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Education Information

Doctorate, Istanbul Technical University, İn aat, İn aat M hendisli i, Turkey 2016 - 2022

Doctorate, University of Toronto, Transportation Research Institute, Department of Civil & Mineral Engineering, Canada 2019 - 2020

Postgraduate, Bogazici University, Faculty Of Engineering, İn aat M hendisli i, Turkey 2014 - 2016

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, İn aat M hendisli i, Turkey 2009 - 2012

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, Geomatic Engineering, Turkey 2008 - 2012

Dissertations

Postgraduate, THE EFFECT OF TRAFFIC APPLICATIONS ON TRAVEL BEHAVIOUR, Bo azi i  niversitesi, Transportation Engineering, Civil Engineering, 2016

Research Areas

Civil Engineering, Transportation Engineering, Transportation Engineering, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, İn aat Fak ltesi, İn aat M hendisli i, 2015 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Examination of the role of safety concerns from autonomous vehicle ownership choice: results of a stated choice experiment in Istanbul, Turkey**
Bakio lu Do anyılmaz G., Salehin M. F., Wang K., Atahan A. O., Habib K. N.
TRANSPORTATION LETTERS-THE INTERNATIONAL JOURNAL OF TRANSPORTATION RESEARCH, vol.14, no.10, pp.1172-1183, 2022 (SCI-Expanded)
- II. **AHP integrated TOPSIS and VIKOR methods with Pythagorean fuzzy sets to prioritize risks in self-driving vehicles**
Bakio lu G., Atahan A. O.

APPLIED SOFT COMPUTING, vol.99, 2021 (SCI-Expanded)

- III. **Accessibility of medical services following an earthquake: A case study of traffic and economic aspects affecting the Istanbul roadway**

Bakioğlu G., Karaman H.

INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION, vol.31, pp.403-418, 2018 (SCI-Expanded)

- IV. **Modeling the effects of real time traffic information on travel behavior: A case study of Istanbul Technical University**

GÖKAŞAR I., Bakioğlu G.

TRANSPORTATION RESEARCH PART F-TRAFFIC PSYCHOLOGY AND BEHAVIOUR, vol.58, pp.881-892, 2018 (SSCI)

Articles Published in Other Journals

- I. **Otonom Araçların Benimsenmesi ve Güvenlik Algılarının İncelenmesi**

BAKİOĞLU G., ATAHAHAN A. O.

Avrupa Bilim ve Teknoloji Dergisi, 2021 (Peer-Reviewed Journal)

- II. **The Effect of User Comments on Traffic Application**

GÖKAŞAR I., BAKİOĞLU DOĞANYILMAZ G.

International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering: Urban and Civil Engineering, vol.10, no.11, pp.1408-1415, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Analysis of Reasons Behind Road Traffic Injuries in Turkey**

Dasgar Y., BAKİOĞLU DOĞANYILMAZ G., ATAHAHAN A. O.

International Graduate Research Symposium (IGRS'22), İstanbul, Turkey, 01 June 2022

- II. **Impact of Socio-Demographic Characteristics on Perceptions towards AVs**

Dasgar Y., BAKİOĞLU DOĞANYILMAZ G., ATAHAHAN A. O.

International Graduate Research Symposium (IGRS'22), İstanbul, Turkey, 01 June 2022

- III. **A Review on Benefits and Security Concerns for Self Driving Vehicles**

Bakioğlu G., Atahan A. O.

18th International Road Federation World Meeting and Exhibition, 2021, Dubai, United Arab Emirates, 7 - 10 November 2021, pp.667-675

- IV. **Investigating the Role of Safety Concerns in Autonomous Vehicle Ownership Choice: A Stated Choice Experiment in Istanbul, Turkey**

BAKİOĞLU DOĞANYILMAZ G., Salehin M. F., Wang K., Habib K. N.

TRANSPORTATION RESEARCH BOARD 100TH ANNUAL MEETING, Washington, Kiribati, 05 January 2021

- V. **Evaluating the Influencing Factors on Adoption of Self-driving Vehicles by Using Interval-Valued Pythagorean Fuzzy AHP**

BAKİOĞLU G., ATAHAHAN A. O.

International Conference on Intelligent and Fuzzy Systems, 21 - 23 July 2020

- VI. **Key issues for integrating smart transportation technologies to promote transit accessibility: Istanbul case study**

ÇALIŞKAN B., BAKİOĞLU DOĞANYILMAZ G., ATAHAHAN A. O.

IRF GLOBAL R2T Conference, Las Vegas, United States Of America, 19 November 2019, pp.259-270

- VII. **İstanbul İli için Toplu Taşıma Sistemlerinin İncelenmesi: Ulaşım Bağlantısı mı Şehir içi Trafik Çözümleri mi Hedeflenmeli?**

BAKİOĞLU G., GÖKAŞAR I.

Transist International Istanbul Transport Congress and Exhibition, Istanbul Congress Center, ICC, İstanbul, Turkey, 8 - 10 November 2018

- VIII. **The Smart City Framework and Assessment of Istanbul's first steps to become a "Smart City"**
ÇALIŞKAN B., DİLEK E., BAKİOĞLU DOĞANYILMAZ G., ATAHAHAN A. O.
IRF GLOBAL R2T CONFERENCE, Las Vegas, United States Of America, 07 November 2018
- IX. **Hospital Accessibility of Istanbul Following an Earthquake**
KARAMAN H., BAKİOĞLU G.
FIG Congress 2018, İstanbul, Turkey, 6 - 11 May 2018, pp.1-13
- X. **GIS-Based Visualization for Estimating Level of Service**
BAKİOĞLU G., DOĞRU A.
FIG 2018, 6 - 11 May 2018
- XI. **Value Engineering Application in the Transportation Industry: A case study for Istanbul**
Çalışkan B., BAKİOĞLU G., ATAHAHAN A. O.
IRF Middle East North Africa RegionalCongress Exhibition - Mobility Solutions for the 21st Century, 29 - 31 October 2017
- XII. **Servis Güzergâhları Optimizasyonu: İTÜ Personel Servisleri Üzerine Bir Çalışma**
BAKİOĞLU G., ATAHAHAN A. O.
TRANSİST2017 Uluslararası Kongresi, 2 - 04 November 2017
- XIII. **Road Safety for Children: A Case Study for Istanbul**
Çalışkan B., BAKİOĞLU G., ATAHAHAN A. O.
IRF Middle East North Africa RegionalCongress Exhibition - Mobility Solutions for the 21st Century, 29 - 31 October 2017
- XIV. **TRAFİK UYGULAMALARI'NIN TRAFİK GÜVENLİĞİNE ETKİSİ**
GÖKAŞAR I., BAKİOĞLU DOĞANYILMAZ G.
7. KARAYOLU TRAFİK GÜVENLİĞİ SEMPOZYUMU, 17 November 2016, pp.249-259
- XV. **A REVIEW OF TRAFFIC APPLICATIONS ON URBAN MOBILITY**
GÖKAŞAR I., BAKİOĞLU DOĞANYILMAZ G.
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 September 2016
- XVI. **İSTANBUL İLİ TRAFİK GÜVENLİĞİ ANA PLAN ÇALIŞMALARI**
AYÖZEN Y. E., BAKİOĞLU DOĞANYILMAZ G., ATAHAHAN A. O.
6. Karayolu Trafik Güvenliği Sempozyumu, Ankara, Turkey, 12 November 2015, pp.115-127
- XVII. **Managing Education by Reviewing Civil Engineers' Perceptions about Their Undergraduate Courses**
BAKİOĞLU A., BAKİOĞLU DOĞANYILMAZ G., BAKİOĞLU G.
International Conference on Disaster Management in Civil Engineering (ICDMCE'2015), Phuket, Thailand, 01 October 2015
- XVIII. **Incident Detection Algorithms A Literature Review**
ATAHAHAN A. O., BAKİOĞLU G., SİLGU M. A., BALÇILAR M., ÖZCANAN S., Büyük M., GÖKAŞAR I., Çelikoğlu h. b.
1st IRF Europe Central Asia Regional Congress Exhibition, İstanbul, Turkey, 15 - 18 September 2015
- XIX. **Kadın İnşaat Mühendislerinin İnşaat Sektöründeki Yeri**
ATABAY Ş., KARAHAN P., BAKİOĞLU DOĞANYILMAZ G.
PYYK 2014 - 3. Proje ve Yapım Yönetimi Kongresi, Antalya, Turkey, 06 November 2014, pp.31

Supported Projects

Bakioğlu Doğanyılmaz G., Yüzer M. A., Atahan A. O., Project Supported by Other Official Institutions, Hatay Ulaşım Ana Planı, 2015 - 2017

Scientific Refereeing

TRANSPORTATION LETTERS, Journal Indexed in SSCI, November 2023

CASE STUDIES ON TRANSPORT POLICY, Journal Indexed in ESCI, July 2023

INTERNATIONAL JOURNAL OF MACHINE LEARNING AND CYBERNETICS, SCI Journal, February 2022
EXPERT SYSTEMS WITH APPLICATIONS, SCI Journal, January 2022
ARTIFICIAL INTELLIGENCE REVIEW, SCI Journal, November 2021
APPLIED SOFT COMPUTING JOURNAL, SCI Journal, October 2021

Metrics

Publication: 26
Citation (WoS): 122
Citation (Scopus): 163
H-Index (WoS): 3
H-Index (Scopus): 4

Non Academic Experience

University of Toronto, Transportation Research Institute, Department of Civil & Mineral Engineering