

Res. Asst. SONER DEMİREL

Personal Information

Email: sdemirel@erzincan.edu.tr

Web: <https://avesis.ebyu.edu.tr/sdemirel>

International Researcher IDs

ORCID: 0000-0002-1626-9317

ScopusID: 57218948738

Yoksis Researcher ID: 52902

Research Areas

Aeronautical and Space Engineering

Academic Titles / Tasks

Research Assistant, Eskişehir Technical University, Faculty Of Aeronautical And Space Sciences, Department Of Air Traffic Control, 2013 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Optimizing Aircraft Operations in Case of Increasing Demand for Limited Airport Capacity**
DEMİREL S., Çınar E.
European Journal of Transport and Infrastructure Research, vol.25, no.1, pp.86-101, 2025 (SSCI)
- II. **Transit passenger-oriented optimisation of arrival aircraft sequencing**
Demirel S.
Aeronautical Journal, 2024 (SCI-Expanded)
- III. **Determining the Key Factors Affecting Pseudo-Pilot Workload Based on Real-Time Simulations**
Özdemir M., Dönmez K., DEMİREL S.
Transportation Research Record, vol.2677, no.7, pp.718-732, 2023 (SCI-Expanded)
- IV. **Comparison of RECAT-EU and ICAO wake turbulence category on the Point Merge System**
DEMİREL S.
Aeronautical Journal, vol.41, no.2, 2023 (SCI-Expanded)
- V. **The omnidirectional runway with infinite heading as a futuristic runway concept for future free route airspace operations**
Aydoğan E., DEMİREL S.
Aircraft Engineering and Aerospace Technology, vol.94, no.7, pp.1180-1187, 2022 (SCI-Expanded)
- VI. **Handling the pseudo pilot assignment problem in air traffic control training by using NASA TLX**
Dönmez K., Demirel S., Özdemir M.
Journal of Air Transport Management, vol.89, 2020 (SSCI)

Articles Published in Other Journals

- I. **EUROCONTROL SLOT ALLOCATION METHODOLOGY AND NEW APPROACH FOR CALCULATED TAKE**

OFF TIMES (CTOT): ALTERNATIVE CTOT VERSUS CTOT

Çınar E., Demirel S.

Eskişehir Technical University Journal of Science and and Technology A- Applied Sciences and Engineering, vol.18, no.1, pp.69-77, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **A Pseudo-Pilot Workload Assessment Tool Based on NASA-TLX**
Özdemir M., Dönmez K., Demirel S.
SESAR Innovation Days 2020, 7 - 10 December 2020
- II. **Slot Tahsisi Üzerine Yeni Bir Yaklaşım ve Mevcut Havaalanı Kapasitesinin Artırılması**
DEMİREL S., ÇINAR E.
YAEM 2018, Eskişehir, Turkey, 26 - 29 June 2018
- III. **Air Traffic Flow and Capacity Management and A New Process for Slot Message Proposal**
DEMİREL S., ÇINAR E.
9th ANKARA INTERNATIONAL AEROSPACE CONFERENCE, Ankara, Turkey, 20 - 22 September 2017
- IV. **Conflict Points and Air Traffic Problem Resolutions of Air traffic Controllers in İstanbul Airspace**
DEMİREL S., ÇINAR E., OTHAN M. E.
16th International Academic Conference, 12 - 15 May 2015
- V. **Simülasyon Dersi Almış ya da Almakta Olan Öğrencilerin Simülasyon Çalışmaları Hakkında Görüşlerinin Değerlendirilmesi**
ÇINAR E., DEMİREL S., BAYAR S.
V. ULUSAL HAVACILIK VE UZAY KONFERANSI, Kayseri, Turkey, 8 - 10 September 2014
- VI. **DURING HIGHER EDUCATION EVALUATION OF STUDENTS KNOWLEDGE ABOUT THEIR JOB TASKS AIR TRAFFIC CONTROL DEPARTMENT**
DEMİREL S., ÇINAR E., BAYAR S.
International Conference on Education and New Developments 2014, Spain, 28 - 30 June 2014

Supported Projects

Çınar E., Demirel S., Project Supported by Higher Education Institutions, Eurocontrol Slot Tahsis Sürecinin İyileştirilmesi ve Park Yeri Tahsisi için Bir Model Önerisi, 2020 - 2022

Scientific Refereeing

AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, SCI Journal, September 2024

INTERNATIONAL JOURNAL OF AVIATION SCIENCE AND TECHNOLOGY, National Scientific Refreed Journal, August 2024

TRANSPORTATION PLANNING AND TECHNOLOGY, SCI Journal, March 2024

TRANSPORTATION RESEARCH. PART C: EMERGING TECHNOLOGIES, SCI Journal, December 2021

Metrics

Publication: 14

Citation (Scopus): 12

H-Index (Scopus): 1