

BILGE DORAN

PROF.

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International Researcher IDs

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Yoksis Researcher ID: 174001

Biography

He got his bachelors' degree in the Civil Engineering Department at Yildiz Technical University, Istanbul/Turkey in 1991, his master degree in the Civil Engineering Department at Yildiz Technical University, Istanbul/Turkey in 1993, PhD degree in the Civil Engineering Department at Yildiz Technical University, Istanbul/Turkey in 2001. He is still an academic member of the Civil Engineering Department at Yildiz Technical University. His majors area of interests are: Reinforced-Concrete Structures, Earthquake Resistant Structural Design, Performance Based Design, Soil-Structure-Pile interaction, Masonry Structures, Structural Health Monitoring.

Learning Knowledge

Doctorate 1993 - 2001	Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey
Postgraduate 1991 - 1993	Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey
Undergraduate 1987 - 1991	Yildiz Technical University, Faculty Of Civil Engineering, Civil Engineering Department, Turkey

Dissertations

Doctorate, Boşluklu Perdelerin Elastik-Plastik Analizi, Yıldız Teknik Üniversitesi, Civil Engineering Department, Construction, 2001

Postgraduate, Eğik Eğilme ve Eksenel Kuvvet Etkisindeki Simetrik Donatılı Dikdörtgen Kesitli Betonarme Kolonların Taşıma Gücüne Göre Hesabı, Yıldız Teknik Üniversitesi, Civil Engineering Department, Construction, 1993

Academic Titles / Tasks

Professor 2017 - Continues	Yildiz Technical University, Faculty Of Civil Engineering, Civil Engineering Department
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Associate Professor
2011 - 2017

Yildiz Technical University, Faculty Of Civil Engineering, Civil Engineering
Department

Supported Projects

1. DORAN B., HOTHOT Y. M., Project Supported by Higher Education Institutions, Taş Yığma Duvarların Düşey ve Yatay Yükler Altındaki Davranışı, 2021 - Continues
2. AKPINAR B., BEZCİOĞLU M., OKU TOPAL G., AYKUT N. O., DORAN B., KARABULUT M. F., YİĞİT C. Ö., ÇAKMAK Z. B., DİNDAR A. A., Zafer A., Project Supported by Higher Education Institutions, Düşük Maliyetli Ölçme Sistemleri ile Farklı Dinamik Davranışa Sahip Yapıların İzlenmesi, 2021 - 2023
3. Doran B., Ünsal Aslan Z., Project Supported by Higher Education Institutions, Boşluklu Donatısız Yığma Duvarların Lif Takviyeli Polimer İle Güçlendirme Teknikleri, 2019 - 2021
4. Doran B., Karşoğlu M., Project Supported by Higher Education Institutions, Boşluklu Yığma Duvarların Elastik Plastik Analizi, 2019 - 2021
5. DORAN B., Project Supported by Higher Education Institutions, Lifli Polimerle Farklı Biçimlerde Güçlendirilmiş Betonarme Kirişlerin Eğilme Performanslarının Belirlenmesi, 2016 - 2019
6. DORAN B., UĞURYOL M. F., YÜZER N., TUBITAK Project, Enjeksiyon Yöntemi (Grouting) İle Onarılmış Tarihi Tuğla Duvarların Yük Altında Davranışının İncelenmesi, 2014 - 2017
7. DORAN B., TUBITAK Project, Çelik Moment Ve Merkezi Çaprazlı Çerçevelerde Arttırılmış Deprem Etkileri Ve Sismik Enerji Talepleri, 2014 - 2016
8. DORAN B., Project Supported by Higher Education Institutions, Düzlem İçi Yükler Etkisindeki Yığma Duvarlarda Bünyesel Modelleme, 2013 - 2016
9. Aydoğan B., Çevik E., Doran B., Yüksel Y., Berilgen M. M., TUBITAK Project, Seismic Behavior of Soten Breakwater Structures and Determination of Performance Parameters, 2013 - 2016
10. Yüzer N., Doran B., Coşandal A., Hazar A. B., Berilgen M. M., Büyükpınar Ç., TUBITAK Project, Determination of Original Brick Wall Material Properties of Historical Buildings and Investigation of Behavior Under Load Using Model ExperimentsT, 2012 - 2015
11. DORAN B., Project Supported by Higher Education Institutions, Karbon esaslı lifli polimerler (CFRP) ile Güçlendirilmiş Betonarme Kolonlarda Sargılı Beton Basınç Dayanımının Bulanık Mantık Yaklaşımı ile Tahmini, 2013 - 2013
12. Alacalı S., Doran B., Sayım İ., Hancıoğlu B., Akbaş B., TUBITAK Project, Gerçek zamanlı kinematik DGPS yöntemiyle uzun periyodlu yapıların dinamik davranışlarının incelenmesi, 2006 - 2009
13. ALACALI S., DORAN B., TUBITAK Project, Gerçek zamanlı kinematik DGPS yöntemiyle uzun periyodlu yapıların dinamik davranışlarının incelenmesi (Dynamic Monitoring of Long-Period Structures Using Real-time Kinematic DGPS), 2006 - 2009

Jury Memberships

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Eskişehir Teknik Üniversitesi, March, 2024

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, İstanbul Teknik Üniversitesi, February, 2024

Associate Professor Exam, Associate Professor Exam, Yıldız Teknik Üniversitesi, December, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Yıldız Teknik Üniversitesi, October, 2023

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, İstanbul Aydın Üniversitesi, October, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Yıldız Teknik Üniversitesi, June, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Gebze Teknik Üniversitesi, June, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Yıldız Teknik Üniversitesi, June, 2023

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Yıldız Teknik Üniversitesi, May, 2023

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Yıldız Teknik Üniversitesi, May, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Yıldız Teknik Üniversitesi, January, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Yıldız Teknik Üniversitesi, January, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Yıldız Teknik Üniversitesi, November, 2022

Associate Professor Exam, Associate Professor Exam, Yıldız Teknik Üniversitesi, October, 2022

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Gebze Teknik Üniversitesi, August, 2022

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Mersin Üniversitesi, June, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Yıldız Teknik Üniversitesi, May, 2022

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Yıldız Teknik Üniversitesi, May, 2022

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Yıldız Teknik Üniversitesi, May, 2022

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Yıldız Teknik Üniversitesi, October, 2021

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Yıldız Teknik Üniversitesi, August, 2021

Associate Professor Exam, Associate Professor Exam, Yıldız Teknik Üniversitesi, May, 2021

Associate Professor Exam, Associate Professor Exam, Yıldız Teknik Üniversitesi, February, 2021

Associate Professor Exam, Associate Professor Exam, Yıldız Teknik Üniversitesi, February, 2021

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Gebze Teknik Üniversitesi, August, 2020

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, İstanbul Gedik Üniversitesi, July, 2020

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Alanya Alaaddin Keykubat Üniversitesi, May, 2020

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Bursa Teknik Üniversitesi, February, 2020

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Bursa Teknik Üniversitesi, February, 2020

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Aydın Adnan Menderes Üniversitesi, December, 2019

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Gebze Teknik Üniversitesi, August, 2019

Associate Professor Exam, Associate Professor Exam, Yıldız Teknik Üniversitesi, March, 2019

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, February, 2019

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, İstanbul Aydın Üniversitesi, January, 2019

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Altınbaş Üniversitesi, January, 2019

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Gebze Teknik Üniversitesi, November, 2018

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Yıldız Teknik Üniversitesi, August, 2018

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, İstinye Üniversitesi, August, 2018

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Yıldız Teknik Üniversitesi, March, 2018

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Mef Üniversitesi, March, 2018

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, İstanbul Teknik Üniversitesi, February, 2018

Doctoral Examination, Doktora yeterlik sınavı, YTÜ, November, 2017

Doctorate, Doktora Tez Savunma, YTÜ, September, 2017

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, İstanbul Gedik Üniversitesi, March, 2017

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Tekirdağ Namık Kemal Üniversitesi, November, 2013

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Maltepe Üniversitesi, October, 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- 1. A new approach for the computation of design shear force in reinforced concrete walls subjected to seismic loads**
Seçkin A., Doran B.
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, vol.32, 2023 (SCI-Expanded)
- 2. Experimental and Numerical Investigation of Unreinforced Masonry Walls with and without Opening**
Doran B., Karşoğlu M., Ünsal Aslan Z., Vatansever C.
INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE, vol.17, no.11, pp.1833-1854, 2023 (SCI-Expanded)
- 3. Investigation of Shear Safety in Reinforced Concrete Walls According to TBEC-2018 Betonarme Perdelerin Kesme Güvenliğinin TBDY-2018'e Göre İncelenmesi**
SEÇKİN A., DORAN B.
Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers, vol.34, no.5, pp.107-127, 2023 (SCI-Expanded)
- 4. Development of natural frequency in multi-span composite bridges with variable cross-section: Analytical and numerical solutions**
Saglik H., Balkaya C., Chen A., Ma R., DORAN B.
STRUCTURES, vol.45, pp.1657-1666, 2022 (SCI-Expanded)
- 5. Experimental Investigation of CFRP Strengthened Unreinforced Masonry Walls with Openings**
Doran B., Ulukaya S., Ünsal Aslan Z., Karşoğlu M., Yüzer N.
INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE, vol.16, no.12, pp.1907-1920, 2022 (SCI-Expanded)
- 6. A benchmark comparison and optimization of Gaussian process regression, support vector machines, and M5P tree model in approximation of the lateral confinement coefficient for CFRP-wrapped rectangular/square RC columns**
YETİLMEZSOY K., Sihag P., KIYAN E., DORAN B.
ENGINEERING STRUCTURES, vol.246, 2021 (SCI-Expanded)
- 7. Numerical Modeling of Traditional Masonry Walls Strengthened with Grout Injection**

- DORAN B., YÜZER N., AKTAN S., OKTAY D., ULUKAYA S.
INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE, vol.14, no.10, pp.1517-1532, 2020 (SCI-Expanded)
8. **Neural network model for seismic response of braced buildings**
DORAN B., Shen J. ', WEN R., Akbas B., Bozer A.
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-STRUCTURES AND BUILDINGS, vol.170, no.3, pp.159-167, 2017 (SCI-Expanded)
 9. **Seismic Performance and Retrofit Evaluation of an Existing Pile-Wharf Structure**
ERDOĞAN H., DORAN B., SEÇKİN A., Akbas B., ÇELİKOĞLU Y., BOSTAN T.
Journal of Performance of Constructed Facilities, vol.31, no.6, 2017 (SCI-Expanded)
 10. **In-Plane Shear Behavior of Traditional Masonry Walls**
DORAN B., KÖKSAL H. O., AKTAN S., ULUKAYA S., OKTAY D., YÜZER N.
INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE, vol.11, no.2, pp.278-291, 2017 (SCI-Expanded)
 11. **Elastoplastic Finite Element Analysis of Masonry Shear Walls**
Köksal H. O., Doran B., Kuruşcu A. O., Koçak A.
KSCE JOURNAL OF CIVIL ENGINEERING, vol.20, pp.784-791, 2016 (SCI-Expanded)
 12. **Seismic axial loads in steel moment resisting frames**
Shen J., Akbas B., Seker O., DORAN B., Wen R., Uckan E.
INTERNATIONAL JOURNAL OF STEEL STRUCTURES, vol.15, no.2, pp.375-387, 2015 (SCI-Expanded)
 13. **Seismic Evaluation of Existing Wharf Structures Subjected to Earthquake Excitation: Case Study**
DORAN B., Shen J., Akbas B.
EARTHQUAKE SPECTRA, vol.31, no.2, pp.1177-1194, 2015 (SCI-Expanded)
 14. **Application of fuzzy logic approach in predicting the lateral confinement coefficient for RC columns wrapped with CFRP**
Doran B., Yetilmezsoy K., Murtazaoğlu S.
ENGINEERING STRUCTURES, vol.88, pp.74-91, 2015 (SCI-Expanded)
 15. **Uncertainty Definition on the Constitutive Models for RC Columns Wrapped with FRP**
DORAN B., ERDÖLEN A., Akbas B., KÜTÜĞ Z., KÖKSAL H. O.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.39, no.11, pp.7535-7548, 2014 (SCI-Expanded)
 16. **An Experimental Investigation on Flexural Behavior of RC Beams Strengthened with Different Techniques**
Onal M. M., Zengin B., Koçak A., Doran B.
KSCE JOURNAL OF CIVIL ENGINEERING, vol.18, pp.2162-2169, 2014 (SCI-Expanded)
 17. **Seismic demand on brace-intersected beams in two-story X-braced frames**
Shen J., Wen R., Akbas B., Doran B., Uckan E.
ENGINEERING STRUCTURES, vol.76, pp.295-312, 2014 (SCI-Expanded)
 18. **Soil-pile interaction effects in wharf structures under lateral loads**
DORAN B., SECKIN A.
STRUCTURAL ENGINEERING AND MECHANICS, vol.51, no.2, pp.267-276, 2014 (SCI-Expanded)
 19. **Effect of various span lengths on seismic demand on column splices in steel moment frames**
Akbas B., Doran B., Sabol T. A., Seker O., Toru P., Shen J.
ENGINEERING STRUCTURES, vol.70, pp.94-105, 2014 (SCI-Expanded)
 20. **Computational material modeling of masonry walls strengthened with fiber reinforced polymers**
KÖKSAL H. O., Jafarov O., DORAN B., AKTAN S., Karakoc C.
STRUCTURAL ENGINEERING AND MECHANICS, vol.48, no.5, pp.737-755, 2013 (SCI-Expanded)
 21. **Interval finite element analysis of masonry-infilled walls**
ERDÖLEN A., DORAN B.
STRUCTURAL ENGINEERING AND MECHANICS, vol.44, no.1, pp.73-84, 2012 (SCI-Expanded)
 22. **Monitoring Roof Displacements with GPS in a Long Period Structure**
Sayim I., Akbaş B., DORAN B.
TEKNIK DERGI, vol.23, no.3, pp.6017-6036, 2012 (SCI-Expanded)
 23. **Stress-strain model for fibre-reinforced polymer confined rectangular columns**

- KÖKSAL H. O., DORAN B.
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-STRUCTURES AND BUILDINGS, vol.164, no.6, pp.391-408, 2011 (SCI-Expanded)
24. **Prediction of lateral confinement coefficient in reinforced concrete columns using neural network simulation**
Alacali S., Akbas B., DORAN B.
APPLIED SOFT COMPUTING, vol.11, no.2, pp.2645-2655, 2011 (SCI-Expanded)
25. **Compressive behavior of large-scale square reinforced concrete columns confined with carbon fiber reinforced polymer jackets**
Turgay T., POLAT Z., Koksals H. O., DORAN B., Karakoc C.
MATERIALS & DESIGN, vol.31, no.1, pp.357-364, 2010 (SCI-Expanded)
26. **A MAGNIFIED BEAM ALGORITHM TO DETERMINE THE COUPLING RATIOS OF R/C COUPLED SHEAR WALL**
Doran B.
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, vol.18, no.8, pp.921-929, 2009 (SCI-Expanded)
27. **Nonlinear finite element modeling of rectangular/square concrete columns confined with FRP**
DORAN B., Koksals H. O., Turgay T.
MATERIALS & DESIGN, vol.30, no.8, pp.3066-3075, 2009 (SCI-Expanded)
28. **Numerical simulation of conventional RC columns under concentric loading**
Doran B.
MATERIALS & DESIGN, vol.30, pp.2158-2166, 2009 (SCI-Expanded)
29. **A practical approach for modeling FRP wrapped concrete columns**
Köksal O., DORAN B., Turgay T.
CONSTRUCTION AND BUILDING MATERIALS, vol.23, no.3, pp.1429-1437, 2009 (SCI-Expanded)
30. **Nonlinear modeling of concentrically loaded reinforced blockwork masonry columns**
Koksals H. O., DORAN B., Ozsoy A. E., ALACALI S.
CANADIAN JOURNAL OF CIVIL ENGINEERING, vol.31, no.6, pp.1012-1023, 2004 (SCI-Expanded)

Articles Published in Other Journals

1. **Effect of time step interval and time integration schemes in Pseudo-Dynamic analysis**
Öztürk S., DORAN B., Aksoylar C.
Structures, vol.50, pp.215-230, 2023 (Scopus)
2. **The positioning performance of low-cost GNSS receivers in the Precise Point Positioning method**
Karabulut M. F., Aykut N. O., Akpınar B., Oku Topal G., Çakmak Z. B., Doran B., Dindar A. A., Yiğit C. Ö., Bezcioglu M., Zafer A.
Advances in Geodesy and Geoinformation, vol.71, no.2, 2022 (ESCI)
3. **An investigation on the flexural behaviour of RC beams wrapped with CFRP**
dalyan i., DORAN B.
International Advanced Researches and Engineering Journal, vol.5, no.1, pp.97-105, 2021 (Peer-Reviewed Journal)
4. **Seismic Performance Evaluation of Reinforced Concrete Moment Frames with Gravity Columns**
AKBAŞ B., DORAN B., BOZER A., ŞEKER O., FAYTAROUNI M., Shen J.
Practice Periodical on Structural Design and Construction, vol.25, no.2, pp.4020004, 2020 (ESCI)
5. **Investigation of Natural Frequency for Continuous Steel Bridges with Variable Cross-sections by using Finite Element Method**
SAĞLIK H., DORAN B., BALKAYA C.
International journal of engineering technologies-IJET, 2018 (Peer-Reviewed Journal)
6. **Betonarme Yapılarda Burkulması Önlenmiş Çelik Çapraz Elemanların Doğrusal Olmayan Davranışa Etkisi**
DORAN B., ŞENOL E., Köse İ.

- Dokuz Eylül Üniversitesi Fen ve Mühendislik Dergisi, vol.59, no.20, pp.299-314, 2018 (Peer-Reviewed Journal)
7. **Hava Kireci Kullanılarak Üretilen Tarihi Yığma Duvarlarda Bünyesel Modelleme**
DORAN B., Aktan S.
Dokuz Eylül Üniversitesi Fen ve Mühendislik Dergisi, vol.19, no.56, pp.314-329, 2017 (Peer-Reviewed Journal)
 8. **The Failure Probability of The Coupling Beams with Monte Carlo Simulation**
DORAN B., Alacalı S.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.19, no.55, pp.92-99, 2017 (Peer-Reviewed Journal)
 9. **Estimating stiffness modification factor for the coupling beam of coupled shear walls using a neural network model**
AKBAŞ B., DORAN B., ALACALI S., AKŞAR B.
Karaelmas Fen ve Mühendislik Dergisi, vol.6, no.1, pp.273-282, 2016 (Peer-Reviewed Journal)
 10. **Hysteretic Energy to Energy Input Ratio Spectrum In Nonlinear Systems**
AKBAŞ B., AKŞAR B., DORAN B., ALACALI S.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.18, no.53, pp.239-254, 2016 (Peer-Reviewed Journal)
 11. **CFRP ile güçlendirilmiş betonarme kolonların basınç dayanımının çoklu regresyon modelleriyle tahmini**
Murtazaoğlu S., Yetilmezsoy K., Doran B.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.31, pp.172-178, 2015 (Peer-Reviewed Journal)
 12. **Donatısız yığma duvarların sonlu eleman analizinde elastoplastik yaklaşım**
JAFAROV O., KOKSAL H. O., DORAN B., KARAKOC C.
YTÜ-Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.30, no.2, pp.133-143, 2012 (Peer-Reviewed Journal)
 13. **Yielding Analysis for Short Columns with Confined Concrete Having Circular Section Considering Strain Hardening in Reinforcement**
DORAN B., ALACALI S., ÜNAL A.
Yıldız Teknik Üniversitesi Dergisi, no.4, pp.59-68, 2003 (Peer-Reviewed Journal)
 14. **Elastic-Plastic Analysis Of R/C Coupled Shear Walls : The Equivalent**
Doran B.
Indian Institute of Science, vol.83, no.1, pp.87-94, 2003 (Peer-Reviewed Journal)
 15. **Dikdörtgen Kesitli Kuşatılmış Betonarme Kolonların Pekleşme Etkisi Gözönüne Alınarak Çözümü**
ALACALI S., DORAN B.
Yıldız Teknik Üniversitesi Dergisi, no.1, pp.57-70, 2003 (Peer-Reviewed Journal)
 16. **Simetrik Boşluklu Perdelerde Elastik Davranış Sınırları İçerisinde Üst Kat Bağ Kirişi Rijitliğinin Belirlenmesi İçin Bir Yaklaşım**
ALACALI S., DORAN B.
Yıldız Teknik Üniversitesi Dergisi, no.1, pp.9-18, 2003 (Peer-Reviewed Journal)
 17. **Design for short Columns with Confined Concrete Having Circular Section**
ALACALI S., Doran B., Ünal A.
Yıldız Teknik Üniversitesi Dergisi, no.2, pp.69-78, 2003 (Peer-Reviewed Journal)
 18. **A Statistical Analysis for the Equivalent Stiffness Ratio of the Tie elements of R C Coupled Shear Walls**
DORAN B., ALACALI S., POLAT Z.
Yıldız Teknik Üniversitesi Dergisi, no.2, pp.60-68, 2003 (Peer-Reviewed Journal)
 19. **Drucker-Prager Akma Kriteri Kullanılarak Betonda Doğrusal Olmayan Davranışın İncelenmesi**
DORAN B., Köksal H. O.
YTÜ Dergisi, vol.1, no.1, pp.1-10, 2000 (Peer-Reviewed Journal)
 20. **Boşluklu Perde Analizinde Bağ Kirişi Rijitliği Hesabı için Yeni Bir Formül**
DORAN B., Polat Z.
İMO, Teknik Dergi, vol.10, no.3, pp.1973-1982, 1999 (Peer-Reviewed Journal)
 21. **Betonarme Elemanlarda Sonlu Eleman Uygulamalarında Drucker-Prager Akma Kriteri Kullanılması**

DORAN B., KOKSAL H. O., Polat Z., KARAKOC C.

İMO, Teknik Dergi, vol.9, no.2, pp.1617-1625, 1998 (Peer-Reviewed Journal)

22. **Beton ve Betonarme Elemanlarda Doğrusal Olmayan Oktahedral Elastik ve Plastik Bağlıntılar Kullanılarak Yapılan Sonlu Eleman Uygulamaları**

KOKSAL H. O., DORAN B.

İMO, Teknik Dergi, vol.8, no.3, pp.1445-1455, 1997 (Peer-Reviewed Journal)

Books & Book Chapters

1. **Yapı Sistemlerinin Matris Yöntemlerle Hesabı**
DORAN B.
NOBEL Yayınevi, 2020
2. **Yapı Mühendisliği Problemlerinde SAP2000 Uygulamaları**
Doran B., Bozer A., Akbaş B., Şenol E.
Birsen, İstanbul, 2019
3. **Yapı Sistemlerinin Matris Yöntemlerle Hesabı**
Doran B.
YTÜ, İstanbul, 2018
4. **Strain-Based Seismic Performance Evaluation of Prefabricated Structures**
Seçkin A., Atalay H., Erdoğan H., DORAN B., Akbaş B.
in: Seismic Isolation, Structural Health Monitoring, and Performance Based Seismic Design in Earthquake Engineering, Kasimzade, A.A., Safak, E., Ventura, C.E., Naeim, F., Mukai, Y., Editor, Springer, Cham, Cham, pp.343-354, 2018
5. **Seismic Energy Demands of Inverted V-Braced Frames**
Doğru S., Akşar B., Akbaş B., Shen J., DORAN B.
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6. **Seismic Response of Coastal and Port Structures**
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Küçük Çekmece ve Yakın Çevresi Teknik Kongresi, 01 October 2003, vol.1, pp.1-10

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Prof. Dr. Rifat Yarar Sempozyumu, İstanbul, Turkey, 01 January 1997, pp.303-310

Academic and Administrative Experience

2020 - Continues	Head of Department	Yildiz Technical University, Faculty of Civil Engineering, Civil Engineering Department
2019 - Continues	Fakülte Yayın Kurulu Üyeliği	Yildiz Technical University, Faculty of Civil Engineering
2016 - 2019	Deputy Head of Department	Yildiz Technical University, Faculty of Civil Engineering, Civil Engineering Department
2008 - 2011	Deputy Head of Department	Yildiz Technical University, Faculty of Civil Engineering, Civil Engineering Department

Courses

Yapı Statiği 1, Undergraduate, 2018 - 2019

İleri Yapı Statiği, Doctorate, 2018 - 2019

Yapı Statiği 3, Undergraduate, 2018 - 2019

Yapı Statiği 2, Undergraduate, 2018 - 2019

Yapı Mühendisliğinde Bilgisayar Uygulamaları, Undergraduate, 2010 - 2011

Yapı Sistemlerinin Hesabında Matris Yöntemler, Postgraduate, 2010 - 2011

Betonarme Yapılar ve Temel Tasarımı, Undergraduate, 2010 - 2011

Betonarme Yapı Tasarımı, Undergraduate, 2010 - 2011

Advising Theses

Doran B., Donatısız Yığma Duvarların Makro Modelleme Yaklaşımı ile Doğrusal Olmayan Analizi, Postgraduate, E.NURKOVIC(Student), 2022

Doran B., Donatısız Yığma Duvarların Doğrusal Olmayan Analizi, Postgraduate, M.Buğra(Student), 2020

Doran B., Gömülü Betonarme Boruların Davranışı ve Boyutlandırılması, Postgraduate, R.ATASOY(Student), 2019

DORAN B., Lifli Polimerler İle Güçlendirilmiş Betonarme Kirişlerin Sonlu Elemanlar Yöntemi İle Hesabı, Postgraduate, M.AYAYDIN(Student), 2019

DORAN B., D-Tipi Dışmerkez Çelik Çaprazlı Çerçeve Sistemlerin Yatay Yükler Altında Davranışı, Postgraduate, B.Demirezen(Student), 2019

DORAN B., V-Tipi Kısa Bağ Kirişli Çelik Çaprazlı Çerçeve Sistemlerin Deprem Performansı, Postgraduate, F.Demir(Student), 2019

DORAN B., Lifli Polimerle Farklı Biçimlerde Güçlendirilmiş Betonarme Kirişlerin Eğilme Performanslarının Belirlenmesi, Doctorate, İ.Dalyan(Student), 2019

DORAN B., Betonarme Çerçevesel Bir Yapıda Yapı-Kazık-Zemin Etkileşimi Dikkate Alınarak Kazık Tasarımı, Postgraduate, E.Keskin(Student), 2018

DORAN B., Değişken Kesitli Sürekli Köprülerde Serbest Doğal Frekans Tahmini, Postgraduate, H.Sağlık(Student), 2018

Doran B., Zaman integrasyon şemalarının eşdeğer dinamik test sonuçlarına etkisi, Postgraduate, S.ÖZTÜRK(Student),

2017

- DORAN B., Düzlem İçi Yükler Etkisinde Kalan Yığma Duvarlarda Bünyesel Modelleme, Doctorate, S.Aktan(Student), 2016
- DORAN B., Betonarme Yapılarda Burkulması Önlenmiş Çapraz Elemanların Doğrusal Olmayan Davranışa Etkisi, Postgraduate, İ.Köse(Student), 2015
- DORAN B., Karbon Esaslı Lifli Polimerler (CFRP) İle Güçlendirilmiş Betonarme Kolonlarda Sargılı Beton Basınç Dayanımının Bulanık Mantık Yaklaşımı, Postgraduate, S.Murtazaoğlu(Student), 2013
- DORAN B., Düşey Ve Eğik Kazıklı İskele Yapılarında Zemin-Kazık Etkileşiminin Detaylı Ve Basitleştirilmiş Modeller İle İrdelenmesi, Postgraduate, S.Oruç(Student), 2013
- DORAN B., Kazık destekli yanaşma yapılarının sismik yükler altında tasarımı, Postgraduate, M.Köroğlu(Student), 2012
- DORAN B., Düşey ve/veya Eğik Kazıklı İskele Yapılarında Zemin Yapı Etkileşimi, Postgraduate, Ş.Korkmaz(Student), 2012
- DORAN B., Yığma duvar ve temellerde doğrusal olmayan modelleme, Doctorate, A.Osman(Student), 2012
- DORAN B., Lifli Polimerle Güçlendirilmiş Yığma Duvarların Modellenmesi, Doctorate, O.Jafarov(Student), 2012
- DORAN B., Yanaşma Yapılarının Deprem Performanslarının Belirlenmesi, Postgraduate, A.Seçkin(Student), 2012
- DORAN B., Rijit Öteleme Hareketine Maruz Mevcut Dolgu Duvarlı Bir Yapının Deprem Performansının Artımsal Eşdeğer Deprem Yüğü Yöntemi ile Belirlenmesi, Postgraduate, Z.Gürpınar(Student), 2011
- DORAN B., Rijit Öteleme Hareketine Maruz Mevcut Bir Yapının Deprem Performansının Doğrusal Olmayan Yöntem ile Belirlenmesi, Postgraduate, M.Akkuş(Student), 2011
- DORAN B., Dolgu Duvarların Modellenmesinde Kullanılan Eşdeğer Basınç Çubuğu Yöntemlerinin Karşılaştırılması, Postgraduate, Ö.Tar(Student), 2010
- DORAN B., Yığma Yapı Elemanları ve Güçlendirme Teknikleri, Postgraduate, Ç.Kaya(Student), 2010
- DORAN B., Uzun Periyotlu Betonarme Binaların Doğrusal Olmayan Hesap Yöntemi ile Değerlendirilmesi, Postgraduate, M.Pürselim(Student), 2009
- DORAN B., Mevcut Kusurlu Bir Betonarme Yapıda Zemin-Yapı Etkileşimi, Postgraduate, E.Uzay(Student), 2009
- DORAN B., Mevcut Bir Binanın Performansa Dayalı Tasarım İlkelerine göre Güçlendirilmesi, Postgraduate, N.Gürtekin(Student), 2009
- DORAN B., Tünel Kazısı Nedeniyle Meydana Gelen Zemin Oturmaları ve Bunların Mevcut Bir Yapıya Olan Etkisi, Postgraduate, A.Bulut(Student), 2007
- DORAN B., Mevcut Bir Yüksek Yapıda Rüzgâr Yüğü Nedeniyle Meydana Gelecek P-? Etkileri, Postgraduate, Ö.Ayzit(Student), 2007
- DORAN B., Mevcut Bir Okul Yapısının Performans Yaklaşımı ile Güçlendirilmesi, Postgraduate, F.Akkan(Student), 2006
- DORAN B., FRP Sargılı Dikdörtgen Kesitli Betonarme Kolonların Yük Taşıma Kapasitelerinin Farklı Davranış Modellerine Göre İrdelenmesi, Postgraduate, E.BULUT(Student), 2006

Scientific Refereeing

Structures, SCI Journal, February 2024

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Research Areas

Civil Engineering, Structure, Concrete Structures, Repair and Strengthening in Buildings, Masonry Structures