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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1995 - 2001

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Energy based seismic evaluation of degrading systems, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2001

Araştırma Alanları

İnşaat Mühendisliği , Mekanik, Yapı , Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2004 - Devam Ediyor

Yönetilen Tezler

Erberik M. A. , Askan Gündoğan A., Effect of vertical ground motion on the performance of high-rise buildings, Yüksek Lisans, E.KESKİN(Öğrenci), 2020

Erberik M. A. , Predefined damage patterns for limit analysis on non-engineered masonry buildings, Yüksek Lisans, C.İÇEL(Öğrenci), 2019

SUCUOĞLU H., ERBERİK M. A. , ENERGY BASED SEISMIC ASSESSMENT AND DESIGN, Doktora, F.SONER(Öğrenci), 2019

Erberik M. A. , Energy based evaluation of RC frame structures, Yüksek Lisans, MAZIZI(Öğrenci), 2019

Erberik M. A. , Askan Gündoğan A., Seismic performance of masonry buildings subjected to synthetic ground motions, Yüksek Lisans, A.BAHADIR(Öğrenci), 2019

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YILMAZ M. T. , ERBERİK M. A. , Olasılıksal deprem tehlikesi analizi ile şev stabilitesinin psüdo-statik analizinde kullanılan sismik katsayının belirlenmesi, Yüksek Lisans, K.Gedikaslan(Öğrenci), 2017

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ERBERİK M. A. , Türkiyedeki geniş yastık kirişli dolgu çerçeve sistemlerinin sismik performans değerlendirilmesi, Yüksek Lisans, E.Karaaslan(Öğrenci), 2015

ERBERİK M. A. , Performance evaluation of confined masonry walls, Yüksek Lisans, G.ERKÖSEOĞLU(Öğrenci), 2014

ERBERİK M. A. , Kuşatılmış yığma duvarların performans değerlendirilmesi, Yüksek Lisans, G.Erköseoğlu(Öğrenci), 2014

ERBERİK M. A. , ASKAN GÜNDOĞAN A., An approach for seismic damage assessment of residential buildings, Yüksek Lisans, C.DEMİRCİ(Öğrenci), 2014

ERBERİK M. A. , ASKAN GÜNDOĞAN A., An integrated seismic loss estimation methodology: A case study in Northwestern Turkey, Yüksek Lisans, E.MÜGE(Öğrenci), 2011

ERBERİK M. A. , Seismic vulnerability of masonry structures in Turkey, Yüksek Lisans, H.CERAN(Öğrenci), 2010

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ERBERİK M. A. , Düzce veritabanı kullanılarak Türkiye'deki az ve orta katlı binaların hasargörebilirlik açısından değerlendirilmesi, Yüksek Lisans, A.Özün(Öğrenci), 2007

ERBERİK M. A. , Basit yapısal sistemlerin azalmı özelliklerinin belirlenmesi için detaylı bir analiz, Yüksek Lisans, B.Kurtman(Öğrenci), 2007

ERBERİK M. A. , Fragility based assessment of low-rise and mid-rise reinforced concrete frame buildings in Turkey using Düzce damage database, Yüksek Lisans, A.ÖZÜN(Öğrenci), 2007

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A case study for probabilistic seismic risk assessment of earthquake-prone old urban centers**
Altındal A., KARIM ZADEH NAGHSHINEH S., ERBERİK M. A. , ASKAN GÜNDOĞAN A., ANIL Ö., KOÇKAR M. K. , ŞAHMARAN M.
International Journal of Disaster Risk Reduction, cilt.61, 2021 (SCI İndekslerine Giren Dergi)
- II. **Seismic demands of bare and base-isolated steel frames for real against simulated records of a past earthquake**
Ozsarac V., Karimzadeh S., ASKAN GÜNDOĞAN A., ERBERİK M. A.
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- III. **Derivation of analytical fragility curves using SDOF models of masonry structures in Erzincan (Turkey)**
Karimzadeh S., Kadas K., Askan A., Erberik M. A. , Yakut A.
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- IV. **Use of simulated ground motions for the evaluation of energy response of simple structural systems**
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- V. **Seismic performance assessment of confined masonry construction at component and structure levels**
ERBERİK M. A. , Citiloglu C., Erkoseoglu G.

- BULLETIN OF EARTHQUAKE ENGINEERING, cilt.17, sa.2, ss.867-889, 2019 (SCI İndekslerine Giren Dergi)
- VI. **Seismic damage assessment based on regional synthetic ground motion dataset: a case study for Erzincan, Turkey**
Karimzadeh S., Askan A., Erberik M. A., Yakut A.
NATURAL HAZARDS, cilt.92, ss.1371-1397, 2018 (SCI İndekslerine Giren Dergi)
- VII. **The effect of structural variability and local site conditions on building fragility functions**
Sisi A. A., Erberik M. A., Askan A.
EARTHQUAKES AND STRUCTURES, cilt.14, ss.285-295, 2018 (SCI İndekslerine Giren Dergi)
- VIII. **Site-specific uniform hazard spectrum in Eastern Turkey based on simulated ground motions including near-field directivity and detailed site effects**
Sisi A. A., Askan A., Erberik M. A.
ACTA GEOPHYSICA, cilt.65, ss.309-330, 2017 (SCI İndekslerine Giren Dergi)
- IX. **Performance Assessment of Turkish Residential Buildings for Seismic Damage and Loss Estimation**
Un E. M., Erberik M. A., Askan A.
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- X. **Blockage assessment of buildings during emergency using multiple types of sensors**
Ergen Pehlevan E., Guven G., KURÇ Ö., ERBERİK M. A., Ergin T., BİRGÖNÜL M. T., Akinci B.
AUTOMATION IN CONSTRUCTION, cilt.49, ss.71-82, 2015 (SCI İndekslerine Giren Dergi)
- XI. **Effect of out-of-plane behavior on seismic fragility of masonry buildings in Turkey**
Ceran H. B., ERBERİK M. A.
BULLETIN OF EARTHQUAKE ENGINEERING, cilt.11, sa.5, ss.1775-1795, 2013 (SCI İndekslerine Giren Dergi)
- XII. **Seismic Performance Assessment of Unreinforced Masonry Buildings with a Hybrid Modeling Approach**
Aldemir A., ERBERİK M. A., Demirel I. O., SUCUOĞLU H.
EARTHQUAKE SPECTRA, cilt.29, sa.1, ss.33-57, 2013 (SCI İndekslerine Giren Dergi)
- XIII. **Inelastic Displacement Response of RC Systems with Cyclic Deterioration-An Energy Approach**
ERBERİK M. A., SUCUOĞLU H., Acun B.
JOURNAL OF EARTHQUAKE ENGINEERING, cilt.16, sa.7, ss.937-962, 2012 (SCI İndekslerine Giren Dergi)
- XIV. **A Methodology for Seismic Loss Estimation in Urban Regions Based on Ground-Motion Simulations**
Ugurhan B., Askan A., Erberik M. A.
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- XV. **8 March 2010 Elazığ-Kovancilar (Turkey) Earthquake: Observations on Ground Motions and Building Damage**
Akkar S., Aldemir A., Askan A., Bakir S., Canbay E., Demirel I. O., Erberik M. A., Gülerce Z., Gulkan P., Kalkan E., et al.
SEISMOLOGICAL RESEARCH LETTERS, cilt.82, sa.1, ss.42-58, 2011 (SCI İndekslerine Giren Dergi)
- XVI. **Importance of Degrading Behavior for Seismic Performance Evaluation of Simple Structural Systems**
ERBERİK M. A.
JOURNAL OF EARTHQUAKE ENGINEERING, cilt.15, sa.1, ss.32-49, 2011 (SCI İndekslerine Giren Dergi)
- XVII. **Seismic Risk Assessment of Masonry Buildings in Istanbul for Effective Risk Mitigation**
Erberik M. A.
EARTHQUAKE SPECTRA, cilt.26, sa.4, ss.967-982, 2010 (SCI İndekslerine Giren Dergi)
- XVIII. **Fragility-based assessment of typical mid-rise and low-rise RC buildings in Turkey**
Erberik M. A.
ENGINEERING STRUCTURES, cilt.30, sa.5, ss.1360-1374, 2008 (SCI İndekslerine Giren Dergi)
- XIX. **Generation of fragility curves for Turkish masonry buildings considering in-plane failure modes**
Erberik M. A.
EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, cilt.37, sa.3, ss.387-405, 2008 (SCI İndekslerine Giren Dergi)
- XX. **Vulnerability of Turkish low-rise and mid-rise reinforced concrete frame structures**
AY B. Ö., ERBERİK M. A.

JOURNAL OF EARTHQUAKE ENGINEERING, cilt.12, ss.2-11, 2008 (SCI İndekslerine Giren Dergi)

XXI. Fragility analysis of flat-slab structures

Erberik M. A. , Elnashai A.

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XXII. Seismic energy dissipation in deteriorating systems through low-cycle fatigue

Erberik A., Sucuoglu H.

EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, cilt.33, sa.1, ss.49-67, 2004 (SCI İndekslerine Giren Dergi)

XXIII. Energy-based hysteresis and damage models for deteriorating systems

Sucuoglu H., Erberik A.

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XXIV. Statistical evaluation of the damage potential of earthquake ground motions

Sucuoglu H., Yucemen S., Gezer A., Erberik A.

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XXV. Performance evaluation of a three-storey unreinforced masonry building during the 1992 Erzincan earthquake

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Kitap & Kitap Bölümleri

I. Rapid Seismic Assessment Procedures for the Turkish Building Stock

YAKUT A., ERBERİK M. A. , İLKİ A., SUCUOĞLU H., AKKAR D. S.

Seismic Evaluation and Rehabilitation of Structures, Alper İlki, Michael N. Fardis, Editör, Springer, ss.15-35, 2014

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. Spatial Distribution of Hysteretic Energy in Reinforced Concrete Moment Resisting Frames

ERBERİK M. A. , Azizi M.

1st International Workshop on Energy-Based Seismic Engineering, IWEBSE 2021, Madrid, İspanya, 24 - 26 Mayıs 2021, ss.47-62

II. Türkiye'deki Yiğma Binaların Genel Özelliklerine Dair Bir Çalışma

Eroğlu Azak T., Erberik M. A.

5th International Conference on Earthquake Engineering and Seismology, Ankara, Türkiye, 8 - 11 Ekim 2019, ss.1-10

III. Energy-Based Evaluation of RC Frame Structures

Azizi M., Erberik M. A.

5th International Conference on Earthquake Engineering and Seismology, Ankara, Türkiye, 8 - 11 Ekim 2019, ss.1-14

IV. Seismic Performance of Masonry Buildings Subjected to Synthetic Ground Motions

Koç A. B. , Erberik M. A. , Askan Gündoğan A., Karım Zadeh Naghshineh S.

5th International Conference on Earthquake Engineering and Seismology, Ankara, Türkiye, 8 - 11 Ekim 2019, ss.1-11

V. Comparison of energy-based responses of structural systems to real and simulated ground motion records

Ozsarac V., Karimzadeh S., Askan A., ERBERİK M. A.

7th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering,

COMPdyn 2019, Crete, Yunanistan, 24 - 26 Haziran 2019, cilt.2, ss.2234-2243

- VI. **Comparison energy-based seismic structural responses based on simulated ground motions with existing empirical relationships**
Karimzadeh S., Askan A., Erberik M. A.
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- VII. **Comparison of energy-based seismic structural responses based on simulated ground motions with existing empirical relationships**
KARIM ZADEH NAGHSHINEH S., ASKAN GÜNDOĞAN A., Erberik M. A.
13th Advances in Civil Engineering Congress (ACE), Cesme, Türkiye, 12 - 14 Eylül 2018
- VIII. **EVALUATION OF SEISMIC ENERGY IN SIMPLE STRUCTURAL SYSTEMS USING SIMULATED GROUND MOTIONS**
Karim Zadeh Naghshineh S., Ozsarac V., Askan Gündoğan A., Erberik M. A.
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- IX. **FRAGILITY CURVES FOR RC BUILDINGS OF DUZCE (TURKEY) USING SIMULATED RECORDS**
Kadas K., Karimzadeh S., Askan A., Erberik M. A. , Yakut A.
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- X. **THE COMPARISON OF DIFFERENT FRAGILITY CURVE GENERATION TECHNIQUES TO ESTIMATE OBSERVED DAMAGE DISTRIBUTIONS**
Karim Zadeh Naghshineh S., Kadas K., Askan A., Erberik M. A. , Yakut A.
16th European conference on earthquake engineering, Thessaloniki, Yunanistan, 18 - 21 Haziran 2018
- XI. **A comparative study on the seismic performances of unreinforced and confined masonry buildings**
ERBERİK M. A. , ÇİTİLOĞLU C., ERKÖSEOĞLU G.
16th European Conference on Earthquake Engineering, 18 - 21 Haziran 2018
- XII. **Predefined damage patterns for limit analysis on non-engineered masonry buildings**
İÇEL C., ERBERİK M. A. , YILMAZ M. T.
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- XIII. **FROM SEISMIC SOURCES TO ENGINEERING DEMANDPARAMETERS: AN INTERDISCIPLINARY FRAMEWORK FORESTIMATION OF SEISMIC LOSSES IN URBAN REGIONS**
Askan A., Asten M., Erberik M. A. , Erkmen C., Karimzadeh S., Kılıç N., Şişman N., Yakut A.
Best Practices in Physics-based Fault Rupture Models for Seismic Hazard Assessment of Nuclear Installations: issues and challenges towards full Seismic Risk Analysis, Aix-En-Provence, Fransa, 14 Mayıs - 16 Ağustos 2018
- XIV. **From Seismic Sources to Engineering Demand Parameters: An Interdisciplinary Framework for Estimation of Seismic Losses in Urban Region**
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- XV. **From Seismic Sources to Engineering Demand Parameters: An Interdisciplinary Framework for Estimation of Seismic Losses in Urban Regions**
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- XVI. **An energy-based seismic response evaluation of simple structural systems with simulated ground motions**
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- XVII. **Comparison of energy-based seismic structural responses based on simulated ground motions with existing empirical relationships**
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- XVIII. **Donatısız ve kuşatılmış yığma yapıların deprem performanslarının karşılaştırılması**
ÇİTİLOĞLU C., ERBERİK M. A.
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- XIX. **Kırılgnalık eğrileri kullanılarak elde edilen tahmini hasar dağılımının hasar tespit verileriyle karşılaştırılması**
ÇETİN C., ERBERİK M. A.
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- XX. **A guideline for earthquake risk management of historical structures in Turkey**
AHUNBAY Z., ALTAY G., ARUN E. G., AYDEMİR O., ATASAGUN F. D., CELEP Z., ERBERİK M. A., İLKİ A., KURAN F., ÜNAL Z. G., et al.
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- XXI. **An energy-based seismic response evaluation of simple structural systems with simulated ground motions**
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4th International Conference on Earthquake Engineering and Engineering Seismology, 11 - 13 Ekim 2017
- XXII. **Yığma Yapıların Deprem Etkisi Altında Gözleme ve Hesaba Bağlı DEğerlendirilmesi için Yöntem**
GENEŞ M. C., Abrahamczyk L., KAÇIN S., ERBERİK M. A.
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, Eskişehir, Türkiye, 11 - 13 Ekim 2017
- XXIII. **An Energy-Based Seismic Response Evaluation of Simple Structural Systems with Simulated Ground Motions**
KARIM ZADEH NAGHSHINEH S., Ozsarac V., ASKAN GÜNDOĞAN A., Erberik M. A.
4. International Conference on Earthquake Engineering and Seismology (4ICEES), Eskişehir, Türkiye, 11 - 13 Ekim 2017
- XXIV. **AN INVESTIGATION ON THE USE OF SIMULATED RECORDS IN DERIVATION OF FRAGILITY CURVES FOR RC BUILDINGS IN**
kadas k, karimzadeh s., ASKAN GÜNDOĞAN A., ERBERİK M. A., YAKUT A.
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- XXV. **An Investigation on the Use of Simulated Records in Derivation of Fragility Curves for RC Buildings in Duzce**
Kadaş K., KARIM ZADEH NAGHSHINEH S., ASKAN GÜNDOĞAN A., Erberik M. A., YAKUT A.
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- XXVI. **Energy-based response of simple structural systems by using simulated ground motions**
Ozsarac V., Karimzadeh S., ERBERİK M. A., ASKAN GÜNDOĞAN A.
10th International Conference on Structural Dynamics (EURODYN), Rome, İtalya, 10 - 13 Eylül 2017, cilt.199, ss.236-241
- XXVII. **A study on fragility analyses of masonry buildings in Erzincan (Turkey) utilizing simulated and real ground motion records**
Karimzadeh S., Kadas K., ASKAN GÜNDOĞAN A., ERBERİK M. A., YAKUT A.
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- XXVIII. **Preparation of a Guideline for Earthquake Risk Management of Historical Structures in Turkey**
AHUNBAY Z., ALTAY G., ARUN E. G., AYDEMİR O., ATASAGUN F. D., CELEP Z., ERBERİK M. A., İLKİ A., KURAN F., ÜNAL Z. G., et al.
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- XXIX. **An Energy-based seismic response evaluation of Simple Structural Systems with Simulated Ground**

Motions

KARIM ZADEH NAGHSHINEH S., Ozsarac V., ASKAN GÜNDOĞAN A., Erberik M. A.

2017 Seismological Society of America Annual Meeting, Denver, Colorado, Amerika Birleşik Devletleri, 18 - 20 Nisan 2017

- XXX. **Seismic Fragility of Wide-Beam Infill-Joist Block Reinforced Concrete Frame Buildings**
KARAASLAN E., DÖNMEZ C., ERBERİK M. A.
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- XXXI. **An Interdisciplinary Approach for Regional Seismic Damage Estimation**
ASKAN GÜNDOĞAN A., Erberik M. A., KARIM ZADEH NAGHSHINEH S., YAKUT A., Sisman F. N., Kilic N., Asten M.
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- XXXII. **Seismic Damage Assessment in Erzincan (Turkey) utilizing Synthetic Ground Motion Records**
KARIM ZADEH NAGHSHINEH S., ASKAN GÜNDOĞAN A., Erberik M. A., YAKUT A.
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- XXXIV. **SEISMIC DAMAGE ASSESSMENT IN ERZINCAN (TURKEY) UTILIZING SYNTHETIC GROUND MOTION RECORDS**
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- XXXV. **Energy-Based Response of Simple Structural Systems by using Simulated Ground Motions**
KARIM ZADEH NAGHSHINEH S., Erberik M. A., ASKAN GÜNDOĞAN A.
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- XXXVI. **Seismic Damage Estimation on Regional Basis A Case Study**
ERBERİK M. A., ASKAN GÜNDOĞAN A.
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- XXXVII. **Evaluation of Changing Building Characteristics in Turkey**
Ay B. Ö., Eroğlu Azak T., Erberik M. A.
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- XXXVIII. **Evaluation of Changing Building Characteristics in Turkey**
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- XXXIX. **A Study on Fragility Analysis of Masonry Buildings**
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