

Prof. TURAN ARSLAN

Personal Information

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Publons / Web Of Science ResearcherID: AAL-9217-2020

ScopusID: 8858797200

Yoksis Researcher ID: 153269

Education Information

Doctorate, Illinois Institute of Technology, İnşaat Mühendisliği, United States Of America 1997 - 2003

Undergraduate, Yildiz Technical University, Faculty Of Civil Engineering, Civil Engineering Department, Turkey 1989 - 1993

Foreign Languages

English, C1 Advanced

Research Areas

Civil Engineering, Transportation Engineering, Highways, Transportation Engineering, Traffic Engineering, Engineering and Technology

Academic Titles / Tasks

Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2020 - Continues

Associate Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2012 - Continues

Associate Professor, Mustafa Kemal Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2011 - Continues

Assistant Professor, Mustafa Kemal Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2003 - Continues

Courses

INS2003 ÖLÇME BİLGİSİ, Postgraduate, 2017 - 2018

INS3085 ULAŞIM I, Undergraduate, 2017 - 2018

INS3086 ULAŞIM II, Undergraduate, 2017 - 2018

INS5086 KAPLAMA TASARIMI, Postgraduate, 2017 - 2018

INS5087 KENTSEL ULAŞIM SİSTEMLERİ VE PLANLAMASI, Postgraduate, 2017 - 2018

INS2008 MESLEKİ YABANCI DİL II, Undergraduate, 2017 - 2018

END3072 MÜHENDİSLİK EKONOMİSİNE GİRİŞ, Undergraduate, 2017 - 2018

INS5086 KAPLAMA TASARIMI, Doctorate, 2017 - 2018
END3072 MÜHENDİSLİK EKONOMİSİNE GİRİŞ, Postgraduate, 2017 - 2018
INS2008 MESLEKİ YABANCI DİL II, Postgraduate, 2017 - 2018
INS6087 TRAFİK AKIM TEORİSİ, Doctorate, 2017 - 2018
INS6088 TOPLU TAŞIMA, Doctorate, 2017 - 2018
INS2003 ÖLÇME BİLGİSİ, Undergraduate, 2017 - 2018

Advising Theses

Arslan T., Geri yayımlı birlikte evrim ile iyileştirilmiş derin sinir ağları kullanılarak yol çatlak tespiti, Postgraduate, E.MUSTAFA(Student), 2022
Arslan T., Tekerlek-yol etkileşimine dayalı PVDF sensörleriyle uluslararası düzgünlük indeksinin belirlenmesi, Doctorate, M.RİZELİOĞLU(Student), 2022
ARSLAN T., Investigating the effects of speed humps on vehicles and drivers/passengers, Postgraduate, M.Mahdi(Student), 2019
ARSLAN T., Occupational health and safety issues in the highway construction works in Turkey: Data analysis and solutions, Postgraduate, M.Melih(Student), 2016
ARSLAN T., Modelling bursa lrt system as bus rapid transit, Postgraduate, M.Rizelioğlu(Student), 2015
Arslan T., Antakya'daki motosiklet kazalarının incelenmesi, Postgraduate, S.SAĞLAM(Student), 2010
Arslan T., Motorsuz ulaşma yönelik tercih analizi, Postgraduate, N.ÖZKAYA(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Pandemic insights: analyzing public transport with logit models**
RİZELİOĞLU M., DEMİR Ş. G., ARSLAN T.
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-TRANSPORT, no.6, pp.343-357, 2024 (SCI-Expanded)
- II. **Using a Bike as a Probe Vehicle: Experimental Study to Determine Road Roughness with Piezoelectric Sensors**
RİZELİOĞLU M., ARSLAN T., YİĞİT E., Yazıcı M.
JOURNAL OF INFRASTRUCTURE SYSTEMS, vol.30, no.3, 2024 (SCI-Expanded)
- III. **Assessing the Existing Bursa Light Rail Transportation System**
RİZELİOĞLU M., ARSLAN T.
TRANSPORTATION RESEARCH RECORD, vol.2674, no.10, pp.250-260, 2020 (SCI-Expanded)
- IV. **A Psychometric Approach to the VIKOR Method for Eliciting Subjective Public Assessments**
ARSLAN T.
IEEE ACCESS, vol.8, pp.54100-54109, 2020 (SCI-Expanded)
- V. **Development of a precast slim temporary concrete safety barrier STCSB 50 for work zone applications**
Atahan A. O., ARSLAN T., Ganster W., Edl T.
JOURNAL OF TRANSPORTATION SAFETY & SECURITY, vol.11, no.3, pp.287-304, 2019 (SSCI)
- VI. **A Weighted Euclidean Distance based TOPSIS Method for Modeling Public Subjective Judgments**
ARSLAN T.
ASIA-PACIFIC JOURNAL OF OPERATIONAL RESEARCH, vol.34, no.3, 2017 (SCI-Expanded)
- VII. **Collision behaviour of double W-beam transition**
Atahan A. O., Arslan T.
INTERNATIONAL JOURNAL OF HEAVY VEHICLE SYSTEMS, vol.19, no.1, pp.76-91, 2012 (SCI-Expanded)
- VIII. **A hybrid model of fuzzy and AHP for handling public assessments on transportation projects**
Arslan T.
TRANSPORTATION, vol.36, no.1, pp.97-112, 2009 (SCI-Expanded)

- IX. **A rational approach to handling fuzzy perceptions in route choice**
Arslan T., Khisty C.
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol.168, no.2, pp.571-583, 2006 (SCI-Expanded)
- X. **Possibilities of steering the transportation planning process in the face of bounded rationality and unbounded uncertainty**
Khisty C., Arslan T.
TRANSPORTATION RESEARCH PART C-EMERGING TECHNOLOGIES, vol.13, no.2, pp.77-92, 2005 (SCI-Expanded)
- XI. **A rational reasoning method from fuzzy perceptions in route choice**
Arslan T., Khisty C.
FUZZY SETS AND SYSTEMS, vol.150, no.3, pp.419-435, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **Road Crack Detection Using Deep Neural Networks Developed via Cooperative Coevolution with Backpropagation**
ANIK E. M., ARSLAN T.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.29, no.2, pp.555-566, 2024 (Peer-Reviewed Journal)
- II. **A new perspective on STEM education: The possible contributions of architectural education**
Özkan C., ÇEPNİ S., Maratkyzy N., ARSLAN T., DURAK S.
Journal of Turkish Science Education, vol.21, no.3, pp.599-619, 2024 (Scopus)
- III. **Lifli Betonun Çekme Dayanımı Üzerindeki Boyut Etkisinin Üçgen Plaka Deney Yöntemi İle Belirlenmesi**
DELİKTAŞ B., SHAREEF F. A., TÜRKER H. T., MIRKHEEL H. M., ARSLAN T., MAYAR B. A.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, 8, vol.8, no.3, pp.1923-1935, 2020 (Peer-Reviewed Journal)
- IV. **Hız Tümseklerinin Araç ve Sürücüler/Yolcular Üzerindeki Etkilerinin Simülasyon Yöntemi ile Araştırılması**
ARSLAN T., Hossainy M.
Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Dergisi, vol.3, no.1, pp.11-16, 2020 (Peer-Reviewed Journal)
- V. **A comparison of LRT with an imaginary BRT system in performance: Bursa example**
RİZELİOĞLU M., ARSLAN T.
CASE STUDIES ON TRANSPORT POLICY, vol.8, no.1, pp.135-142, 2020 (ESCI)
- VI. **Traffic Safety at Median Ditches: Steel vs. Concrete Barrier Performance Comparison Using Computer Simulation**
Yucel A. O., Atahan A. O., ARSLAN T., SEVİM U. K.
SAFETY, vol.4, no.4, 2018 (ESCI)
- VII. **ANTAKYA'DA MEYDANA GELEN MOTOSİKLET KAZALARININ İNCELENMESİ**
ARSLAN T., Selçuk S.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.22, no.3, 2017 (Peer-Reviewed Journal)
- VIII. **Türkiye'nin İlk Yerli Tramvayı İpekböceği Hattı Üzerine Bir Analiz**
Şimit K. O., RİZELİOĞLU M., ARSLAN T.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.21, no.2, 2016 (Peer-Reviewed Journal)
- IX. **ESTIMATION OF DELAY AND VEHICLE STOPS AT SIGNALIZED INTERSECTIONS USING ARTIFICIAL NEURAL NETWORK**
DOĞAN E., AKGÜNGÖR A. P., ARSLAN T.
ENGINEERING REVIEW, vol.36, no.2, pp.157-165, 2016 (ESCI)
- X. **Evaluation of Organizational Problems in Urban Transportation: Antakya Example**
Arslan T., Murat Y. S.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGISİ, vol.17, no.1, pp.33-41, 2011 (ESCI)
- XI. **Kent Ulaşımında Organizasyonel Sorunların Değerlendirilmesi: Antakya Örneği**

ARSLAN T., MURAT Y. Ş.

Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.17, no.1, pp.33-41, 2011 (ESCI)

Books & Book Chapters

- I. **BURSA'DA MOTORSUZ ULAŞIM: NİLÜFER BÖLGESİ**
ARSLAN T.
in: Bursa'da Ulaşım ve Beklentiler, Nezaket Özdemir Bircan, Editor, M ümin Ceylan Bursa Kültür Kaynakları Araştırma Kütüphanesi Yayını:7, Bursa, pp.8599, 2018
- II. **KENT İÇİ TOPLU ULAŞIM VE YAŞANABİLİR ŞEHİRLER II CİLT**
AKIN D., GÜNAY B., ERDEMİR G., Gündoğan F., ARSLAN T., MURAT Y. Ş., Özkan G.
İstanbul Ulaşım A.Ş., 2015
- III. **KENT İÇİ TOPLU ULAŞIM VE YAŞANABİLİR ŞEHİRLER I CİLT**
AKIN D., GÜNAY B., MURAT Y. Ş., ARSLAN T., ERDEMİR G., Gündoğan F., Özkan G.
İstanbul Ulaşım A.Ş., 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **Social-Ecological Neighborhood Approach in the Face of Climate Change**
Aytaç D. Ö., ARSLAN T.
3rd Euro-Mediterranean Conference for Environmental Integration, EMCEI 2021, Sousse, Tunisia, 10 - 13 June 2021, pp.645-647
- II. **AN INVESTIGATION OF THE SEAT BELT DETECTION PERFORMANCE OF YOLOv5 AND YOLOv8 DEEP LEARNING APPLICATIONS**
DEMİR Ş. G., ARSLAN T.
BILTEK VIII-International Symposium on Current Developments in Science, Technology and Social Sciences, Paris, France, 24 - 26 October 2023
- III. **OBJECT DETECTION FOR SEATBELT DETECTION: A COMPARISON OF YOLOv3 AND YOLOv4**
DEMİR Ş. G., ARSLAN T.
VI. INTERNATIONAL ANKARA MULTIDISCIPLINARY STUDIES CONGRESS, Turkey, 13 - 14 October 2023
- IV. **A new method to determine international roughness index with pvdf sensors utilizing tire-road interaction**
RİZELİOĞLU M., YAZICI M., YİĞİT E., ARSLAN T.
HAGIA SOPHIA 6.INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY SCIENTIFIC STUDIES, İstanbul, Turkey, 02 June 2023
- V. **The Effect Of Covid-19 Pandemic On Travel Preferences: Bursa Example**
Taç Ş. G., Rizelioğlu M., Arslan T.
International Antalya Scientific Research and Innovative Studies Congress, Antalya, Turkey, 18 - 21 December 2021, pp.588-589
- VI. **Hız Tümseklerin Araç ve Yolcu Üzerindeki Etkilerinin Araştırılması**
Hossainy M. M., ARSLAN T.
International Conference on Innovation, Sustainability, Technology and Education in Civil Engineering (iSTE-CE'xx2019), Hatay, Turkey, 13 - 15 June 2019, pp.1046-1052
- VII. **TRAFFIC SAFETY AT MEDIAN DITCHES: STEEL VS CONCRETE BARRIER PERFORMANCE COMPARISON USING COMPUTER SIMULATION**
ATAHAN A. O., YÜCEL A. Ö., ARSLAN T., SEVİM U. K.
UThe 18th International Conference on Machine Design and Production, 3 - 06 July 2018
- VIII. **Assessing the Performance of Bursa LRT System: LRT vs BRT**
RİZELİOĞLU M., ARSLAN T.

1st International Advanced Researches and Engineering Congress, 16 - 18 October 2017

- IX. **Development of a Precast Slim Temporary Concrete Safety Barrier STCSB 50 for Work Zone Applications**
ATAHAN A. O., Ganster W., Edl T., ARSLAN T.
First International Roadside Safety Conference - Safer Roads, Saving Lives, Saving Money, 12 - 15 June 2017
- X. **A study on motorcycle accidents: Antakya example**
Selçuk S., ARSLAN T., RİZELİOĞLU M.
2nd International Conference on Civil and Environmental Engineering, ICOCEE, 8 - 10 May 2017
- XI. **Modeling Bursa LRT System as Metrobus A Capacity Analysis**
RİZELİOĞLU M., ARSLAN T.
ACE 2016, 21 - 23 September 2016
- XII. **Comparing Performance of Bursa LRT with an Imaginary BRT System**
RİZELİOĞLU M., ARSLAN T.
19th EURO Working Group on Transportation Meeting, EWGT2016, 5 - 07 September 2016
- XIII. **Türkiye'nin İlk Yerli Tramvayı İpekböceği ve Bursa T1 Tramvay Hay Güzergahı Üzerine Bir Analiz**
Şimit K. O., RİZELİOĞLU M., ARSLAN T.
7. Kentsel Altyapı Sempozyumu / 13-14 Kasım 2015, Trabzon, Trabzon, Turkey, 13 - 14 November 2015
- XIV. **Duble Yollarda Drenaj Kanalı Kenarına Yerleştirilecek Otokorkulukların Yeterliğinin İncelenmesi**
YÜCEL A. Ö., ATAHAN A. O., ARSLAN T., SEVİM U. K.
10. TMMOB İnşaat Mühendisleri Odası 10. Ulaştırma Sistemleri, Turkey, 25 - 27 September 2013
- XV. **A Preference Analysis on Non-Motorized Transportation**
özkaya n., ARSLAN T.
9th International Congress on Advances in Civil Engineering, Trabzon, Turkey, 07 January 2010
- XVI. **ELECTRE Approach for Decision Support Model in Transportation Project**
KARACASU M., ARSLAN T.
9th International Congress on Advances in Civil Engineering, Trabzon, Turkey, 01 January 2010, pp.27-30
- XVII. **Decision Support Methods for Public Participation on Transportation Project Selection Process**
ARSLAN T., KARACASU M.
1st International Fuzzy Systems Symposium, Ankara, Turkey, 01 January 2009
- XVIII. **Bulanık Mantık ve Analitik Hiyerarşi Yöntemini İçeren bir Hibrid Karar Destek Modeli**
ARSLAN T., KARACASU M.
Bilimde Modern Yöntemler Sempozyumu, Eskişehir, Turkey, 21 January 2008, pp.289-300
- XIX. **An Analysis of Energy Use in Turkish Railroads**
CANSIZ Ö. F., ARSLAN T., ÇUBUK M. K., ÇALIŞICI M.
2nd International Railway Symposium, İstanbul, Turkey, 14 January 2008, pp.287-305
- XX. **An Investigation of Energy Loss in Turkey Due to Decreasing Share of Freight Transportation on Railroad**
CANSIZ Ö. F., ARSLAN T., ÇUBUK M. K., ÇALIŞICI M.
2nd International Railway Symposium, İstanbul, Turkey, 07 January 2008, pp.241-254
- XXI. **Evaluating Public Assessments on Transportation Projects in the Presence of Fuzzy Numbers**
ARSLAN T., KARACASU M.
8th International Congress on Advances in Civil Engineering, Famagusta, Cyprus (Kktc), 01 January 2008
- XXII. **Antakya Trafiği Sorunları ve Çözüm Önerileri**
ARSLAN T.
5. Ulusal Kentsel Altyapı Ulusal Sempozyumu, Hatay, Turkey, 01 January 2007
- XXIII. **A Heuristic Approach for Processing Public Assessments on Transportation Projects**
ARSLAN T., KARACASU M.
Mathematical Methods in Engineering, International Symposium, Ankara, Turkey, 01 April 2006
- XXIV. **A Heuristic Rational Approach to Handling Fuzzy Perception in Route Choice**
ARSLAN T., khisty J.
10th World Conference on Transportation Research, İstanbul, Turkey, 01 January 2004

XXV. A psychometric approach for ranking fuzzy numbers

ARSLAN T., khisty J.

Proceedings of the 13th Mini-Euro Conference Handling Uncertainty in the Analysis of Traffic and Transportation Systems, 01 May 2002, pp.48-52

Metrics

Publication: 51

Citation (WoS): 157

Citation (Scopus): 187

H-Index (WoS): 7

H-Index (Scopus): 6