

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-Elektroniği (Yl) (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-Elektroniği (Yl) (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

Director of Vocational School, Eskisehir Osmangazi University, Sivrihisar Meslek Yüksekokulu, Sivrihisar Myo, 2024 -

Continues

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

Head of Department, Eskisehir Osmangazi University, Eskisehir Meslek Yüksekokulu, Motorlu Araçlar Ve Ulaştırma Teknolojileri Bölümü, 2022 - 2024

Vocational School Board Member, Eskisehir Osmangazi University, Eskisehir Meslek Yüksekokulu, Motorlu Araçlar Ve Ulaştırma Teknolojileri Bölümü, 2021 - 2024

Assistant Director of Vocational School, Eskisehir Osmangazi University, Eskisehir Meslek Yüksekokulu, Motorlu Araçlar Ve Ulaştırma Teknolojileri Bölümü, 2021 - 2024

Vocational School Management Board Member, Eskisehir Osmangazi University, Eskisehir Meslek Yüksekokulu, Motorlu Araçlar Ve Ulaştırma Teknolojileri Bölümü, 2021 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Flight Regimes and Environmental Impact: A Linear Regression Analysis of co₂ Emissions for En-Route Air Traffic Operations**
ÇEÇEN R. K.
INTERNATIONAL JOURNAL OF AERONAUTICAL AND SPACE SCIENCES, 2024 (SCI-Expanded)
- II. **Runway assignment optimisation model for Istanbul Airport considering multiple parallel runway operations**
Guven A., Cetek F. A., ÇEÇEN R. K.
AERONAUTICAL JOURNAL, 2024 (SCI-Expanded)
- III. **A novel stochastic matheuristic 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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)

- XI. 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)
- XII. 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)
- XIII. 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)
- XIV. 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. WIND DISTRIBUTION ON AIRCRAFT PERFORMANCE DURING THE CRUISE PHASE OF FLIGHTS BETWEEN ISTANBUL AND PARIS
ÇEÇEN R. K.
International Conference of Aeronautics and Astronautics, 06 November 2024
- II. SEASONAL IMPACTS ON AIR TRAFFIC OPERATIONS: A COMPARATIVE ANALYSIS OF SUMMER AND WINTER FLIGHT PERFORMANCE
ÇEÇEN R. K.
International Conference of Aeronautics and Astronautics, 6 - 08 November 2024

- III. **Sabiha Gökçen Havalimanı için İniş ve Kalkış Operasyonlarının Taksi Hareketlerinde Yakıt Tüketim ve Gaz Salınım Değerlerinin Kısa Bir Değerlendirilmesi**
ÇEÇEN R. K., DÖNMEZ K.
Aviation Technologies and Applications Conference 2023 – ATAConf'23, İzmir, Turkey, 20 - 21 October 2023,
pp.167-170
- IV. **İzmir Adnan Menderes-İstanbul Havalimanı Uçuşları: Hava Trafik Yönetimi ve Optimizasyon İhtiyaçları Üzerine Kısa Bir Analiz**
ÇEÇEN R. K., DÖNMEZ K.
Aviation Technologies and Applications Conference 2023 – ATAConf'23, İzmir, Turkey, 20 - 21 October 2023,
pp.146-148
- V. **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
- VI. **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
- VII. **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
- VIII. **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
- IX. **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
- X. **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
- XI. **Uçakların Havaalanlarındaki Taksi Sürelerinin Ve Yolcu Yürüme Mesafelerinin Çok Amaçlı Optimizasyonu**
ÇEÇEN R. K.
4.Bilimsel Araştırmalar Kongresi, 14 - 17 February 2019
- XII. **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
- XIII. **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
- XIV. **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: 33

Citation (WoS): 101

Citation (Scopus): 94

H-Index (WoS): 7

H-Index (Scopus): 7