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Eğitim Bilgileri

Doktora, University of Ottawa, Mühendislik Fakültesi, İnşaat Mühendisliği, Kanada 1990 - 1993

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1987 - 1989

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1982 - 1987

Yabancı Diller

Arapça, B2 Orta Üstü

İngilizce, C2 Ustalık

Yaptığı Tezler

Doktora, Effect of Extreme Gravity and Seismic Loads on Short to Medium Span Slab-on-Girder Steel Highway Bridges, University Of Ottawa, İnşaat Mühendisliği, 1993

Yüksek Lisans, Inelastic spectral analysis of structural systems under seismic excitation, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 1989

Araştırma Alanları

Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Mühendislik Bilimleri Bölümü, 2009 - Devam Ediyor

Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Mühendislik Bilimleri Bölümü, 2005 - 2009

Doç. Dr., Bradley University, Mühendislik Fakültesi, İnşaat ve Yapım Mühendisliği, 2004 - 2005

Yrd. Doç. Dr., Bradley University, Mühendislik Fakültesi, İnşaat ve Yapım Mühendisliği Bölümü, 2000 - 2004

Akademik İdari Deneyim

Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Mühendislik Bilimleri Bölümü, 2012 - Devam Ediyor

Yönetilen Tezler

- DİCLELİ M., Torsional response of seismic isolated buildings considering actual distribution of design coefficient of friction among curved surface sliders, Yüksek Lisans, U.SERGEN(Öğrenci), 2021
- DİCLELİ M., Comparative assessment of the rocking behavior of seismic isolated bridges, Yüksek Lisans, P.TABIEHZAD(Öğrenci), 2021
- DİCLELİ M., Evaluation of the accuracy of equivalent linear analysis method for seismic isolated buildings, Yüksek Lisans, S.MUTLU(Öğrenci), 2021
- DİCLELİ M., Effect of the number of stories and aspect ratio on the seismic performance of base-isolated buildings, Yüksek Lisans, O.ZERMAN(Öğrenci), 2021
- DİCLELİ M., Development of strength reduction factors for performance-based seismic design of bridges in far-fault seismic regions, Yüksek Lisans, T.Z.S.(Öğrenci), 2021
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- DİCLELİ M., Çekiç başlı köprü ayaklarında hareketli yük etkilerinin belirlenmesi için tasarım denklemlerinin geliştirilmesi., Yüksek Lisans, Ç.Demir(Öğrenci), 2019
- DİCLELİ M., Yakın saha deprem etkisine maruz kalan sismik izolatörlü yapıların eşdeğer doğrusal analizi için enerji sönmüleme denklemi, Yüksek Lisans, E.Kara(Öğrenci), 2019
- DİCLELİ M., Sismik yalıtımlı yapılar için önerilen minimum merkezleme denklemleri., Yüksek Lisans, A.Güenalp(Öğrenci), 2019
- DİCLELİ M., Comparative seismic performance assessment of continuous slab on girder bridges with multi column pier bent and hammerhead pier for soft and stiff soil conditions, Yüksek Lisans, Ç.İMAMOĞLU(Öğrenci), 2018
- DİCLELİ M., Çekiç başlı ve çok kolonlu orta ayağa sahip kiriş- üzerine-tabliyeli sürekli köprülerin yumuşak ve sert zeminlerde sismik performansının karşılaştırmalı değerlendirmesi., Yüksek Lisans, Ç.İmamoğlu(Öğrenci), 2018
- DİCLELİ M., Torsional hysteretic damper for seismic protection of structures, Doktora, A.SALEM(Öğrenci), 2014
- DİCLELİ M., Low-cycle fatigue performance of steel H-piles in integral bridges, Doktora, M.KARALAR(Öğrenci), 2014
- DİCLELİ M., YAKUT A., Dynamic simulation of shaking table tests for a shear-wall building having torsion, Yüksek Lisans, S.NAZİRZADEH(Öğrenci), 2012
- DİCLELİ M., Effect of vehicular and seismic loads on the performance of integral bridges, Doktora, S.ERHAN(Öğrenci), 2011
- DİCLELİ M., Effect of skew on live load distribution in integral bridges, Yüksek Lisans, M.ALİ(Öğrenci), 2009
- DİCLELİ M., Seismic retrofitting of reinforced concrete buildings using steel braces with shear link, Yüksek Lisans, C.DURUCAN(Öğrenci), 2009
- DİCLELİ M., An assessment of winkler model for simulation of shallow foundation uplift, Yüksek Lisans, R.BURAK(Öğrenci), 2008
- DİCLELİ M., Development of a physical theory model for the simulation of hysteretic behavior of steel braces, Yüksek Lisans, E.EMRE(Öğrenci), 2007

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Development of strength reduction factors for performance-based seismic design of bridges in far-fault seismic regions**
Rabaia T., DİCLELİ M.
Engineering Structures, cilt.318, 2024 (SCI-Expanded)
- II. **Effect of dynamic soil-structure interaction modeling assumptions on the calculated seismic**

response of railway bridges with single-column piers resting on shallow foundations

İMAMOĞLU Ç., DİCLELİ M.

Soil Dynamics and Earthquake Engineering, cilt.181, 2024 (SCI-Expanded)

- III. **Live load effects in hammer-head piers of continuous highway bridges and design equations based on numerical simulations verified by field tests**
Demir C., DİCLELİ M.
ENGINEERING STRUCTURES, cilt.279, 2023 (SCI-Expanded)
- IV. **Effect of pile orientation on the fatigue performance of jointless bridge H-piles subjected to cyclic flexural strains**
Karalar M., DİCLELİ M.
Engineering Structures, cilt.276, 2023 (SCI-Expanded)
- V. **Comparative seismic behavior assessment of a new damper-equipped and conventional chevron-braced frames**
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Journal of Constructional Steel Research, cilt.201, 2023 (SCI-Expanded)
- VI. **Novel hysteretic damper to improve the distribution of story drifts and energy dissipation along the height of braced frames**
Milani A. S., DİCLELİ M.
ENGINEERING STRUCTURES, cilt.260, 2022 (SCI-Expanded)
- VII. **Proposed minimum restoring force requirements for seismic isolated structures**
DİCLELİ M., Gorgulu A. G.
ENGINEERING STRUCTURES, cilt.228, 2021 (SCI-Expanded)
- VIII. **Damping reduction equation for the equivalent linear analysis of seismic isolated structures subjected to near fault ground motions**
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ENGINEERING STRUCTURES, cilt.220, 2020 (SCI-Expanded)
- IX. **Effect of the high frequency components of near-fault ground motions on the response of linear and nonlinear SDOF systems: A moving average filtering approach**
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Soil Dynamics and Earthquake Engineering, cilt.129, 2020 (SCI-Expanded)
- X. **Low-cycle fatigue in steel H-piles of integral bridges; a comparative study of experimental testing and finite element simulation**
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Steel and Composite Structures, cilt.34, sa.1, ss.35-51, 2020 (SCI-Expanded)
- XI. **Fatigue in jointless bridge H-piles under axial load and thermal movements**
Karalar M., Dicleli M.
Journal of Constructional Steel Research, cilt.147, ss.504-522, 2018 (SCI-Expanded)
- XII. **Incorporation of Skew Effects in Live-Load Distribution Factors Developed for Typical Integral Bridges**
DİCLELİ M., Yalcin O. F.
JOURNAL OF BRIDGE ENGINEERING, cilt.23, sa.2, 2018 (SCI-Expanded)
- XIII. **Design of Isolated Bridges for Multi-Level Seismic Performance using Gapped Device Connections**
Dicleli M., Salem Milani A.
Journal Of Bridge Engineering, cilt.22, sa.10, ss.79-97, 2017 (SCI-Expanded)
- XIV. **Parametric study on the effect of structural and geotechnical properties on the seismic performance of integral bridges**
Erhan S., DİCLELİ M.
BULLETIN OF EARTHQUAKE ENGINEERING, cilt.15, sa.10, ss.4163-4191, 2017 (SCI-Expanded)
- XV. **Low-cycle fatigue performance of solid cylindrical steel components subjected to torsion at very large strains**
Milani A. S., DİCLELİ M.

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- XVI. **Effect of thermal induced flexural strain cycles on the low cycle fatigue performance of integral bridge steel H-piles**
Karalar M., DİCLELİ M.
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- XVII. **Systematic development of a new hysteretic damper based on torsional yielding: part I-design and development**
Milani A. S., DİCLELİ M.
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- XIX. **A(P)/V-P specific inelastic displacement ratio for seismic response estimation of structures**
Duruca C., DİCLELİ M.
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- XX. **Comparative assessment of the seismic performance of integral and conventional bridges with respect to the differences at the abutments**
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BULLETIN OF EARTHQUAKE ENGINEERING, cilt.13, sa.2, ss.653-677, 2015 (SCI-Expanded)
- XXI. **MARTI and MRSD: Newly Developed Isolation-Damping Devices with Adaptive Hardening for Seismic Protection of Structures**
Dicleli M., Salem Milani A.
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- XXII. **Effect of dynamic soil-bridge interaction modeling assumptions on the calculated seismic response of integral bridges**
Erhan S., DİCLELİ M.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, cilt.66, ss.42-55, 2014 (SCI-Expanded)
- XXIII. **Evaluation of displacement coefficient method for seismically retrofitted buildings with various ductility capacities**
DİCLELİ M., Duruca C.
EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, cilt.43, sa.9, ss.1285-1306, 2014 (SCI-Expanded)
- XXIV. **Critical Truck Loading Pattern to Maximize Live Load Effects in Skewed Integral Bridges**
DİCLELİ M., Yalcin O. F.
STRUCTURAL ENGINEERING INTERNATIONAL, cilt.24, sa.2, ss.265-274, 2014 (SCI-Expanded)
- XXV. **Comparative Study on the Effect of Number of Girders on Live Load Distribution in Integral Abutment and Simply Supported Bridge Girders**
Yalcin O. F., DİCLELİ M.
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- XXVI. **Effect of lead core heating on the seismic performance of bridges isolated with LRB in near-fault zones**
Ozdemir G., DİCLELİ M.
EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, cilt.41, sa.14, ss.1989-2007, 2012 (SCI-Expanded)
- XXVII. **Parametric analysis of optimum isolator properties for bridges susceptible to near-fault ground motions**
Karalar M., Padgett J. E., DİCLELİ M.
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- XXVIII. **Development of a new rubber seismic isolator: 'Ball Rubber Bearing (BRB)'**
ÖZKAYA C., AKYÜZ U., CANER A., DİCLELİ M., Pinarbasi S.
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- XXIX. **Optimum characteristic properties of isolators with bilinear force-displacement hysteresis for**

seismic protection of bridges built on various site soils

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- XXX. **Effect of Foundation Soil Stiffness on the Seismic Performance of Integral Bridges**
DİCLELİ M., Erhan S.
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- XXXI. **Analytical study on seismic retrofitting of reinforced concrete buildings using steel braces with shear link**
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- XXXII. **Effect of superstructure-abutment continuity on live load distribution in integral abutment bridge girders**
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- XXXIII. **Effect of soil-bridge interaction on the magnitude of internal forces in integral abutment bridge components due to live load effects**
DİCLELİ M., Erhan S.
ENGINEERING STRUCTURES, cilt.32, sa.1, ss.129-145, 2010 (SCI-Expanded)
- XXXIV. **Live Load Distribution Formulas for Single-Span Prestressed Concrete Integral Abutment Bridge Girders**
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- XXXV. **Effects of soil bridge interaction and abutment deck continuity on the live load distribution factors in integral bridge components** Integral köprülerde hareketli yük dağılımı Yapı-Zemin etkileşimi ve uç-ayak tabliye sürekliliğinin etkileri
Erhan S., DİCLELİ M.
Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers, cilt.20, sa.4, ss.4833-4850, 2009 (SCI-Expanded)
- XXXVI. **Effects of Soil Bridge Interaction and Abutment Deck Continuity on the Live Load Distribution Factors in Integral Bridge Components**
Erhan S., DİCLELİ M.
TEKNIK DERGI, cilt.20, sa.4, ss.4833-4850, 2009 (SCI-Expanded)
- XXXVII. **Investigation of the Applicability of AASHTO LRFD Live Load Distribution equations for Integral Bridge Substructures**
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- XXXVIII. **SEISMIC RETROFITTING OF CHEVRON-BRACED STEEL FRAMES BASED ON PREVENTING BUCKLING INSTABILITY OF BRACES**
DİCLELİ M., Mehta A.
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- XXXIX. **Live load distribution equations for integral bridge substructures**
Erhan S., Dicleli M.
ENGINEERING STRUCTURES, cilt.31, sa.5, ss.1250-1264, 2009 (SCI-Expanded)
- XL. **Effect of soil and substructure properties on live-load distribution in integral abutment bridges**
DİCLELİ M., Erhan S.
JOURNAL OF BRIDGE ENGINEERING, cilt.13, sa.5, ss.527-539, 2008 (SCI-Expanded)
- XLI. **Physical theory hysteretic model for steel braces**
DİCLELİ M., Calik E. E.
JOURNAL OF STRUCTURAL ENGINEERING-ASCE, cilt.134, sa.7, ss.1215-1228, 2008 (SCI-Expanded)
- XLII. **Performance of seismic-isolated bridges with and without elastic-gap devices in near-fault zones**

- Dicleli M.
EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, cilt.37, sa.6, ss.935-954, 2008 (SCI-Expanded)
- XLIII. **Seismic performance of a special type of single-story eccentrically braced steel frame**
DICLELİ M., Mehta A.
ADVANCES IN STRUCTURAL ENGINEERING, cilt.11, sa.1, ss.35-51, 2008 (SCI-Expanded)
- XLIV. **Seismic performance of chevron braced steel frames with and without viscous fluid dampers as a function of ground motion and damper characteristics**
Dicleli M., Mehta A.
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- XLV. **Comprehensive evaluation of equivalent linear analysis method for seismic-isolated structures represented by sdof systems**
Dicleli M., Buddaram S.
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- XLVI. **Efficient energy dissipating steel-braced frame to resist seismic loads**
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- XLVII. **Effect of near-fault ground motion and damper characteristics on the seismic performance of chevron braced steel frames**
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- XLVIII. **Supplemental elastic stiffness to reduce isolator displacements for seismic-isolated bridges in near-fault zones**
Dicleli M.
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- XLIX. **Simulation of inelastic cyclic buckling behavior of steel box sections**
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COMPUTERS & STRUCTURES, cilt.85, ss.446-457, 2007 (SCI-Expanded)
- L. **Equivalent linear analysis of seismic-isolated bridges subjected to near-fault ground motions with forward rupture directivity effect**
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- LI. **Performance of seismic-isolated bridges in relation to near-fault ground-motion and isolator characteristics**
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- LII. **Improved effective damping equation for equivalent linear analysis of seismic-isolated bridges**
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- LIII. **Effect of isolator and ground motion characteristics on the performance of seismic-isolated bridges**
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- LIV. **Effect of modifying bearing fixities on the seismic response of short- to medium-length bridges with heavy substructures**
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- LV. **Analytical formulation of maximum length limits of integral bridges on cohesive soils**
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CANADIAN JOURNAL OF CIVIL ENGINEERING, cilt.32, sa.4, ss.726-738, 2005 (SCI-Expanded)
- LVI. **Efficiency of Seismic Isolation for Seismic Retrofitting of Heavy Substructured Bridges**
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- LVII. Seismic retrofitting of bridges by response modification techniques based on altering bearing fixities**
Dicleli M., Hindi R.
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- LVIII. Integral Abutment-Backfill Behavior on Sand Soil-Pushover Analysis Approach**
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- LIX. Analytical prediction of thermal displacement capacity of integral bridges built on sand**
Dicleli M.
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- LX. Static soil-structure interaction effects in seismic-isolated bridges**
Dicleli M., Albhaisi S., Mansour M.
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- LXI. Prediction of damage in R/C shear panels subjected to reversed cyclic loading**
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- LXII. Estimation of Length Limits for Integral Bridges Built on Clay**
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- LXIII. Nonlinear analysis of R/C low-rise shear walls**
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Advances in Structural Engineering, cilt.7, sa.4, ss.345-361, 2004 (SCI-Expanded)
- LXIV. Performance of abutment-backfill system under thermal variations in integral bridges built on clay**
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- LXV. Predicting the shear strength of reinforced concrete beams using artificial neural networks**
Mansour M., Dicleli M., Lee J., Zhang J.
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- LXVI. Effect of cyclic thermal loading on the performance of steel H-piles in integral bridges with stub-abutments**
Dicleli M., Albhaisi S.
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- LXVII. Assessment of Performance of Seismic Isolation System of Bolu Viaduct**
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- LXVIII. Seismic retrofitting of highway bridges in Illinois using friction pendulum seismic isolation bearings and modeling procedures**
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- LXIX. Maximum length of integral bridges supported on steel H-piles driven in sand**
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- LXX. Simplified seismic analysis of a class of regular steel bridges**
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ENGINEERING STRUCTURES, cilt.24, sa.11, ss.1409-1422, 2002 (SCI-Expanded)
- LXXI. Seismic design of lifeline bridge using hybrid seismic isolation**
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- LXXII. Simplified model for computer-aided analysis of integral bridges**
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- LXXIII. **A rational design approach for prestressed-concrete-girder integral bridges**
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- LXXIV. **Computer-aided optimum design of steel tubular telescopic pole structures**
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- LXXV. **Quantitative approach to rapid seismic evaluation of slab-on-girder steel highway bridges**
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- LXXVII. **SEISMIC PERFORMANCE OF SINGLE-SPAN SIMPLY SUPPORTED AND CONTINUOUS SLAB-ON-GIRDER STEEL HIGHWAY BRIDGES**
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- LXXVIII. **AN ENERGY APPROACH TO SLIDING OF SINGLE-SPAN SIMPLY SUPPORTED SLAB-ON-GIRDER STEEL HIGHWAY BRIDGES WITH DAMAGED BEARINGS**
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