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Personal Information

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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 Aydin 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): 9
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

Non Academic Experience

ÖnTu Adi Ortaklığı