

## Res. Asst. Mehmet Şirin ARTAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ADR-6997-2022

ScopusID: 57317230900

Yoksis Researcher ID: 271569

### Education Information

Doctorate, Yildiz Technical University, Faculty Of Civil Engineering, Civil Engineering Department, Turkey 2021 - Continues

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, İnşaat Mühendisliği/Ulaştırma, Turkey 2017 - 2021

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, Civil Engineering Department, Turkey 2011 - 2017

### Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Civil Engineering, Civil Engineering Department, 2018 - Continues

Research Assistant, Istanbul Aydın University, Faculty Of Engineering, Department Of Civil Engineering, 2017 - 2018

### Academic and Administrative Experience

Araştırma Görevlisi Fakülte Temsilcisi, Yildiz Technical University, Faculty Of Civil Engineering, Civil Engineering Department, 2022 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

#### I. A stochastic model for reliability analysis of periodic train timetables

Artan M. Ş., Şahin İ.

TRANSPORTMETRICA B-TRANSPORT DYNAMICS, vol.11, no.1, pp.572-589, 2023 (SCI-Expanded)

#### II. Exploring Patterns of Train Delay Evolution and Timetable Robustness

Artan M. Ş., Şahin İ.

IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, vol.23, no.8, pp.11205-11214, 2022 (SCI-Expanded)

### Refereed Congress / Symposium Publications in Proceedings

- I. **A Comparative Analysis of Train Delay Prediction Models for Markov Chains**  
Artan M. Ş., Şahin İ.  
16th World Conference on Transport Research (WCTR), Montreal, Canada, 17 - 21 July 2023
- II. **Tren Gecikmelerinin Doğru Tahmin Edilmesinde Verinin Önemi**  
ARTAN M. Ş., ŞAHİN İ.  
Türkiye İnşaat Mühendisliği 18. Teknik Kongre ve Sergisi, İstanbul, Turkey, 07 November 2022, pp.663-675
- III. **Markov Zincirlerinin Tren Gecikmelerine Uyarlanması ve Markov Matrisleri için İstatistiksel Testler**  
ARTAN M. Ş., ŞAHİN İ.  
40. Yöneylem Araştırması ve Endüstri Mühendisliği (YAEM) Kongresi, İstanbul, Turkey, 4 - 07 July 2021, pp.118-119
- IV. **A Stochastic Model for Railway Network Reliability: Analysis of a Periodic Train Timetable**  
ŞAHİN İ., ARTAN M. Ş.  
8th International Symposium on Transportation Network Reliability (INSTR), Stockholm, Sweden, 16 - 18 June 2021
- V. **Time Dependent and Time Independent Markov Chain Models for Train and Timetable Performance Analysis**  
ARTAN M. Ş., ŞAHİN İ.  
Transportation Research Board (TRB) 100th Annual Meeting, Washington, Kiribati, 25 January 2021
- VI. **Investigation of train delay prediction with homogeneous and non-homogeneous Markov Chains**  
ARTAN M. Ş.  
TRA 2020, Helsinki, Finland, 27 - 30 April 2020, pp.63
- VII. **Statistical Analysis of Punctuality in Railway Operations**  
Artan M. Ş., Şahin İ., Olgay İ.  
OECD Countries Conference on Engineering, Technology and Robotics, Ankara, Turkey, 19 - 20 March 2020, vol.1, pp.23
- VIII. **Evaluation of Time Allowances Used in Railway Operation**  
Artan M. Ş., Şahin İ.  
OECD Countries Conference on Engineering, Technology and Robotics, Ankara, Turkey, 19 - 20 March 2020, vol.1, pp.13-14
- IX. **Kentiçi Raylı Sistemlerde Tren İşletimi Analizi**  
Olgay İ., Suvar U., AKSOY B., Artan M. Ş., ŞAHİN İ.  
13. Ulaştırma Kongresi, Turkey, 10 - 12 October 2019

## Metrics

Publication: 11

Citation (WoS): 2

Citation (Scopus): 18

H-Index (WoS): 1

H-Index (Scopus): 2

## Scholarships

2211-A Yurt İçi Genel Doktora Burs Programı, TUBITAK, 2022 - Continues

## Awards

Artan M. Ş., TRA VISIONS 2020, Rail, Young Researchers' Competiton Shortlisted Project, Tra Visions 2020, Helsinki, May

2020

## **Non Academic Experience**

ÖnTu Adi Ortaklığı