKİŞEHİR MESLEK YÜKSEKOKULU, MOTORLU ARAÇLAR VE ULAŞTIRMA TEKNOLOJİLERİ BÖLÜMÜ, 2021 - Continues

Assistant Director of Vocational School, Eskisehir Osmangazi University, ESKİŞEHİR MESLEK YÜKSEKOKULU, MOTORLU ARAÇLAR VE ULAŞTIRMA TEKNOLOJİLERİ BÖLÜMÜ, 2021 - Continues

Meslek Yüksekokulu Akademik Kurul Üyesi, Eskisehir Osmangazi University, ESKİŞEHİR MESLEK YÜKSEKOKULU, MOTORLU ARAÇLAR VE ULAŞTIRMA TEKNOLOJİLERİ BÖLÜMÜ, 2021 - Continues

Meslek Yüksekokulu Yönetim Kurulu Üyesi, Eskisehir Osmangazi University, ESKİŞEHİR MESLEK YÜKSEKOKULU, MOTORLU ARAÇLAR VE ULAŞTIRMA TEKNOLOJİLERİ BÖLÜMÜ, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Runway assignment optimisation model for Istanbul Airport considering multiple parallel runway operations**
Güven A., Cetek F. A., ÇEÇEN R. K.
AERONAUTICAL JOURNAL, 2024 (SCI-Expanded)
- II. **A novel stochastic metaheuristic approach for the dynamic utilisation of arrival route structures: modelling of Istanbul Airport point merge system**
Dönmez K., Tükenmez İ., Çeçen R. K.
AERONAUTICAL JOURNAL, vol.2024, no.2024, pp.1-21, 2024 (SCI-Expanded)
- III. **Emission and Flight Time Optimization Model for Aircraft Landing Problem**
ÇEÇEN R. K., SARAÇ T., Cetek C.
TRANSPORTATION RESEARCH RECORD, vol.2677, no.2, pp.763-773, 2023 (SCI-Expanded)
- IV. **A Path Stretching Model for Effective Terminal Airspace Management**
ÇEÇEN R. K.
INTERNATIONAL JOURNAL OF AERONAUTICAL AND SPACE SCIENCES, vol.23, no.5, pp.1043-1052, 2022 (SCI-Expanded)
- V. **A stochastic programming model for the aircraft sequencing and scheduling problem considering flight duration uncertainties**
ÇEÇEN R. K.
AERONAUTICAL JOURNAL, vol.126, no.1304, pp.1736-1751, 2022 (SCI-Expanded)
- VI. **Fuel-Optimal Aircraft Arrival Operations in Extended Terminal Maneuvering Areas**
ÇEÇEN R. K.
TRANSPORTATION RESEARCH RECORD, vol.2676, no.6, pp.330-339, 2022 (SCI-Expanded)
- VII. **Meta-heuristic algorithm for aircraft pre-tactical conflict resolution with altitude and heading angle change maneuvers**
Cecen R. K., SARAÇ T., Cetek C.
TOP, vol.29, no.3, pp.629-647, 2021 (SCI-Expanded)
- VIII. **Multi-objective optimization model for airport gate assignment problem**
ÇEÇEN R. K.
Aircraft Engineering and Aerospace Technology, vol.93, pp.311-318, 2021 (SCI-Expanded)
- IX. **Multi-objective TMA management optimization using the point merge system**
Cecen R. K.
Aircraft Engineering and Aerospace Technology, vol.93, no.1, pp.15-24, 2021 (SCI-Expanded)
- X. **Aircraft sequencing and scheduling in TMAs under wind direction uncertainties**
Cecen R. K., Cetek C., Kaya O.
AERONAUTICAL JOURNAL, vol.124, no.1282, pp.1896-1912, 2020 (SCI-Expanded)
- XI. **Optimising aircraft arrivals in terminal airspace by mixed integer linear programming model**
Cecen R. K., Cetek F. A.
AERONAUTICAL JOURNAL, vol.124, no.1278, pp.1129-1145, 2020 (SCI-Expanded)

- XII. **Conflict-free en-route operations with horizontal resolution manoeuvres using a heuristic algorithm**
Cecen R. K., Cetek C.
AERONAUTICAL JOURNAL, vol.124, no.1275, pp.767-785, 2020 (SCI-Expanded)
- XIII. **A Two-Step Approach for Airborne Delay Minimization Using Pretactical Conflict Resolution in Free-Route Airspace**
Cecen R. K., Cetek C.
JOURNAL OF ADVANCED TRANSPORTATION, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Uçak Çakışma Saptama Ve Çözümleme Problemi için Karma Tam Sayılı Doğrusal Programlama Modeli Yaklaşımı**
ÇEÇEN R. K.
Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, vol.13, no.2, pp.350-358, 2021 (Peer-Reviewed Journal)
- II. **Multi-objective aircraft vector manoeuvre optimisation model**
ÇEÇEN R. K.
International Journal of Sustainable Aviation, 2021 (ESCI)
- III. **The Fuel Consumption Impact of The Turning Point Location for The Point Merge System**
ÇEÇEN R. K.
International Journal of Sustainable Aviation, 2021 (ESCI)
- IV. **En-route Airspace Capacity and Traffic Flow Enhancement using Genetic Algorithms**
ÇEÇEN R. K., ÇETEK C.
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY A - Applied Sciences and Engineering, vol.18, no.1, pp.39-58, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Meta-Heuristic Algorithms for Aircraft Sequencing and Scheduling Problem**
ÇEÇEN R. K., Durmazkeser Y.
in: Progress in Sustainable Aviation, KARAKOÇ TAHİR HİKMET, ÇOLPAN CAN ÖZGÜR, DALKIRAN ALPER, Editor, Springer Cham, Gewerbestrasse, pp.107-118, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **A Brief Assessment of Aircraft Fuel Consumption and Pollutant Emissions for Departure Operations**
ÇEÇEN R. K., DÖNMEZ K.
International Symposium On Sustainable Aviation (ISSA), TAYVAN, 26 July 2023
- II. **Fuel Optimal Aircraft Conflict Resolution under Various Wind Characteristics**
DÖNMEZ K., ÇEÇEN R. K.
ISATECH'22 (International Symposium on Aircraft Technology, MRO and Operations), Belgrade, Serbia, 16 September 2022
- III. **Fuel efficient flight level assignments under wind uncertainties for the conflict resolution problem at the en-route phase**
DÖNMEZ K., ÇEÇEN R. K.
International Symposium On Sustainable Aviation (ISSA), Melbourne, Australia, 03 August 2022
- IV. **Comparison of the speed change and vector maneuver techniques for the conflict resolution problem: Fuel and flight time analysis**
DÖNMEZ K., ÇEÇEN R. K.

International Symposium on Electric Aviation and Autonomous Systems (ISEAS), Maribor, Slovenia, 19 - 21 July 2022

V. THE EFFECT OF TURNING POINT PLACEMENT IN THE POINT MERGE SYSTEM ON TOTAL FUEL CONSUMPTION

ÇEÇEN R. K.

International Symposium on Aircraft Technology, MRO & Operations (ISATECH), Budapest, Hungary, 29 June 2021

VI. Uçakların Havalanlarındaki Taksi Sürelerinin Ve Yolcu Yürüme Mesafelerinin Çok Amaçlı Optimizasyonu

ÇEÇEN R. K.

4.Bilimsel Araştırmalar Kongresi, 14 - 17 February 2019

VII. Uçakların Havaalanlarındaki Park Yeribekleme Sürelerinin Ve Yolcu Yürüme Mesafelerinin Hedef Programlama Kullanılarak En Küçüklenmesi

ÇEÇEN R. K.

4.Bilimsel Araştırmalar Kongresi, 14 - 17 February 2019

VIII. A Multi-Objective Optimization Approach to Arrival and Departure Delays for Single Runway Airport

ÇEÇEN R. K.

International Conference on Multidisciplinary Sciences, İstanbul, Turkey, 15 - 16 December 2018

IX. A Mixed Integer Linear Program Model To Minimize Both Arrival and Departure Delays for Single Runway Airport

ÇEÇEN R. K.

International Conference on Multidisciplinary Sciences, İstanbul, Turkey, 15 - 16 December 2018

X. Hava Sahası Uçuş Seviyesi Optimizasyonu

ÇEÇEN R. K., SARAÇ T., ÇETEK C.

38. Yöneylem Araştırması Endüstri Mühendisliği Ulusal Kongresi, Eskişehir, Turkey, 26 - 29 June 2018

Supported Projects

Çeçen R. K., Çetek C., Çetek F. A., Other International Funding Programs, Development of Common ATC Simulation Training Assessment Criteria Based On Future Pan-European Single-Sky Targets, 2017 - 2020

Çeçen R. K., Çetek C., Project Supported by Higher Education Institutions, Hava Trafik Akışında Gecikmeleri En Azlayan İki Aşamalı Bir Model, 2017 - 2018

Çeçen R. K., Çetek C., Çetek F. A., Project Supported by Higher Education Institutions, Havalimanı Manevra Sahalarında Yer Trafiği Çarpışma Önleme Sistemleri için Hızlı Zamanlı Simülasyonla Tasarım Parametrelerinin Geliştirilmesi, 2014 - 2017

Metrics

Publication: 28

Citation (WoS): 83

Citation (Scopus): 77

H-Index (WoS): 7

H-Index (Scopus): 6