

Prof.Dr. ALP CANER

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, North Carolina State University, Amerika Birleşik Devletleri 1994 - 1996

Yüksek Lisans, North Carolina State University, Amerika Birleşik Devletleri 1992 - 1994

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1987 - 1991

Yaptığı Tezler

Doktora, Analysis and design of jointless bridge decks supported by simple-span girders, North Carolina State University, 1996

Yüksek Lisans, Cracking in large-sized long-span prestressed concrete AASHTO girders, North Carolina State University, 1994

Araştırma Alanları

İnşaat Mühendisliği

Akademik Unvanlar / Görevler

Prof.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2017 - Devam Ediyor

Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2005 - 2017

Mesleki Deneyim

President, International Association of Bridge and Structural Engineering Foundation, Board of Members, 2019 - Devam Ediyor

Birim Tanıtım ve Mezunlarla İlişkiler Komisyonu Üyesi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2014 - Devam Ediyor

Yönetilen Tezler

Caner A., SENSITIVITY ANALYSIS OF BRIDGE DECKS FOR HIGH-SPEED RAILWAY BRIDGES, Yüksek Lisans, A.RAHMAN(Öğrenci), 2020

Caner A., Evaluation of intensity measures for ground motion selection to be used in the analysis of highway flyover bridges, Yüksek Lisans, A.AKRAY(Öğrenci), 2019

Caner A., Investigation and comparison of bearing devices used in high-speed railway bridges under earthquake impact, Yüksek Lisans, U.AŞCI(Öğrenci), 2019

Caner A., RELIABILITY AND QUANTITY BASED EVALUATION OF STRUCTURAL PROPORTIONS OF SEVERAL HIGHWAY

PRECAST PRESTRESSED I GIRDER BRIDGES DESIGNED IN AN EARTHQUAKE REGION, Yüksek Lisans, İ.TOKER(Öğrenci), 2019

Caner A., An investigation of liquefaction effects on piers and piles of segmental precast balanced cantilever bridges, Yüksek Lisans, Ö.GÜNDÜZ(Öğrenci), 2019

CANER A., Reliability analysis of precast prestressed bridge girders based on AASHTO LRFD and EUROCODE, Yüksek Lisans, C.ÇELİK(Öğrenci), 2018

CANER A., Development of a new hybrid damper for steel bracing systems, Doktora, N.SABAHAATIN(Öğrenci), 2017

ASKAN GÜNDOĞAN A., CANER A., Multi-support seismic excitation of long span highway bridges, Yüksek Lisans, T.GÖKDEMİR(Öğrenci), 2017

CANER A., The assessment of seismic performance of multi-span highway bridges in turkey including column deterioration, Yüksek Lisans, C.ELİF(Öğrenci), 2016

CANER A., YANMAZ A. M. , A study on seismic behavior of scour-vulnerable bridges, Yüksek Lisans, H.SEMA(Öğrenci), 2016

CANER A., Segmental concrete box girder bridge thermal analysis based on new Turkish solar zone map developed to assess temperature gradient loading, Yüksek Lisans, A.İPEK(Öğrenci), 2015

CANER A., Live load reliability index evaluation for post tensioned balanced cantilever bridges, Yüksek Lisans, B.BORA(Öğrenci), 2015

CANER A., Turkish LRFD Live Load Design Parameters for Cable Stayed Bridge with Concrete Deck on Steel Girder, Yüksek Lisans, Y.DÖNMEZ(Öğrenci), 2015

CANER A., Seismic performance of unbonded elastomeric bearings on bridges: an experimental and parametric study, Doktora, K.ARMAN(Öğrenci), 2015

CANER A., Reliability based evaluation of seismic design of Turkish bridges by using load and load and resistance factor method, Yüksek Lisans, S.ALP(Öğrenci), 2014

CANER A., Experimental investigation of uplift on seismic base isolators, Yüksek Lisans, E.ERKAKAN(Öğrenci), 2014

CANER A., Calibration of Turkish LRFD bridge design method for slab on steel plate girders, Yüksek Lisans, A.FATİH(Öğrenci), 2013

CANER A., Fire tests of cut and cover tunnel roof segments at positive moment region, Yüksek Lisans, K.SARP(Öğrenci), 2011

CANER A., Effect of initial support of excavation on seismic performance of cut and cover structures, Yüksek Lisans, H.REZAEİ(Öğrenci), 2011

CANER A., Experimental evaluation of "ball rubber bearings" at different temperatures, Yüksek Lisans, S.ERDAL(Öğrenci), 2010

CANER A., Analytical investigation of AASHTO LRFD response modification factors and seismic performance levels of circular bridge columns, Yüksek Lisans, A.ERDEM(Öğrenci), 2010

CANER A., AKYÜZ U., Development of a new seismic isolator named "ball rubber bearing", Doktora, C.ÖZKAYA(Öğrenci), 2010

CANER A., Evaluation of structural analysis methods used for the design of tbn segmental linings, Yüksek Lisans, A.GÜRAY(Öğrenci), 2010

CANER A., Reliability based safety level evaluation of Turkish type precast prestressed concrete bridge girders designed in accordance with the load and resistance factor desing method, Yüksek Lisans, O.ARGINHAN(Öğrenci), 2010

YAKUT A., CANER A., Fragility based seismic vulnerability assessment of ordinary highway bridges in Turkey, Doktora, Ö.AVŞAR(Öğrenci), 2009

CANER A., Evaluation of steel building design methodologies: TS 648, EUROCODE 3 and LRFD, Yüksek Lisans, A.ZERVENT(Öğrenci), 2009

CANER A., Impact of passenger comfort level on design of short-span composite steel I-girder high speed railroad bridges, Yüksek Lisans, T.ŞENTÜRK(Öğrenci), 2009

CANER A., Seismic response of multi-span highway bridges with two-column reinforced concrete bents including foundation and column flexibility, Yüksek Lisans, T.YILMAZ(Öğrenci), 2008

CANER A., Dynamic investigation and rehabilitation of existing railway truss bridge under high speed train loadings for passenger comfort, Yüksek Lisans, G.MUTLU(Öğrenci), 2008

CANER A., Effects of vertical excitation on seismic performance of highway bridges and hold-down device requirements,

Yüksek Lisans, K.ARMAN(Öğrenci), 2008

CANER A., Structural fire safety of standard circular railroad tunnels under different soil conditions, Yüksek Lisans, A.BÖNCÜ(Öğrenci), 2008

TOPKAYA C., CANER A., Detailed fem analysis of two different splice steel connections, Yüksek Lisans, O.YILMAZ(Öğrenci), 2008

CANER A., Analysis of blast loading effect on regular steel building structures, Yüksek Lisans, F.TAHMİLCİ(Öğrenci), 2007

CANER A., A simple assessment of lateral pier response of standard highway bridges on pile foundations, Yüksek Lisans, Ü.TANER(Öğrenci), 2007

CANER A., Seismic performance of multisimple span skew bridges retrofitted with link slabs, Yüksek Lisans, G.SEVGİLİ(Öğrenci), 2007

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- **Augmented reality for bridge condition assessment using advanced non-destructive techniques**
KILIÇ G., CANER A.
STRUCTURE AND INFRASTRUCTURE ENGINEERING, 2020 (SCI İndekslerine Giren Dergi)
- **Interview with IABSE Foundation Council Chair, Alp Caner**
CANER A.
STRUCTURAL ENGINEERING INTERNATIONAL, cilt.30, ss.302-303, 2020 (SCI İndekslerine Giren Dergi)
- **Stability of Bridge Piers Subjected to a Probable Flood Event Followed by a Probable Seismic Event**
Kızılduman H. S. , Yanmaz A. M. , Caner A.
Journal of Performance of Constructed Facilities, cilt.32, 2018 (SCI İndekslerine Giren Dergi)
- **In-Depth Investigation of Seismic Vulnerability of an Aging River Bridge Exposed to Scour**
AVŞAR Ö., Atak B., CANER A.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, cilt.31, 2017 (SCI İndekslerine Giren Dergi)
- **Development of mean site-dependent response spectra for new bridge designs in Turkey**
Sarica G. M. , Askan A., Caner A.
STRUCTURE AND INFRASTRUCTURE ENGINEERING, cilt.13, ss.1002-1012, 2017 (SCI İndekslerine Giren Dergi)
- **Preface**
CANER A., Gülkan P., Mahmoud K.
Springer Tracts on Transportation and Traffic, cilt.9, 2016 (SCI İndekslerine Giren Dergi)
- **Vehicle effects on seismic response of a simple-span bridge during shake tests**
Shaban N., Caner A., Yakut A., Askan A., Naghshineh A. K. , Domanic A., Can G.
EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, cilt.44, ss.889-905, 2015 (SCI İndekslerine Giren Dergi)
- **Performance of Ball Rubber Bearings in Low-Temperature Regions**
CANER A., Naghshineh A. K. , Erdal S.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, cilt.29, 2015 (SCI İndekslerine Giren Dergi)
- **Lateral Response Comparison of Unbonded Elastomeric Bearings Reinforced with Carbon Fiber Mesh and Steel**
Naghshineh A. K. , Akyuz U., Caner A.
SHOCK AND VIBRATION, 2015 (SCI İndekslerine Giren Dergi)
- **The 23 October 2011 M(w)7.0 Van (Eastern Turkey) Earthquake: Interpretations of Recorded Strong Ground Motions and Post-Earthquake Conditions of Nearby Structures**
Akansel V., Ameri G., Askan A., Caner A., Erdil B., Kale O., Okuyucu D.
EARTHQUAKE SPECTRA, cilt.30, ss.657-682, 2014 (SCI İndekslerine Giren Dergi)
- **Evaluation of Successful Seismic Bridge Design Practice in Turkey**
Okuyucu D., Kale O., Erdil B., Caner A., Askan A., Akansel V. H.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, cilt.28, ss.4-12, 2014 (SCI İndekslerine Giren Dergi)
- **Comparison of fundamental properties of new types of fiber-mesh-reinforced seismic isolators with conventional isolators**

Naghshineh A. K. , AKYÜZ U., CANER A.

EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, cilt.43, ss.301-316, 2014 (SCI İndekslerine Giren Dergi)
Identifying Bridge Rehabilitation Needs Using an Analytical Method Developed for Interpretation of Visual Inspection Data

AVŞAR Ö., Marianos W. N. , CANER A.

JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, cilt.26, ss.312-319, 2012 (SCI İndekslerine Giren Dergi)

Analytical Fragility Curves for Ordinary Highway Bridges in Turkey

AVŞAR Ö., YAKUT A., CANER A.

EARTHQUAKE SPECTRA, cilt.27, ss.971-996, 2011 (SCI İndekslerine Giren Dergi)

Development of a new rubber seismic isolator: 'Ball Rubber Bearing (BRB)'

ÖZKAYA C., AKYÜZ U., CANER A., DİCLELİ M., Pinarbasi S.

EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, cilt.40, ss.1337-1352, 2011 (SCI İndekslerine Giren Dergi)

Improved Seismic Response of Multisimple-Span Skewed Bridges Retrofitted with Link Slabs

Sevgili G., CANER A.

JOURNAL OF BRIDGE ENGINEERING, cilt.14, ss.452-459, 2009 (SCI İndekslerine Giren Dergi)

A New Era in Structural Analysis: Construction Staging

Karakaplan A., CANER A., Kurc Ö., Domanic A., Lulec A.

TEKNIK DERGI, cilt.20, ss.4905-4917, 2009 (SCI İndekslerine Giren Dergi)

Structural Fire Safety of Circular Concrete Railroad Tunnel Linings

CANER A., Boncu A.

JOURNAL OF STRUCTURAL ENGINEERING-ASCE, cilt.135, ss.1081-1092, 2009 (SCI İndekslerine Giren Dergi)

Service life assessment of existing highway bridges with no planned regular inspections

Caner A., Yanmaz A. M. , Yakut A., Avşar O., Yılmaz T.

Journal of Performance of Constructed Facilities, cilt.22, ss.108-114, 2008 (SCI İndekslerine Giren Dergi)

Renovation of a safety-inspection methodology for river bridges

Yanmaz A. M. , Caner A., Berk A.

Journal of Performance of Constructed Facilities, cilt.21, ss.382-389, 2007 (SCI İndekslerine Giren Dergi)

Structural fire performance of concrete and shotcrete tunnel liners

Caner A., Zlatanic S., Munfah N.

JOURNAL OF STRUCTURAL ENGINEERING-ASCE, cilt.131, ss.1920-1925, 2005 (SCI İndekslerine Giren Dergi)

Seismic performance of multisimple-span bridges retrofitted with link slabs

Caner A., Dogan E., Zia P.

Journal of Bridge Engineering, cilt.7, ss.85-93, 2002 (SCI Expanded İndekslerine Giren Dergi)

Tensioned fabric shape-finding

Caner A., Hsu R.

JOURNAL OF STRUCTURAL ENGINEERING-ASCE, cilt.125, ss.1065-1071, 1999 (SCI İndekslerine Giren Dergi)

Behavior and design of link slabs for jointless bridge decks

Caner A.

PCI JOURNAL, cilt.43, ss.68-81, 1998 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

Condition factor for seismic performance of deteriorated bridges

Ocak E. C. , CANER A.

BRIDGE STRUCTURES, cilt.15, ss.187-196, 2019 (ESCI İndekslerine Giren Dergi)

Shake table tests of different seismic isolation systems on a large scale structure subjected to low to moderate earthquakes

Shahan N., CANER A.

JOURNAL OF TRAFFIC AND TRANSPORTATION ENGINEERING-ENGLISH EDITION, cilt.5, ss.480-490, 2018 (ESCI İndekslerine Giren Dergi)

● **Prototype testing of a new passive energy dissipation device for seismic retrofit of bridges**

Shaban N., CANER A.

Frontiers in Built Environment, cilt.2, 2016 (Diğer Kurumların Hakemli Dergileri)

● **Calibration of Turkish LRFD bridge design code for slab on steel plate girders**

KOÇ A., CANER A., YÜCEMEN M. S.

● BRIDGE STRUCTURES, cilt.9, ss.115-121, 2013 (ESCI İndekslerine Giren Dergi)

● **Target damage level assessment for seismic performance evaluation of two-column reinforced concrete bridge bents**

Yılmaz T., CANER A.

BRIDGE STRUCTURES, cilt.8, ss.135-146, 2012 (ESCI İndekslerine Giren Dergi)

Kitap & Kitap Bölümleri

● **Turkish Solar Radiation Zones for Segmental Box Girder Bridge Design Under Temperature Gradient Loading**

Yılmaz İ., ALBOSTAN U., CANER A., KURÇ Ö.

Developments in International Bridge Engineering, Alp Caner, Polat Gülkan, Khaled Mahmoud, Editör, Springer International Publishing, ss.77-89, 2016

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

● **A Comparative Study on Seismic Isolation Applications in Turkey**

AKYÜZ U., CANER A., YAKUT A.

15th World Conference on Seismic Isolation, Energy Dissipation and Active Vibration Control of Structures, Wellington, Yeni Zelanda, 27 - 29 Nisan 2017

● **Seismic retrofit of buildings with backbone dampers**

Shaban N., Ozdemir S., CANER A., AKYÜZ U.

6th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, COMPDYN 2017, Rhodes Island, Yunanistan, 15 - 17 Haziran 2017, cilt.1, ss.2110-2118

● **Remaining service life assessment of river bridges with cracked members**

Ozdemir S., Topkara N., YAKUT A., AKYÜZ U., CANER A.

8th International Conference on Bridge Maintenance, Safety and Management (IABMAS), Foz do Iguacu, Brezilya, 26 - 30 Haziran 2016, ss.412-413

● **Turkish Solar Radiation Zones for Segmental Box Girder Bridge Design Under Temperature Gradient Loading**

YILMAZ A., Albostan U., CANER A., KURÇ Ö.

Istanbul Bridge Conference, Türkiye, 11 - 13 Ağustos 2014, cilt.9, ss.77-89

● **Time-efficient paperless visual inspection of Zonguldak-Irmak railroad bridges**

YÜCEL M., CANER A., TÜRER A.

7th International Conference on Bridge Maintenance, Safety and Management (IABMAS), Shanghai, Çin, 7 - 11 Temmuz 2014, ss.2395-2400

● **Visual evaluation and remaining service life assessment of a reinforced concrete arch bridge: Cayirhan bridge**

CANER A., TÜRER A.

7th International Conference on Bridge Maintenance, Safety and Management (IABMAS), Shanghai, Çin, 7 - 11 Temmuz 2014, ss.403-407

● **Visual evaluation and remaining service life assessment of a reinforced concrete arch bridge:**

Çayirhan bridge

CANER A., TÜRER A.

7th International Conference on Bridge Maintenance, Safety and Management, IABMAS 2014, Shanghai, Çin, 7 - 11 Temmuz 2014, ss.403-407

Strengthening of a single track railroad steel truss bridge with addition of a two lane highway deck

CANER A., Marianos W., Sarici B.

IABSE Workshop on Assessment, Upgrading and Refurbishment of Infrastructures, Rotterdam, Hollanda, 6 - 08 Mayıs 2013

A Conceptual Design of a Cable Stayed Bridge with a Curved Back Span

Avsar O., CANER A., Sarici B.

International Conference on Civil Engineering and Building Materials (CEBM), Kunming, Çin, 29 - 31 Temmuz 2011, ss.993-994

Design of cast-in-place balanced cantilever bridges in Turkey

CANER A.

3rd International fib Congress and Exhibition, Incorporating the PCI Annual Convention and Bridge Conference 2010, Washington, Amerika Birleşik Devletleri, 29 Mayıs - 02 Haziran 2010

Cable supported footbridge analysis with construction staging

Caner A.

4th New York City Bridge Conference, New-York, Amerika Birleşik Devletleri, 27 - 28 Ağustos 2007, ss.61-65

Cable hanger plate replacement a case study on Bosphorus Bridge

TÜRER A., CANER A., Yılmaz Ç.

Proceedings of the Third International Conference on Bridge Maintenance, Safety and Management IABMAS, Porto, Portekiz, 16 - 19 Temmuz 2006, ss.433

Quantitative assessment of structural fire endurance of concrete and shotcrete tunnel liners

Caner A., Zlatanovic S., Munfah N.

2005 ITA-AITES World Tunnel Congress and 31st General Assembly, İstanbul, Türkiye, 7 - 12 Mayıs 2005, cilt.1, ss.585-590

Desteklenen Projeler

Caner A., Belediye, MÜRSELPASA CADDESİ-ZAFER PAYZIN KÖPRÜLÜ KAVŞAĞI ARASI KARAYOLU, BAĞLANTI YOLLARI VE BÜYÜK SANAT YAPILARI UYGULAMA VE GÜÇLENDİRME PROJELERİ DANIŞMANLIĞI, 2020 - 2021

Caner A., Ulaştırma Bakanlığı, Ankara-Sivas Ankara-İzmir (Polatlı Afyon, Afyon Banaz Kesimleri Hariç) Bandırma Bursa Avazma Osmaneli Hızlı Tren Projelerindeki Viyadük Yapım İşlerinde Danışmanlık Hizmetinin Yürütülmesi İş Sözleşmesi, 2019 - 2020

Caner A., Ulaştırma Bakanlığı, Etüt Proje Mühendislik ve Danışmanlık Hizmet Alımı İşlerinde Sanat Yapılarının Tasarımı ile İlgili Teknik Konularda Danışmanlık Alınması Sözleşmesi, 2017 - 2020

Caner A., Ulaştırma Bakanlığı, Ankara-İzmir Hızlı Tren projesi Ankara Polatlı Afyonkaahisar Kesimi Altyapı İnşaat Yapım İşinde Danışmanlık Hizmetlerinin Yürütülmesi Sözleşmesi, 2017 - 2018

CANER A., Diğer Resmi Kurumlarca Desteklenen Proje, Ankara Sivas Demiryolu Projesi Kayaş Kırıkkale Arası kesim 1 v7 v9 v10 v15, 2016 - 2017

CANER A., Diğer Resmi Kurumlarca Desteklenen Proje, Etüt Proje Mühendislik ve Danışmanlık Hizmet Alım İşlerinde Sanat Yapılarının Tasarım ile İlgili Teknik Konularında Danışmanlık, 2016 - 2017

CANER A., SHABAN N., Yükseköğretim Kurumları Destekli Proje, Merkezleme Özelliği Olan Yenilikçi Bir Sönüm Cihazının Deneysel İncelenmesi, 2016 - 2016

CANER A., Yükseköğretim Kurumları Destekli Proje, Fiber Takviyeli Sismik Yalıtımların Deneysel Çalışması, 2012 - 2012

Bilimsel Kuruluşlardaki Üyelikler / Görevler

Türkiye Köprü ve İnşaat Cemiyeti, Başkan, 2011 - Devam Ediyor , Türkiye

Bilimsel Hakemlikler

JOURNAL OF BRIDGE ENGINEERING, SCI Kapsamındaki Dergi, Ağustos 2020
JOURNAL OF BRIDGE ENGINEERING, SCI Kapsamındaki Dergi, Haziran 2020
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JOURNAL OF STRUCTURAL ENGINEERING-ASCE, SCI Kapsamındaki Dergi, Haziran 2020
JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH, SCI Kapsamındaki Dergi, Haziran 2020
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Bilimsel Araştırma / Çalışma Grubu Üyelikleri

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www.iabse.org, 2018 - Devam Ediyor

Atıflar

Toplam Atıf Sayısı (WOS):209
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Girişimcilik Faaliyetleri

Anonim, BridgeWiz, 14 Eylül 2017, Kurucu Sahibi