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International Researcher IDs

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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)

Articles Published in Other Journals

- I. **A Comparative Analysis of Train Delay Prediction Models for Markov Chains**
ARTAN M. Ş., ŞAHİN İ.
Transportation Research Procedia, vol.82, pp.822-835, 2025 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **Train Delay Evolution Model Using Continuous Time Markov Processes**
ŞAHİN İ., ARTAN M. Ş.
Conference in Emerging Technologies in Transportation Systems (TRC-30), Hereklion, Girit, Greece, 2 - 04 September 2024
- 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. Yöneyem 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. **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
- VIII. **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
- 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: 13
Citation (WoS): 2
Citation (Scopus): 24
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