

## Prof. BANİHAN GÜNAY

### Personal Information

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**Address:** Akdeniz University, Faculty of Engineering, 07070 Antalya, Turkey

### International Researcher IDs

ScholarID: brbEueYAAAAJ

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Publons / Web Of Science ResearcherID: A-8700-2008

ScopusID: 16238825100

Yoksis Researcher ID: 11328

### Biography

Prof Gunay holds a BSc (hons) degree in Civil Engineering. He then received his MSc and PhD degrees in Transportation Engineering both from the University of Newcastle, UK. He worked as Lecturer at Ulster University, UK. In 2014 he became Full Professor at Akdeniz University, Turkey.

### Education

Masters (Non-Thesis, Evening Education), University of Ulster, Faculty Of Education, Postgraduate Certificate İn University Teaching (Pgcut), United Kingdom 2001 - 2002

Doctorate, University of Newcastle Upon Tyne, Faculty Of Engineering / Transport Operations Research Group, Transport Operations Research Group, United Kingdom 1996 - 2000

Postgraduate, University of Newcastle Upon Tyne, Faculty Of Engineering/Transport Operations And Research Group, Transportation Engineering And Operations, United Kingdom 1994 - 1996

Undergraduate, Akdeniz University, Faculty Of Engineering, Department of Civil Engineering, Turkey 1987 - 1991

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Project Management, TUBITAK 1001 Proje eğitimi, Afyon Kocatepe Üniversitesi, 2023

IT, Akıllı Ulaşım Sistemleri Türkiye Mimarisini Oluşturma Eğitimi (Dr Robert s. Jaffe), Karayolları Genel Müdürlüğü AUS Danışmanlık Projesi Alba Hotel (28/04/2014), Ankara, 2014

IT, Transit Assignment Modelling Training Martin-Niemöler-Haus (with VISSUM) (22-25/04/2013), PTV, Frankfurt, Germany, 2013

Other, Introduction to Transport Modelling Short Course II (25/02/2008), University of Ulster, Faculty of Engineering, School of The Built Environment, UK, 2008

Other, Introduction to Transport Modelling Short Course I (30/11/2007), University of Ulster, Faculty of Engineering, School of The Built Environment, UK, 2007

IT, Introduction to OPUS, Staff Development (03/10/2007), University of Ulster, UK, 2007

Education Management and Planning, Appraisee briefing for Built Environment, Staff Development (26/01/2007), University of Ulster, UK, 2007

Education Management and Planning, Disability awareness for academic staff, Staff Development (03/05/2006), University of Ulster, UK, 2006

Education Management and Planning, Placement Management System Workshop (08/02/2006), University of Ulster, UK, 2006

Education Management and Planning, Interpreting for the PSNI (15/03/2005), NICEM Education and Training Officer, 2005

Education Management and Planning, Equality and diversity awareness, Staff Development (26/02/2005), University of Ulster, UK, 2005

Education Management and Planning, Introduction to PDP in the Faculty of Engineering, Staff Development (21/06/2004), University of Ulster, UK, 2004

IT, PTRC Transport Modelling Short Course (16-18/03/2004), PTRC, London, UK, 2004

IT, WebCT Training, Staff Development (29/09/2003), University of Ulster, UK, 2003

Logistics, Road Safety Audit, Jordanstown (12/06/2003), University of Ulster, UK, 2003

Education Management and Planning, Delivery of teaching: Rethinking physical accommodation; student interaction (19/03/2003), University of Ulster, UK, 2003

Education Management and Planning, Supervision of Research Students, Staff Development (10/03/2003), University of Ulster, UK, 2003

Other, Managing your time, Staff Development (26/02/2003), University of Ulster, UK, 2003

Other, Built Environment Research Network Leadership (24-25/10/2002), Manchester, UK, 2002

IT, Videoconference Training, Staff Development (21/03/2002), University of Ulster, UK, 2002

Education Management and Planning, Postgraduate Certificate in University Teaching (PgCUT), University of Ulster, UK, 2002

Education Management and Planning, Peer observation for Built Environment, Staff Development (13/01/2002), University of Ulster, UK, 2002

Education Management and Planning, Subject development for Engineering, Staff Development (28/09/2001), University of Ulster, UK, 2001

Education Management and Planning, Academic Induction Follow-up, Staff Development (11/05/2001), University of Ulster, UK, 2001

Education Management and Planning, ILT Learning Outcomes and Assessment, Staff Development (30/03/2001), University Ulster and Queens University Belfast, UK, 2001

Education Management and Planning, Assessment and Plagiarism, Staff Development (15/03/2001), University of Ulster, UK, 2001

Education Management and Planning, Academic Induction, Staff Development (23/01/2001), University of Ulster, UK, 2001

Education Management and Planning, Peer Observation for Engineering (29/01/2001), University of Ulster, UK, 2001

Education Management and Planning, Programme Specification, Staff Development (24/01/2001), University of Ulster, UK, 2001

## Dissertations

Doctorate, Investigation of low lane discipline on uninterrupted multilane traffic flows (Prof Michael GH Bell), University of Newcastle Upon Tyne, Faculty Of Engineering, Civil Engineering - Transport, 2000

Postgraduate, An assessment of system optimising route guidance with reference to Istanbul (Prof Michael GH Bell), University of Newcastle Upon Tyne, Faculty Of Engineering, Transportation Eng. And Operations, 1996

## Research Areas

Civil Engineering, Transportation Engineering, Highways, Transportation Engineering, Traffic Engineering, Road Materials, Industrial Engineering, Supply Chain and Logistics Management, Engineering and Technology

## Academic Positions

Professor, Akdeniz University, Faculty of Engineering, Department of Civil Engineering, 2014 - Continues  
Associate Professor, Akdeniz University, Faculty of Engineering, İnşaat Mühendisliği, 2010 - 2014  
Other, University of Ulster, Faculty Of Engineering, School Of The Built Environment, 2002 - 2009

## Academic and Administrative Experience

Akdeniz University, İnşaat Mühendisliği, 2010 - Continues  
diğer, Akdeniz University, 2015 - 2016  
Rectorate Commissioner, Akdeniz University, 2015 - 2016  
diğer, Akdeniz University, Rectorate, 2015 - 2016  
diğer, Akdeniz University, 2013 - 2016  
diğer, Akdeniz University, Institute Of Science, 2012 - 2016  
Assistant Director of the Institute, Akdeniz University, Institute Of Science, 2012 - 2016  
Akdeniz University, İnşaat Mühendisliği, 2012 - 2014

## Courses

### Doctorate

Trafik Mühendisliği ve Uygulamaları 2, Doctorate, 2022 - 2023  
Ulaşım Planlaması ve Modellemesi, Doctorate, 2011 - 2012

### Postgraduate

Trafik Mühendisliği ve Uygulamaları, Postgraduate, 2024 - 2025  
Trafik Mühendisliği ve Uygulamaları 1, Postgraduate, 2023 - 2024  
Trafik Akım Teorisi, Postgraduate, 2014 - 2015  
Trafik Mühendisliği ve Yönetimi, Postgraduate, 2012 - 2013  
Akıllı Ulaşım Sistemleri, Postgraduate, 2012 - 2013

### Undergraduate

Trafik Mühendisliği'ne Giriş, Undergraduate, 2023 - 2024  
Karayolu Mühendisliği, Undergraduate, 2024 - 2025  
Ulaştırma Planlaması, Undergraduate, 2022 - 2023  
Toprak İşleri, Undergraduate, 2012 - 2013  
Transport Technology (University of Ulster), Undergraduate, 2007 - 2008  
Inventory Management & Warehousing (Univ. of Ulster), Undergraduate, 2001 - 2002

## Supervised Theses

GÜNAY B., Şehiriçi yolağlarında bir kalite göstergesi olarak güzergah rasyonellik skalalarının (GRS) oluşturulması ve örnek şehirler üzerinde denenmesi, Postgraduate, K.Akgöl(Student), 2012  
GÜNAY B., Interchange and Travel Choice, implications for modal shift (till 2010), Doctorate, J.McGrath(Student), 2010  
GÜNAY B., Accessibility & Transport Disadvantage in the city of Belfast (till 2010), Doctorate, S.M.(Student), 2010  
GÜNAY B., Examination of activity spaces in rural Northern Ireland, Doctorate, L.Kamruzzaman(Student), 2010

GÜNEY B., Evaluation of Pretreatment Process in Powder Painting in Automotive Industry, Doctorate, B.Tepe(Student), 2009

GÜNEY B., Chaotic behaviour in looped car following models, Doctorate, S.Gibson(Student), 2007

GÜNEY B., How to influence modal shift; Belfast Southern approaches, Postgraduate, G.Hamilton(Student), 2007

GÜNEY B., Investigation into non-salt based methods of anti-icing pavements, Doctorate, W.John(Student), 2007

GÜNEY B., An investigation into the effects of sleep deprivation on driving performance, Doctorate, I.Haran(Student), 2004

GÜNEY B., A study of the characteristics of school travel with particular interest in car usage, Doctorate, J.Seymour(Student), 2004

## **Jury Memberships**

Associate Professor Exam, Doçentlik Sınav Jürisi, İSTANBUL TEKNİK ÜNİVERSİTESİ, March, 2016

Doctorate, Doktora tezi (C Kalyoncuoğlu), İSTANBUL TEKNİK ÜNİVERSİTESİ, March, 2016

Appointment to Academic Staff-Assistant Professorship, Profesörlük Kadrosuna Atama, YÖK, February, 2016

Associate Professor Exam, Doçentlik Sınavı, İstanbul Teknik Üniversitesi, October, 2014

Academic Staff Examination, Yrd Doç Yabancı Dil Sınavı, Akdeniz University, November, 2013

Doctorate, Emre Uz, Süleyman Demirel University, July, 2013

Post Graduate, C Çilek (Yedek), Akdeniz University, June, 2013

Post Graduate, H Kaplan (Yedek), Akdeniz University, June, 2013

Appointment to Academic Staff-Assistant Professorship, Yrd Doç Ataması, Mehmet Akif Ersoy University, September, 2012

Appointment to Academic Staff-Assistant Professorship, Yrd Doç Ataması, Atatürk University, February, 2012

Doctorate, A Tunay (Yedek), Akdeniz University, December, 2011

Post Graduate, Ercan Akkoç, Süleyman Demirel University, December, 2011

Appointment to Academic Staff-Assistant Professorship, Yrd Doç Ataması, Atatürk University, August, 2011

Academic Staff Examination, Yrd Doç Yabancı Dil Sınavı, Akdeniz University, June, 2011

Appointment to Academic Staff-Assistant Professorship, Yrd Doç Ataması, Akdeniz University, February, 2011

Academic Staff Examination, Yrd Doç Yabancı Dil Sınavı, Akdeniz University, January, 2011

Doctorate, Fadime Selcan Özen (Yedek), Süleyman Demirel University, December, 2010

Doctorate, CJ Hillis, University of Ulster, January, 2009

Doctorate, S Mackey, University of Ulster, August, 2005

Appointment to Academic Staff-Assistant Professorship, KTP Associate Ms Carrie-AnnBoyle, University of Ulster, June, 2005

Doctorate, R Shahmohammadi, University of Ulster, March, 2005

Doctorate, M MacNicholas, University of Ulster, January, 2004

Doctorate, J Jellie, University of Ulster, January, 2003

Doctorate, F Afandi, University of Ulster, May, 2001

Doctorate, R Al-Gasas, University of Ulster, May, 2001

Doctorate, D Widajat, University of Ulster, January, 2001

Doctorate, H Clements, University of Ulster, January, 2001

Doctorate, S Obert, University of Ulster, November, 2000

## **Journal articles indexed in SCI, SSCI, and AHCI**

- I. **Varying Levels of Lateral Acceleration Supplied on Interchange Loops with No Speed Signs for Guidance**  
GÜNEY B.  
Transportation Research Record, 2025 (SCI-Expanded)

- II. **Observations on the Horizontal Bends of Rural Roads Whose Plan Sheets Never Existed**  
GÜNAY B.  
Transportation Research Record, 2024 (SCI-Expanded)
- III. **Design Issues in Widening of Unspiraled Horizontal Curves**  
Gunay B.  
TRANSPORTATION RESEARCH RECORD, vol.2677, no.11, pp.124-134, 2023 (SCI-Expanded)
- IV. **Sliding and Rollover on Highways - Subtleties to Note**  
Gunay B.  
TEKNIK DERGI, vol.33, no.4, pp.12329-12334, 2022 (SCI-Expanded)
- V. **Geometric optimisation of chicanes using driving simulator trajectory data**  
Akgol K., Gunay B., Aydın M. M.  
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-TRANSPORT, vol.175, no.4, pp.238-248, 2022 (SCI-Expanded)
- VI. **Performance Comparison of Various Chicane Types: A Driving Simulator Study**  
Aydın M. M., Gunay B., Akgol K.  
INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, vol.17, no.11A, pp.1753-1765, 2019 (SCI-Expanded)
- VII. **The investigation of different chicane applications in traffic calming studies by using driving simulator**  
Aydın M. M., Akgol K., Gunay B.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, no.4, pp.1793-1805, 2019 (SCI-Expanded)
- VIII. **Rationality of route layouts as a quality indicator of urban road networks**  
Gunay B., Akgol K., Raveau S.  
URBAN DESIGN INTERNATIONAL, vol.23, no.2, pp.132-144, 2018 (SSCI)
- IX. **The Use of the Monte Carlo Method for the Rationality Calculations of Urban Road Networks**  
Akgol K., Gunay B.  
TEKNIK DERGI, vol.29, no.1, pp.8153-8165, 2018 (SCI-Expanded)
- X. **Estimation of Modal Shift Potential for a New Form of Dial-A-Ride Service**  
Gunay B., Akgol K., Andreasson I., TERZİ S.  
JOURNAL OF PUBLIC TRANSPORTATION, vol.19, no.2, pp.75-88, 2016 (SSCI)
- XI. **An Application of the Ball-bank Technique for the Evaluation of Horizontal Curves**  
Gunay B., Fişekçioğlu Y.  
TEKNIK DERGI, vol.26, no.3, pp.7167-7182, 2015 (SCI-Expanded)
- XII. **Using automatic number plate recognition technology to observe drivers' headway preferences**  
Gunay B.  
JOURNAL OF ADVANCED TRANSPORTATION, vol.46, no.4, pp.305-317, 2012 (SCI-Expanded)
- XIII. **Traffic microsimulation scenario tests by the Taguchi method**  
Gunay B., Hınıslıoğlu S.  
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-TRANSPORT, vol.164, no.1, pp.33-42, 2011 (SCI-Expanded)
- XIV. **Using GIS to visualise and evaluate student travel behaviour**  
Kamruzzaman M., Hine J., Gunay B., Blair N.  
JOURNAL OF TRANSPORT GEOGRAPHY, vol.19, no.1, pp.13-32, 2011 (SSCI)
- XV. **Rheological and electrical properties of modified bitumen**  
Rodgers W. J., Gunay B., Woodside A.  
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-TRANSPORT, vol.163, no.4, pp.175-182, 2010 (SCI-Expanded)
- XVI. **Rationality of a non-lane-based car-following theory**  
Gunay B.  
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-TRANSPORT, vol.162, no.1, pp.27-37, 2009 (SCI-Expanded)

- XVII. **Evaluation of pre-treatment processes for HRS (hot rolled steel) in powder coating**  
Tepe B., Gunay B.  
PROGRESS IN ORGANIC COATINGS, vol.62, no.2, pp.134-144, 2008 (SCI-Expanded)
- XVIII. **A methodology on the automatic recognition of poor lane keeping**  
Gunay B.  
JOURNAL OF ADVANCED TRANSPORTATION, vol.42, no.2, pp.129-149, 2008 (SCI-Expanded)
- XIX. **Detection algorithms of intentional car following on smart networks: A primary methodology**  
Gunay B.  
TRANSPORTATION PLANNING AND TECHNOLOGY, vol.30, no.6, pp.627-642, 2007 (SCI-Expanded)
- XX. **Car following theory with lateral discomfort**  
Gunay B.  
TRANSPORTATION RESEARCH PART B-METHODOLOGICAL, vol.41, no.7, pp.722-735, 2007 (SCI-Expanded)
- XXI. **Lateral position of traffic negotiating horizontal bends**  
Gunay B., Woodward D.  
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-TRANSPORT, vol.160, no.1, pp.1-11, 2007 (SCI-Expanded)
- XXII. **An investigation of lane utilisation on Turkish highways**  
Gunay B.  
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-TRANSPORT, vol.157, no.1, pp.43-49, 2004 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Sıfır Poligonu konusunun işleniş sorunları**  
GÜNAY B.  
GEOMATİK, vol.8, no.1, pp.55-60, 2023 (ESCI)
- II. **A new method to measure the rationalities of transit route layouts**  
Akgol K., Gunay B., Eldemir F., Samasti M.  
CASE STUDIES ON TRANSPORT POLICY, vol.8, no.4, pp.1518-1530, 2020 (ESCI)
- III. **Ortalama Hız Tespit Sistemlerinin Doğrulama Metodolojisi**  
GÜNAY B., AKGÖL K.  
Gazi Mühendislik Bilimleri Dergisi, vol.6, no.1, pp.16-31, 2020 (Peer-Reviewed Journal)
- IV. **AN OVERVIEW OF HORIZONTAL TRAFFIC CALMING SYSTEMS THAT ARE NOT CURRENTLY IN USE IN TURKEY**  
Aydin M. M., Gunay B.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.7, no.2, pp.137-151, 2016 (ESCI)
- V. **An Overview of Horizontal Traffic Calming Systems That Are Not Currently In Use In Turkey (in press)**  
GÜNAY B., Aydın M. M.  
Sigma Journal of Engineering and Natural Sciences, vol.34, no.1, pp.1-11, 2016 (ESCI)
- VI. **Prediction of Modal Shift Using Artificial Neural Networks**  
AKGÖL K., AYDIN M. M., ASILKAN Ö., GÜNAY B.  
Journal of Technology, Education, Management, Informatics, vol.3, no.3, pp.223-229, 2014 (Peer-Reviewed Journal)
- VII. **Lessons learnt from the transport provision on the island of Ireland – political observations**  
GÜNAY B., McGrady G.  
Transport Problems, vol.8, no.2, pp.35-46, 2013 (Scopus)
- VIII. **Lateral analysis of longitudinal headways in traffic flow**  
GÜNAY B.

International Journal of Engineering and Applied Sciences, vol.3, no.2, pp.90-100, 2011 (Scopus)

- IX. **Enine İvme ve Sademe Formülleri Üzerine Bir Eleştiri**  
GÜNAY B.  
SÜLEYMAN DEMİREL ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.15, no.1, pp.56-59, 2011 (Peer-Reviewed Journal)
- X. **Using wavelet transforms for better interpretation of traffic simulation**  
GÜNAY B., Erdemir G.  
Traffic Engineering and Control, vol.50, no.10, pp.450-453, 2009 (Scopus)
- XI. **Evaluation Of Environmentally Friendly Zr Based Nano Structured Conversion Coating For Hrs In Powder Coating**  
Tepe B., GÜNAY B.  
Defect and Diffusion Forum, vol.283, pp.316-322, 2009 (Scopus)
- XII. **Environmentally Friendly Conversion Coating Applications For Hrs Prior To Powder Coating Application**  
Tepe B., GÜNAY B.  
Nanotechnology Research Journal, vol.2, no.1, pp.117-145, 2008 (Scopus)
- XIII. **Face-to-face interviews with motorists who admit to drink driving in rural N. Ireland**  
GÜNAY B., Haran I.  
Traffic Engineering and Control, vol.46, no.10, pp.376-379, 2005 (Scopus)
- XIV. **Methods to quantify the discipline of lane-based-driving**  
GÜNAY B.  
Traffic Engineering and Control, vol.44, no.1, pp.22-27, 2003 (Scopus)
- XV. **Ulster transport skills go around the world**  
Woodside A., Hine J., GÜNAY B.  
Plant and Civil Engineer., vol.12, no.43, pp.1-2, 2002 (Non Peer-Reviewed Journal)
- XVI. **Road safety in Northern Ireland**  
Günay B., Haran I.  
Journal of International Association of Traffic and Safety Sciences, vol.26, no.2, pp.115-117, 2002 (Scopus)
- XVII. **An overview of longitudinal characteristics of road traffic flow**  
GÜNAY B.  
Pamukkale University Journal of Engineering Sciences, vol.8, no.2, pp.247-254, 2002 (Peer-Reviewed Journal)
- XVIII. **An overview of the lateral properties of road traffic flow**  
GÜNAY B.  
Traffic Engineering and Control, vol.42, no.11, pp.401-405, 2001 (Scopus)
- XIX. **Modelling lane discipline on multilane uninterrupted traffic flow**  
GÜNAY B.  
Traffic Engineering and Control, vol.41, no.9, pp.440-447, 1999 (Scopus)
- XX. **A critical overview of driver information systems; the need in large cities**  
GÜNAY B.  
Journal of Engineering Sciences, vol.4, no.1, pp.471-480, 1998 (Peer-Reviewed Journal)
- XXI. **A simulation analogy for untidy multi-lane traffic flows**  
GÜNAY B., Bell M., Sung K.  
Journal of the Eastern Asia Society for Transportation Studies, vol.2, no.3, pp.837-851, 1997 (Peer-Reviewed Journal)
- XXII. **User Equilibrium and System Optimum traffic assignments; Istanbul road network example**  
GÜNAY B.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.2, no.3, pp.167-176, 1996 (Peer-Reviewed Journal)

## Books

- I. **Ortalama Hız Tespit Sistemleri**  
GÜNAY B., AKGÖL K.  
Palme, Ankara, 2020
- II. **Rationality of Urban Road Networks**  
AKGÖL K., GÜNAY B.  
Lambert, Port Louis, 2018
- III. **"Transportation for Livable Cities (by Vukan R. Vuchic) Kentiçi Toplu Ulaşım ve Yaşanabilir Şehirler CİLT 2 (Translation into Turkish) ISBN-9786058448421"**  
Akn D., GÜNAY B., Murat Ş. Y., Aslan T., Özkan G., Erdemir G., Gündoğan F.  
İstanbul Ulaşım, İstanbul, 2015
- IV. **Transportation for Livable Cities (by Vukan R. Vuchic) Kentiçi Toplu Ulaşım ve Yaşanabilir Şehirler CİLT 1 (Translation into Turkish) ISBN-9786058448414**  
Akn D., GÜNAY B., Murat Ş. Y., Aslan T., Özkan G., Erdemir G., Gündoğan F.  
İstanbul Ulaşım, İstanbul, 2015
- V. **Reviewer role for two chapters**  
GÜNAY B.  
in: Modelling Public Transport Passenger Flows in the Era of Intelligent Transport Systems: Springer Tracts on Transportation and Traffic) ISBN 978-3319250809, Guido Gentile, Klaus Nökel, Editor, Springer, London/Berlin , London, pp.1-468, 2015
- VI. **Yaya Öncelikli Kent Antalya (ISBN- 978-6051495088)**  
KILIÇ M., GÜNAY B., ERDOĞAN M., YILMAZ T., KAPLAN Y.  
Yazar Ofset, Antalya, 2013
- VII. **Fundamentals of Warehousing Problems with Worked Examples (ISBN 978-0755211777)**  
GÜNAY B.  
Bright Pen, Bedfordshire, 2009
- VIII. **Fundamentals of Warehousing Problems with Worked Examples**  
GÜNAY B.  
BrightPen Publishing, Bedfordshire, 2009
- IX. **Safer Journeys to School (ISBN 1905719027) Project Report Booklet**  
Hine J., Mackey S., GÜNAY B.  
Niccys, Belfast, 2005

## Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Improper Applications of the "Pedestrians First" Project of Antalya**  
Günay B., Yolcu I., Edis E.  
The 2nd International Symposium on Innovations in Civil Engineering and Technologies, Isparta, Turkey, 30 October - 01 November 2024, (Summary Text)
- II. **Personnel Planning for Intelligent Service Vehicles with Integer Programming**  
Akgöl K., Günay B., Aydın M. M.  
SUMMITS'24 Uluslararası Akıllı Ulaşım Sistemleri Zirvesi Ankara, Ankara, Turkey, 2 - 04 May 2024, pp.93-102, (Full Text)
- III. **PROJESİZ YOLLARDAKİ ENİNE İVME KONFORUNUN SERİ BİR YÖNTEMLE ÖLÇÜLMESİ**  
GÜNAY B.  
Karayolu 5. Kongresi ve Sergisi, Ankara, Turkey, 22 - 23 November 2023
- IV. **Exploring big data to develop accessibility maps of public transport for Istanbul**  
ASILKAN Ö., AKGÖL K., GÜNAY B.  
The 4th World Conference on Big Data, Antalya, Turkey, 18 October 2019



- V. **Optimization of taxi stand locations using GIS and Set-Covering techniques**  
GÜNAY B., CANBAZOĞLU E., Tekin S.  
The 19th EURO Working Group on Transportation Meeting, İstanbul, Turkey, 05 September 2016, (Full Text)
- VI. **Kent içi akıllı ulaşım sistemlerine geçiş sürecinde Antalya örneği**  
İlyas S., ÜSER Y., GÜNAY B.  
Sürdürülebilir Ulaşım İçin Ulusal Yol ve Trafik Güvenliği Kongresi (ROTRASA), Ankara, Turkey, 07 December 2015
- VII. **Şehirlerarası yollardaki dönel kavşakların barındırdığı güvenlik açıkları - Kurallar ve gerçekler**  
GÜNAY B.  
Karayolu Trafik Güvenliği Sempozyumu ve Sergisi, Ankara, Turkey, 4 - 08 July 2004, (Full Text)
- VIII. **Area-wide ANPR coverage with a small number of instrumented vehicles**  
GÜNAY B., Ilgaz A., Saltan M., ALBAYRAK Y.  
4th International Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS 2015), Budapest, Hungary, 3 - 05 June 2015, pp.1-8
- IX. **Discovering the Potential for Intelligent Subscription Bus Services**  
GÜNAY B., AKGÖL K., TERZİ S.  
Public transport passenger flows in the era of ITS, Paris, France, 11 - 12 May 2015
- X. **Discovering the Potential for Intelligent Subscription Bus Services (Poster Presentation)**  
GÜNAY B., AKGÖL K., Terzi S.  
Public transport passenger flows in the era of ITS, Paris, France, 11 - 12 May 2015, pp.1
- XI. **Area-wide ANPR coverage with a small number of instrumented vehicles**  
Gunay B., Ilgaz A., SALTAN M., ALBAYRAK Y.  
International Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS), Budapest, Hungary, 3 - 05 June 2015, pp.379-386, (Full Text)
- XII. **Ortalama hız limiti uygulamasının donanımlı araçlar sayesinde alansal yaptırımı**  
GÜNAY B., Ilgaz A., ALBAYRAK Y., Saltan M.  
Transist 2014 7. Uluslararası Ulaşım Teknolojileri ve Sempozyumu, İstanbul, Turkey, 19 - 20 December 2014, pp.23-33, (Full Text)
- XIII. **İstanbul toplu ulaşımında şehiriçi hareketlilik**  
Eldemir F., GÜNAY B., Deli A., Ünal A.  
Transist 2014 7. Uluslararası Ulaşım Teknolojileri ve Sempozyumu, İstanbul, Turkey, 19 - 20 December 2014, pp.360-367, (Full Text)
- XIV. **MODERN DÖNEL KAVŞAKLARA SORUNSUZ BİR DÖNÜŞÜMÜN BİLİMSEL METODOLOJİSİ**  
GÜNAY B., AYDIN M. M., AKGÖL K.  
Karayolu 3. Ulusal Kongresi, Ankara, Turkey, 25 - 27 November 2014, pp.1-12
- XV. **MODERN DÖNEL KAVŞAKLARA SORUNSUZ BİR DÖNÜŞÜMÜN BİLİMSEL METODOLOJİSİ**  
GÜNAY B., AYDIN M. M., AKGÖL K.  
Karayolu 3. Ulusal Kongresi, Ankara, Turkey, 25 - 27 November 2014, pp.1-12
- XVI. **Modern dönel kavşaklara sorunsuz bir dönüşümün bilimsel metodolojisi**  
GÜNAY B., Aydın M. M., AKGÖL K.  
Karayolu 3. Ulusal Kongresi (YTMK), Ankara, Turkey, 25 - 27 November 2014, pp.345-358
- XVII. **Akıllı Servis Araçları Konseptinin Bilgisayar Modellemesi; Antalya Örneği**  
GÜNAY B., AKGÖL K., Aydın M. M., Terzi S.  
1. Karayolu Akıllı Ulaşım Sistemleri Kongre ve Sergisi, İstanbul, Turkey, 26 - 28 May 2014, (Full Text)
- XVIII. **Akıllı Servis Araçları Konseptinin Bilgisayar Modellemesi; Antalya Örneği**  
Günay B., AKGÖL K., AYDIN M. M., Terzi S.  
1. Karayolu Akıllı Ulaşım Sistemleri Kongre ve Sergisi, İstanbul, Turkey, 26 - 28 May 2014, (Full Text)
- XIX. **Akıllı Servis Araçları Konseptinin Bilgisayar Modellemesi; Antalya Örneği**  
Günay B., AKGÖL K., AYDIN M. M., Terzi S.  
1. Karayolu Akıllı Ulaşım Sistemleri Kongre ve Sergisi, İstanbul, Turkey, 26 - 28 May 2014, (Full Text)
- XX. **Akıllı Servis Araçları Konseptindeki Türel Değişim Potansiyelinin Belirlenmesi**  
Günay B., AKGÖL K., AYDIN M. M., Terzi S.

6. Uluslararası Ulaşım Sempozyumu ve Fuarı, Transist 2013, İstanbul, Turkey, 25 - 26 December 2013, pp.8-17, (Full Text)
- XXI. **Akıllı Servis Araçları Konseptindeki Türel Değişim Potansiyelinin Belirlenmesi**  
GÜNAY B., AKGÖL K., Aydın M. M., Terzi S.  
6. Uluslararası Ulaşım Sempozyumu ve Fuarı, Transist 2013, İstanbul, Turkey, 25 - 26 December 2013, pp.8-17
- XXII. **Şehiriçi Yol Ağlarında Bir Kalite Göstergesi Olarak Güzergah Rasyonellik Skalaları**  
AKGÖL K., GÜNAY B.  
10. Ulaştırma Kongresi, İzmir, Turkey, 25 - 27 September 2013, pp.323-346, (Full Text)
- XXIII. **Lessons Learnt from The Transport Provision on The Island Of Ireland**  
GÜNAY B., McGrady G.  
4th International Scientific Conference on transport problems, Katowice, Poland, 27 - 29 June 2012, pp.1
- XXIV. **Gelişmiş ülkelerdeki kurumlar yolculuk planı uygulamaları ve Türkiye'deki potansiyel**  
GÜNAY B., Ilgaz A., Saltan M.  
4. Ulaşım Sempozyumu ve Sergisi, İstanbul, Turkey, 1 - 02 December 2011
- XXV. **Public Transport Network Change And Social Exclusion: The Case Of Belfast City**  
Bukhari S., Hine J., GÜNAY B., Blair N.  
Networks for Mobility 2010 Symposium, Stuttgart, Germany, 30 September - 01 October 2010, pp.1
- XXVI. **Using a multi-criteria assessment approach to identify key sustainable transport system attributes**  
Moataz M., Hine J., GÜNAY B.  
The 1st Annual Irish Transport Research Network, Dublin, Ireland, 30 - 31 August 2010, (Full Text)
- XXVII. **Transport Disadvantages and Public Transport Network Change in Belfast City**  
Bukhari S., Hine J., GÜNAY B., Blair N.  
The 1st Annual Irish Transport Research Network, Dublin, Ireland, 30 - 31 August 2010, (Full Text)
- XXVIII. **Two-dimensional investigation of time headways for better realism in multilane traffic flow modelling**  
GÜNAY B., Erdemir G.  
The 12th World Conference on Transportation Research, Lizbon, Portugal, 11 - 15 July 2010
- XXIX. **Transport Disadvantages and Public Transport Network Change: A case study of Belfast**  
Bukhari S., Hine J., GÜNAY B., Blair N.  
The 12th World Conference on Transportation Research, Lizbon, Portugal, 11 - 15 July 2010, (Full Text)
- XXX. **A methodology for depicting drivers' time headway preferences through ANPR technology**  
GÜNAY B.  
The 12th World Conference on Transportation Research, Lizbon, Portugal, 11 - 15 July 2010
- XXXI. **Analysing the neighbouring lane effects on car following headways using wavelets**  
Erdemir G., GÜNAY B.  
The 5th International Symposium on Wavelet Applications to World Problems, İstanbul, Turkey, 7 - 08 June 2010, pp.111-120, (Full Text)
- XXXII. **Environmentally Friendly Zr Based Nano Structured Conversion Coating For Hrs In Powder Coating**  
Tepe B., GÜNAY B.  
NanoSmat Conference, Roma, Italy, 19 - 22 October 2009, pp.1, (Full Text)
- XXXIII. **An investigation of close following habit using number plate recognition technology**  
GÜNAY B.  
The 13th Meeting of the EURO working Group on Transportation, Pauda, Italy, 23 - 25 September 2009, (Full Text)
- XXXIV. **Pre-Treatment Processes Correlation For Hrs In Powder Coating**  
Tepe B., GÜNAY B.  
EuroCorr Conference, Freiburg, Germany, 9 - 14 September 2009, pp.1, (Full Text)
- XXXV. **Environmentally Friendly Zr Based Nano-Structured Conversion Coating For Hrs In Powder Coating**  
Tepe B., GÜNAY B.  
The EuroCorr Conference, Nice, France, 6 - 10 September 2009, pp.1
- XXXVI. **Scenario analysis of microscopic traffic simulation using wavelets**  
Erdemir G., GÜNAY B.

The 4th International Workshop on Applications of Wavelets to Real World Problems, Kocaeli, Turkey, 5 - 07 June 2009

**XXXVII. Evaluation Of Environmentally Friendly Zr Based Nano-Structured Conversion Coating For Hrs In Powder Coating**

Tepe B., GÜNEY B.

The 29th International Exhibition-Congress on Chemical Engineering, Environmental Protection and Biotechnology, Frankfurt Am Main, Germany, 11 - 15 May 2009, pp.1

**XXXVIII. Mapping Public Transport Network Change in GIS; Advancement towards Social Inclusion or Exclusion in Belfast City**

Bukhari S., Hine J., GÜNEY B., Blair N.

The 41st Universities Transport Studies Group Conference, London, United Kingdom, 5 - 07 January 2009, (Full Text)

**XXXIX. Individual Actual Access Index: an improvement to the measure of transport related social exclusion**

Kamruzzaman M., Hine J., GÜNEY B., Blair N.

The 41st Universities Transport Studies Group Conference, London, United Kingdom, 5 - 07 January 2009

**XL. Corrosion Protection By Powder Coating For High Temperature Applications**

Tepe B., GÜNEY B.

EuroCorr Conference, Edinburgh, United Kingdom, 7 - 11 September 2008, pp.1, (Full Text)

**XLI. Evaluation Of Environmentally Friendly Zr Based Nano Structured Conversion Coating For Hrs In Powder Coating In Dsl**

Tepe B., GÜNEY B.

The 4th International Conference on Diffusion in Solids and Liquids, Barcelona, Spain, 9 - 11 July 2008, pp.1, (Full Text)

**XLII. Nano-Structured Conversion Coating For Pre-Treatment Processes For Hrs In Powder Coating**

Tepe B., GÜNEY B.

NanoSmat Conference, Algarve, Portugal, 9 - 11 July 2007, pp.1

**XLIII. The mobility of low income households in the Greater Belfast area**

McGrath J., Hine J., GÜNEY B.

The 39th Universities Transport Studies Group Conference, Leeds, United Kingdom, 3 - 05 January 2007

**XLIV. Detection algorithms for intentional car following on smart networks**

GÜNEY B., Hine J.

The 11th Meeting of the EURO working Group on Transportation, Bari, Italy, 27 - 29 September 2006, (Full Text)

**XLV. Statistical analysis of lateral position of vehicles negotiating bends**

GÜNEY B., Woodward D., Hine J.

The 38th Universities Transport Studies Group Conference, Dublin, Ireland, 4 - 06 January 2006, (Full Text)

**XLVI. The effect of de-icing chemicals and freeze-thaw cycling on asphalt strength**

Rodgers W. J., GÜNEY B., Woodside A.

The 38th Universities Transport Studies Group Conference, Dublin, Ireland, 4 - 06 January 2006

**XLVII. The effect of de-icing chemicals on the stiffness of asphalt surface course materials subjected to freeze-thaw cycles**

Rodgers W. J., GÜNEY B., Woodside A., Woodward D.

The MariePav4 Conference, Belfast, Ireland, 17 - 19 August 2005, (Full Text)

**XLVIII. Sustainable solutions for solving the "school run" ISSN 2313-1853**

Woodside A., Seymour J., GÜNEY B.

The European Transport Conference, Strasbourg, France, 4 - 06 October 2004, (Full Text)

**XLIX. Driving under the influence - prescription drugs the drowsy factor ISSN 2313-1853**

Woodside A., GÜNEY B., Haran I.

The European Transport Conference, Strasbourg, France, 4 - 06 October 2004

**L. The Congestion Conundrum: Sustainable Solutions**

Woodside A., GÜNEY B., Seymour J.

International Conference on Sustainability Engineering and Science, New Zealand, 7 - 09 July 2004, pp.1

- LI. **Heavy goods vehicle drivers and the road to sleep**  
Woodside A., GÜNEY B., Wilson I.  
The 10th World Conference on Transportation Research, İstanbul, Turkey, 4 - 08 July 2004, pp.496-0, (Full Text)
- LII. **A UK wide centrally managed car-sharing scheme: the University of Ulster example as a member**  
GÜNEY B., Seymour J., Wilson I.  
The 10th World Conference on Transportation Research, İstanbul, Turkey, 4 - 08 July 2004, pp.429-0
- LIII. **Discipline of lane-based-driving: a simulation approach**  
GÜNEY B., Woodside A.  
The 10th World Conference on Transportation Research, İstanbul, Turkey, 4 - 08 July 2004, pp.723-0
- LIV. **Social exclusion and public transport - rural transport policy initiatives in Northern Ireland**  
Mackey S., Hine J., GÜNEY B.  
The 10th World Conference on Transportation Research, İstanbul, Turkey, 4 - 08 July 2004, pp.1521-0
- LV. **Children and Congestion: Determinants of travel choice for the journey to school and ways of reducing urban school traffic congestion**  
Woodside A., GÜNEY B., Seymour J.  
The 10th World Conference on Transportation Research, İstanbul, Turkey, 4 - 08 July 2004, pp.153-0, (Full Text)
- LVI. **Child pedestrian traffic exposure and road attitudes: A comparative study in France, USA and Northern Ireland**  
GÜNEY B., Harvey H., Woodside A., Vaganay M.  
The 10th World Conference on Transportation Research, İstanbul, Turkey, 4 - 08 July 2004, pp.491-0, (Full Text)
- LVII. **Road safety and the journey to school - perception or reality**  
Woodside A., GÜNEY B., Seymour J.  
Safety on Roads International Conference (SORIC'02), Manama, Bahrain, 21 - 23 October 2002
- LVIII. **Predicting the effects of weak lane discipline on traffic flow operations**  
GÜNEY B.  
Safety on Roads International Conference (SORIC'02), Manama, Bahrain, 21 - 23 October 2002
- LIX. **The effect of sleep deprivation and an unprescribed influenza medication on driving performance**  
Woodside A., GÜNEY B., Wilson I.  
Safety on Roads International Conference (SORIC'02), Manama, Bahrain, 21 - 23 October 2002, (Full Text)
- LX. **A study of the effect of socio-economic differences in secondary schools on the choice of 'travel to school' modes ISSN 2313-1853**  
Woodside A., GÜNEY B., Seymour J.  
PTRC Conference, Cambridge, United Kingdom, 9 - 11 September 2002, (Full Text)
- LXI. **The impact of the school run on traffic congestion (Poster presentation)**  
GÜNEY B., Seymour J., Woodside A.  
ETC Conference (PTRC), Cambridge, United Kingdom, 10 - 12 September 2001, pp.1
- LXII. **The school run: characteristics and impact on congestion in Larne ISSN 2313-1853**  
Woodside A., GÜNEY B., Seymour J.  
PTRC Conference, Cambridge, United Kingdom, 10 - 12 September 2001, (Full Text)
- LXIII. **Quantifying lane discipline on multilane roadways**  
GÜNEY B.  
The 33rd Universities Transport Studies Group Conference, Oxford, United Kingdom, 3 - 05 January 2001
- LXIV. **Modelling of the lane-keeping discipline on two-and multilane uninterrupted traffic flows**  
GÜNEY B.  
The 31st Universities Transport Studies Group Conference, York, United Kingdom, 3 - 05 January 1999, (Full Text)
- LXV. **Simulation of uninterrupted untidy multi-lane traffic flows**  
GÜNEY B.  
The 8th World Conference on Transport Research, Antwerp, Belgium, 12 - 16 July 1998
- LXVI. **Simulation of untidy multi-lane traffic flow in unidirectional highways**  
GÜNEY B.  
The 30th Universities Transport Studies Group Conference, Dublin, Ireland, 5 - 07 January 1998

- LXVII. **Lateral characteristics of multi-lane traffic: tidy and untidy flow situations**  
GÜNAY B.  
The 29th Universities Transport Studies Group Conference, Bournemouth, United Kingdom, 6 - 08 January 1997
- LXVIII. **Trafik yavaşlatım uygulamalarının trafik mühendisliği ve kent planlaması açısından incelenmesi: Newcastle kenti örnekleri**  
Günay B., Ceylan H., Turan F., Aslan H., Sönmez Ö.  
1. Ulusal Ulaşım Sempozyumu ve Sergisi, İstanbul, Turkey, 6 - 07 May 1996, pp.93-106, (Full Text)
- LXIX. **Trafik tıkanıklıklarına çözüm olarak elektronik yol yönlendirme sistemlerinin kullanımı ve İstanbul Boğaz geçiş örneği**  
GÜNAY B., Bell M.  
1. Ulusal Ulaşım Sempozyumu ve Sergisi, İstanbul, Turkey, 6 - 07 May 1996, pp.337-345

## Other Publications

- I. **Akdeniz Ünivesitesi araç Simulaötörü (TRT HABER)**  
Günay B., AYDIN M. M., Akgöl K.  
Other, 2015
- II. **TRT Haber**  
GÜNAY B., Aydın M. M., AKGÖL K.  
Other, pp.1, 2015
- III. **T R T Haber - 26 Haziran**  
GÜNAY B., Aydın M. M., AKGÖL K.  
Other, 2015
- IV. **Prediction Of Modal Shift Using Artificial Neural Networks**  
Akgöl K., AYDIN M. M., Asilkan Ö., Günay B.  
Presentation, pp.1, 2014
- V. **Prediction Of Modal Shift Using Artificial Neural Networks. 4th World Conference On Innovation And Computer Sciences - Insoide-2014, Roma, Italya, 11-13/04/2014**  
AKGÖL K., AYDIN M. M., ASILKAN Ö., GÜNAY B.  
Presentation, pp.1, 2014
- VI. **Prediction Of Modal Shift Using Artificial Neural Networks. 4th World Conference on Innovation and Computer Sciences - INSODE-2014, Roma, ITALYA, 11-13/04/2014**  
AKGÖL K., Aydın M. M., ASILKAN Ö., GÜNAY B.  
Presentation, pp.1, 2014

## Funded Projects

GÜNAY B., AYDIN M. M., AKGÖL K., Project Supported by Higher Education Institutions, Şehiriçi Yollarda Kıvrımlama (Chicane) Uygulamalarının Ülkemiz Sürücü Davranışları ve Yol Tasarım Özellikleri Açısından İncelenmesi, 2015 - 2016

GÜNAY B., Project Supported by Other Official Institutions, IETT Metrobüs ve Esnek Toplu Ulaşım, 2014 - 2015

GÜNAY B., Other International Funding Programs, Akıllı Servis Araçları Konseptinin Oluşturulması ve Ulaşım Sistemindeki Türel Değişim Üzerine Olan Yararlı Etkilerinin Tahmini: Pilot Bir Bölge Üzerindeki Bilgisayar Modellemesi (89,500 TL), 2012 - 2014

Günay B., EU Supported Other Project, Life Long Learning to Achieve Pedestrian Priority and Safety in Antalya City Centre (Technical Assistant) (820,000 TL), 2011 - 2013

GÜNAY B., Other International Funding Programs, Evaluation of pretreatment process in power painting in Automotive Industry (22,140 GBP) (Kamu-Sanayi ortaklaşa destekli), 2006 - 2010

GÜNAY B., Other International Funding Programs, Develop an activity-based cost model for demand/supply processes, and to develop/embed an inter-company network for transferring production between sites and consolidating products

for delivery (140,094 GBP) (Knowledge Transfer Partnership), 2005 - 2008

GÜNAY B., Other International Funding Programs, Research into the views of children, young people and their parents in relation to safe journeys to school in Northern Ireland. (25,000 GBP), 2005 - 2007

GÜNAY B., Other International Funding Programs, Investigation of non-salt based de-icing of roads (16,950 GBP) Kamu Sanayi ortaklaşa destkli, 2003 - 2007

## **Activities in Scientific Journals**

International Journal of Engineering and Applied Sciences, Advisory Committee Member, 2011 - Continues

## **Memberships and Roles in Scientific Organizations**

TEAM, Member, 2013 - Continues

Yollar Türk Milli Komitesi, Member, 2007 - Continues

WCTRS, Member, 2003 - 2012

Chartered Institute of Logistics and Transport, Member, 2007 - 2010

Institute of Highways and Transportation, Member, 2000 - 2010

## **Peer Reviews in Scientific Publications**

Journal Of ITE, SCI Journal, July 2016

Journal of Transportation Engineering, SCI Journal, June 2015

Gazi Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, SCI Journal, May 2015

Journal of Advanced Transportation, SCI Journal, February 2015

Journal of Advanced Transportation, SCI Journal, January 2015

Karayolları, Other Journals, September 2014

Transportmetrica B: Transport Dynamics, SCI Journal, September 2014

Yapı Teknolojileri Elektronik Dergisi, National Scientific Refreed Journal, June 2014

International Journal of Engineering and Applied Sciences, Other Indexed Journal, July 2013

International Journal of Engineering and Applied Sciences, Other Indexed Journal, June 2013

Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, June 2012

TRB, SCI Journal, November 2011

Journal of Transportation Engineering, SCI Journal, September 2011

Journal of Advanced Transportation, SCI Journal, May 2011

Journal of Zhejiang University, SCI Journal, February 2011

Journal of Advanced Transportation, SCI Journal, January 2011

Journal of Advanced Transportation, SCI Journal, October 2010

TRB, SCI Journal, September 2010

ICE Transport, SCI Journal, June 2010

Transportation Research Part C, SCI Journal, June 2010

Journal of Transportation Engineering, SCI Journal, September 2009

ICE Transport, SCI Journal, June 2009

Advances in Engineering Software, SCI Journal, March 2009

ICE Transport, SCI Journal, December 2008

Journal of Transportation Engineering, SCI Journal, December 2008

TRB, SCI Journal, September 2008

TRB, SCI Journal, August 2008

Transportation Research Part C, SCI Journal, May 2008

Transportation Research Part C, SCI Journal, January 2008  
ICE Transport, SCI Journal, January 2008  
ICE Transport, SCI Journal, October 2007  
ICE Transport, SCI Journal, January 2007

## **Scientific Project Refereeing**

TUBITAK Project, August 2015  
Project Supported by Higher Education Institutions, March 2015  
Project Supported by Higher Education Institutions, December 2014  
Project Supported by Higher Education Institutions, June 2014  
Project Supported by Higher Education Institutions, February 2014  
TUBITAK Project, December 2013  
Project Supported by Higher Education Institutions, November 2013  
Project Supported by Higher Education Institutions, July 2013  
TUBITAK Project, May 2012  
TUBITAK Project, May 2012  
TUBITAK Project, April 2012  
Project Supported by Higher Education Institutions, December 2011  
TUBITAK Project, November 2011  
Project Supported by Higher Education Institutions, August 2011  
Project Supported by Higher Education Institutions, June 2011  
TUBITAK Project, May 2011  
August 2009  
January 2008

## **Scientific Consultations**

İSBAK AŞ (Gaziantep TEDES), Scientific Consultancy, Akdeniz University, Faculty Of Engineering, Department of Civil Engineering, Turkey, 2016 - Continues  
Antalya Valiliği Emniyet Müdürlüğü Trafik Güvenliği Platformu, Scientific Consultancy, Akdeniz University, Faculty Of Engineering, İnşaat Mühendisliği, Turkey, 2013 - Continues  
İstanbul Büyükşehir Belediyesi TKM- İSBAK AŞ., Scientific Consultancy, Akdeniz University, Faculty Of Engineering, Department of Civil Engineering, Turkey, 2015 - 2015  
İstanbul Büyükşehir Belediyesi TKM- İSBAK AŞ., Scientific Consultancy, Akdeniz University, Faculty Of Engineering, Department of Civil Engineering, Turkey, 2015 - 2015  
Emniyet Md/Kayseri Ulaşım, Scientific Consultancy, Akdeniz University, Faculty Of Engineering, Department of Civil Engineering, Turkey, 2015 - 2015  
Tüside/Organik İnsan Kaynakları, Project Consultancy, Akdeniz University, Faculty Of Engineering, İnşaat Mühendisliği, Turkey, 2014 - 2015  
Fidelus, Scientific Consultancy, Akdeniz University, Faculty Of Engineering, İnşaat Mühendisliği, Turkey, 2013 - 2013  
Creagh Concrete, Scientific Consultancy, University of Ulster, Faculty Of Engineering, School Of The Built Environment, England, 2007 - 2007

## **Metrics**

Publication: 132  
Citation (WoS): 322

Citation (Scopus): 396

H-Index (WoS): 8

H-Index (Scopus): 8

## Congress and Symposium Activities

The 2nd International Symposium on Innovations in Civil Engineering and Technologies, Attendee, Isparta, Turkey, 2024

Karayolu 5. Ulusal Kongresi ve Sergisi (YTMK), Attendee, Ankara, Turkey, 2023

The 4th World Conference on Big Data, Attendee, Antalya, Turkey, 2019

Ulaşımında Sosyo-ekonomik Etkileşim Çalıştayı, BARCELO ERESİN TOPKAPI HOTEL (04/05/2016), Attendee, İstanbul, Turkey, 2016

Erasmus Teachers Mobility, Attendee, Skopje, Macedonia, 2016

Toplu Taşıma Odaklı Trafik Planlaması - Ulaşım Türleri ve Stratejik Öneriler Çalıştayı (11/12/2015), Attendee, Kocaeli, Turkey, 2015

6. Karayolu Trafik Güvenliği Sempozyumu ve Sergisi - Congressum (ATO Kongre ve Fuar Merkezi) Söğütözü, 12-14/11/2015, Attendee, Ankara, Turkey, 2015

Ulaşım Türleri Stratejik Önerileri Çalıştayı, Attendee, İETT, İstanbul 4/11/2015, Turkey, 2015

Ulaştırma, Denizcilik ve Haberleşme Bakanlığı Deniz Ulaşımında Kıyı Barınma ve Bağlama Yerleri Etüdü Projesi Çalıştayı, Crown Plaza (16/06/2015), Attendee, Antalya, Turkey, 2015

4th International Conference on Models and Technologies for Intelligent Transportation Systems (Session 1), Session Moderator, Hungary, 2015

Taşımacılık Sektörü ve Eğitim Kurumları İşbirliği Toplantısı, Gürsel HQ, Yurtdışı Operasyonlar Müdürlüğü, Attendee, İstanbul, Turkey, 2015

4th International Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS) 3-5 June 2015), Attendee, Budapest, Hungary, 2015

4th International Conference on Models and Technologies for Intelligent Transportation Systems (Session 2), Session Moderator, Hungary, 2015

<https://www.youtube.com/watch?v=hBnlyd9uXQI&feature=youtu.be>, Invited Speaker, Antalya, Turkey, 2015

11. Ulaştırma Kongresi (27-29 Mayıs 2015) MSGS University Fıdıklı Campus, Attendee, İstanbul, Turkey, 2015

TÜBİTAK – TEYDEB Desteklerinde Akademik Danışmanlık, Işık Aşar, Attendee, Antalya, Turkey, 2015

COST Action Meeting (FW7), Attendee, Paris, France, 2015

COST-Horizon 2020 Workshop TÜBİTAK (05/03/2015), Attendee, Ankara, Turkey, 2015

6th National Turkey Public Transport Conference (Planning, Design And Construction Of Mass Transit Systems) (26/03/2015), Attendee, İstanbul, Turkey, 2015

Kent Konseyi Genel Kurul toplantısı (10/02/2015) Expo16 ve Konyaaltı sahil bandı projeleri, Attendee, Antalya, Turkey, 2015

Trafik Güvenliği İl Planlama ve Koordinasyon Toplantısı (Antalya Trafik Güvenliği Platformu) 4-18/02/2015 (AKGİM) Teknokent, Attendee, Antalya, Turkey, 2015

Emniyet Genel Müdürlüğü - YÖK: Trafik Güvenliği İşbirliği Protokolü Toplantısı, Attendee, İzmir Katip Çelebi Üniversitesi (23/01/2015), Turkey, 2015

Akdeniz TV - Perspektif, Invited Speaker, Antalya, Turkey, 2014

Transist 7. Uluslararası Ulaşım Teknolojileri ve Sempozyumu, (19-20/12/2014), Attendee, İstanbul, Turkey, 2014

COST Action meeting (FW7), Attendee, Madrid, Spain, 2014

Karayolu 3. Ulusal Kongresi (Yollar Türk Milli Komitesi - KGM), Attendee, Ankara, Turkey, 2014

The 2nd Conference on Sustainable Urban Mobility (5-6/05/2014) Volos, Moderator, Greece, 2014

The 2nd Conference on Sustainable Urban Mobility (5-6/05/2014), Attendee, Volos, Greece, 2014

COST Action meeting (FW7), Attendee, Volos, Greece, 2014

1. Karayolu Akıllı Ulaşım Sistemleri Kongre ve Sergisi (26-28/05/2014) Grand Cevahir Hotel, Attendee, İstanbul, Turkey, 2014

The 3rd International Conference on Traffic and Logistic Engineering (ICTLE) (21-23/04/2014), Attendee, Antalya,



Turkey, 2014

Ulaştırma Bakanlığı Türkiye'nin Akıllı Ulaşım Sistemleri mimarisi çalıştayları İstişare toplantısı - Kağıthane (10/04/2014), Attendee, İstanbul, Turkey, 2014

Teori ve Uygulamada Zemin Yapı Etkileşimi Sempozyumu (24/04/2014), Attendee, Antalya, Turkey, 2014

Trafik Güvenliği İl Planlama Ve Koordinasyon Toplantısı (Antalya Trafik Platformu) 29 Mart 2013, Attendee, Antalya, Turkey, 2014

Transist, The 6th International Transit Symposium (25-26/12/2013), Attendee, İstanbul, Turkey, 2013

Horizon 2020, Attendee, Bumin Kaan Hall Akdeniz University, Turkey, 2013

2. Beton Yollar için En İyi Uygulamalar Çalıştayı (The 2nd Workshop on Concrete Roads) (1-2/11/2013), Attendee, Antalya, Turkey, 2013

Sürdürülebilir Ulaşım Yaklaşımları ve Uygulamaları, Antalya Büyükşehir Belediyesi (24/10/2013), Attendee, Antalya, Turkey, 2013

COST Action meeting (FW7), Attendee, Stockholm, Sweden, 2013

10. Ulaştırma Kongresi (MMOB), Attendee, İzmir, Turkey, 2013

The 2nd Symposium of the European Association for Research in Transportation (4-6/09/2013), Attendee, Stockholm, Sweden, 2013

Trafik Güvenliği İl Planlama Ve Koordinasyon Toplantısı (Antalya Trafik Platformu) 24 Haziran 2013 (Senato Salonu), Attendee, Antalya, Turkey, 2013

İkinci Antalya Ulaşım Sorunları ve Çözümleri Konferansları, Session Moderator, Antalya, Turkey, 2013

InterTraffic (29-31/05/2013), Attendee, İstanbul, Turkey, 2013

The 2nd Transport Problems and Solutions Conference, Dedeman Hotel (27/05/2013), Attendee, Antalya, Turkey, 2013

COST Action meeting (FW7), Attendee, Frankfurt, Germany, 2013

Trafik Güvenliği İl Planlama Ve Koordinasyon Toplantısı (Antalya Trafik Platformu) 21 Mart 2013 (Senato Salonu), Attendee, Antalya, Turkey, 2013

11. Ulaştırma Şurası Boru Hatları Çalışma Grubu Toplantısı (Tehlikeli Mal ve Kombine Taşımacılık Düzenleme Genel Müdürlüğü), Attendee, Ankara, Turkey, 2013

COST Action meeting (FW7), Attendee, Riga, Latvia, 2012

The 12th International conference, Reliability and Statistics in Transportation and Communication (17-20/10/2012), Attendee, Riga, Latvia, 2012

Intelligent Transportation Systems (25/05/2012), Attendee, İstanbul, Turkey, 2012

4. Ulaşım Sempozyumu ve Sergisi (TransİST), Attendee, İstanbul, Turkey, 2011

BAKA Demiryolu Taşımacılığı ve Lojistik Çalıştayı (14/07/2011), Attendee, Isparta, Turkey, 2011

The 12th World Conference on Transportation Research, Attendee, Lisbon, Portugal, 2010

The Fifth International Symposium on Wavelets Applications to World Problems, Invited Speaker, İstanbul, Turkey, 2010

The 13th Meeting of the EURO working Group on Transportation (EWGT), Attendee, Padua, Italy, 2009

Built Environment Research Institute (9-10/09/2008), Attendee, Derry, United Kingdom, 2008

Ordnance Survey Geo Mash-up Conference (27/03/2008), Attendee, Belfast, UK, United Kingdom, 2008

Policing the Future International Conference, the Waterfront Hall (20-22/02/2007), Attendee, Belfast, UK, United Kingdom, 2007

The 11th Meeting of the EURO working Group on Transportation (EWGT), Attendee, Bari, Italy, 2006

Logistics Link North, YEC, Harrogate (20-21/09/2006), Attendee, Leeds, United Kingdom, 2006

Advances in Traffic and Transportation System Analysis (27-29/09/2006), Attendee, Bari, Italy, Italy, 2006

Knowledge Transfer Partnership (10/03/2006), Attendee, Belfast, UK, United Kingdom, 2006

The 38th Universities Transport Studies Group Conference, Attendee, Dublin, Ireland, 2006

Research work with universities and technological centres, Royal Academy of Engineering (07-10/11/2005), Attendee, San Sebastian, Spain, 2005

Knowledge Transfer Partnership (07/09/2005), Attendee, Park Plaza Hotel, Leeds, UK, United Kingdom, 2005

Passenger Transport Solutions Seminars and Exhibition, Olympia 2 (14-15/09/2005), Attendee, London, United Kingdom, 2005

The MariePav4 Conference (17-19/08/2005), Attendee, Belfast, United Kingdom, 2005

Travel Demand Management Symposium, Napier University (2-4/08/2005), Attendee, Edinburgh, United Kingdom, 2005

Research Strategy, Manor House Hotel (20-21/06/2005), Attendee, Co. Fermanagh, United Kingdom, 2005  
ITS UK Smart Moving Conference, The NEC (19-21/04/2005), Attendee, Birmingham, United Kingdom, 2005  
Institution of Highways and Transportation/Travelwise Sustainable Transport Event, Glenavna House Hotel (01/03/2005), Attendee, Whiteabbey, United Kingdom, 2005  
The Engineering and Physical Sciences Research Council (EPSRC) Information Day (08/02/2005), Attendee, Jordanstown, United Kingdom, 2005  
The European Transport Conference (4-6/10-2004), Attendee, Strasbourg, France, 2004  
EPSRC Funded Link Travel-time Workshop Queens University (15-16/09/2004), Attendee, Belfast, UK, United Kingdom, 2004  
Odyssey Group, University of Ulster, Jordanstown (23-27/08/2004), Attendee, Jordanstown, United Kingdom, 2004  
The 10th World Conference on Transportation Research (4-8/07/2004), Attendee, İstanbul, Turkey, 2004  
World Conference on Transportation Research, Session Moderator, İstanbul, Turkey, 2004  
IHT/Reducing the Carnage Conference (17/02/2004), Attendee, Whiteabbey, United Kingdom, 2004  
25. The age of enlightenment, UU Knowledge Club, Jordanstown (17/12/2003), Attendee, Jordanstown, United Kingdom, 2003  
SORIC02, Session Moderator, Bahrain, 2002  
SORIC (21-23/10/2002), Attendee, Manama (Bahrain), Bahrain, 2002  
26. Built Environment Research Network, Leadership (24-25/10/2002), Attendee, Manchester, United Kingdom, 2002  
E-Learning awareness conference (20/03/2002), Attendee, Co Antrim, United Kingdom, 2002  
The 33rd Universities Transport Studies Group Conference (3-5/01/2001), Attendee, Oxford, United Kingdom, 2001  
Engineering Design and Application for Sustainable Development Conference (15-18/10/2000), Attendee, Jordanstown, United Kingdom, 2000  
The 31st Universities Transport Studies Group Conference (3-5/01/1999), Attendee, York, United Kingdom, 1999  
The 8th World Conference on Transport Research (12-16/07/1998), Attendee, Antwerp, Belgium, 1998  
The 30th Universities Transport Studies Group Conference (5-7/01/1998), Attendee, Dublin, Ireland, 1998  
The 29th Universities Transport Studies Group Conference (6-8/01/1997), Attendee, Bournemouth, United Kingdom, 1997  
The 4th Euro Working Group on Transportation Conference (9-11/09/1996), Attendee, Newcastle, United Kingdom, 1996  
1. Ulusal Ulaşım Sempozyumu ve Sergisi (6-7/05/1996), Attendee, İstanbul, Turkey, 1996  
The 2nd Urban Transportation Congress (16-19/12/1992), Attendee, İstanbul, Turkey, 1992

## Awards

GÜNAY B., Bildiri Ödülü, Yollar Türk Milli Komitesi (KGM, Ankara), February 2008  
GÜNAY B., Travel Grant, Royal Academy of Engineering (UK), September 2005  
GÜNAY B., Smeed Prize, Universities Transport Studies Group (UTSG), York, UK, January 1999  
GÜNAY B., Bildiri Sunum, Institution of Highways and Transportation (UK), April 1997