

Prof.Dr. ÖZGÜR KURÇ

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Georgia Institute of Technology, Amerika Birleşik Devletleri 1999 - 2005

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1997 - 1999

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Türkiye 1993 - 1997

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, A Substructure Based Parallel Solution Framework for Solving Linear Structural Systems with Multiple Loading Conditions, Georgia Institute Of Technology, 2005

Yüksek Lisans, A finite element based plate/shell macro element, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 1999

Araştırma Alanları

Yapı

Akademik Unvanlar / Görevler

Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2012 - Devam Ediyor

Yönetilen Tezler

Kurç Ö., Yaman İ. Ö., EXPERIMENTAL AND NUMERICAL INVESTIGATION OF SHRINKAGE MECHANISM OF PLAIN AND REINFORCED CONCRETE MEMBERS, Doktora, U.ALBOSTAN(Öğrenci), 2020

KURÇ Ö., Çelik ı-kirişli köprülerin sınırlandırılmış çarpılma davranışı dikkate alınarak pratik modellenmesi üzerine karşılaştırmalı bir çalışma, Yüksek Lisans, A.Şeyma(Öğrenci), 2020

KURÇ Ö., Derin kazı sonlu elemanlar analizi: örnek olay incelemesi, Yüksek Lisans, R.Deniz(Öğrenci), 2019

KURÇ Ö., SUCUOĞLU H., A comparative study on nonlinear modeling of structural walls, Yüksek Lisans, S.EREN(Öğrenci), 2018

KURÇ Ö., Experimental investigation of turbulent flow and wind comfort characteristics of fractal wind fences, Yüksek Lisans, Ş.ÇOŞKUN(Öğrenci), 2017

KURÇ Ö., Baraj-rezervuar sistemlerinin deprem etkisi altında örtük yekpare ve paralel olarak çözümlenmesi, Doktora,

S.Özmen(Öğrenci), 2016

KURÇ Ö., IMPLICIT MONOLITHIC PARALLEL SOLUTION ALGORITHM FOR SEISMIC ANALYSIS OF DAM-RESERVOIR SYSTEMS, Doktora, S.ÖZMEN(Öğrenci), 2016

KURÇ Ö., Yapı mühendisliği deney verileri için bir web arayüzü ve veritabanı yapısı tasarımı., Yüksek Lisans, T.Kurt(Öğrenci), 2014

KURÇ Ö., Betonarme kolonlar için sayısal görüntü işleme temelli yarı otomatik donatı ölçme ve belirleme yöntemi., Yüksek Lisans, M.Usman(Öğrenci), 2014

KURÇ Ö., A computer vision based method for semi-automated rebar detection and measurement of reinforced concrete columns, Yüksek Lisans, M.USMAN(Öğrenci), 2014

KURÇ Ö., Design of a web based interface and database structure for structural engineering experiment data, Yüksek Lisans, T.KURT(Öğrenci), 2014

KURÇ Ö., A METHODOLOGY FOR REAL-TIME SENSOR-BASED BLOCKAGE ASSESSMENT OF BUILDING STRUCTURES DURING EARTHQUAKES, Yüksek Lisans, T.ERGİN(Öğrenci), 2013

KURÇ Ö., POLAT M. U. , Nonlinear analysis of reinforced concrete frame structures, Yüksek Lisans, G.KORAY(Öğrenci), 2013

KURÇ Ö., Implementation of coupled thermal and structural analysis methods for reinforced concrete structures, Yüksek Lisans, U.ALBOSTAN(Öğrenci), 2013

UZOL O., KURÇ Ö., Experimental and numerical investigation of the wind effects on long span bridge decks, Yüksek Lisans, I.ASHTİANİ(Öğrenci), 2011

KURÇ Ö., Investigation of wind effects on tall buildings through wind tunnel testing, Yüksek Lisans, B.KAYIŞOĞLU(Öğrenci), 2011

ÇETİN K. Ö. , KURÇ Ö., Parallel solution of soil-structure interaction problems on PC clusters, Yüksek Lisans, T.BAÇÇECİOĞLU(Öğrenci), 2011

KURÇ Ö., Solution of sparse systems on GPU architecture, Yüksek Lisans, A.LÜLEÇ(Öğrenci), 2011

KURÇ Ö., A web-based database for experimental structural engineering research, Yüksek Lisans, Ö.UMUT(Öğrenci), 2010

KURÇ Ö., A web based multi user framework for the design and detailing of reinforced concrete frames - beams, Yüksek Lisans, E.BURAK(Öğrenci), 2009

KURÇ Ö., Linear static analysis of large structural models on PC clusters, Yüksek Lisans, S.ÖZMEN(Öğrenci), 2009

KURÇ Ö., A web based multi-user framework for the design and detailing of reinforced concrete frames-columns, Yüksek Lisans, G.ÜNAL(Öğrenci), 2009

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A Wireless Metamaterial-Inspired Passive Rotation Sensor With Submilliradian Resolution**
Gargari A. M. , Ozbey B., DEMİR H. V. , ALTINTAŞ A., Albostan U., KURÇ Ö., ERTÜRK V. B.
IEEE SENSORS JOURNAL, cilt.18, sa.11, ss.4482-4490, 2018 (SCI İndekslerine Giren Dergi)
- II. **Experimental investigation of wake flow field and wind comfort characteristics of fractal wind fences**
Coskun S., Hazaveh H. A. , UZOL O., KURÇ Ö.
JOURNAL OF WIND ENGINEERING AND INDUSTRIAL AERODYNAMICS, cilt.168, ss.32-47, 2017 (SCI İndekslerine Giren Dergi)
- III. **Multi-Point Single-Antenna Sensing Enabled by Wireless Nested Split-Ring Resonator Sensors**
Ozbey B., ERTÜRK V. B. , KURÇ Ö., ALTINTAŞ A., DEMİR H. V.
IEEE SENSORS JOURNAL, cilt.16, sa.21, ss.7744-7752, 2016 (SCI İndekslerine Giren Dergi)
- IV. **Building-Information-Modeling-Based Earthquake Damage Assessment for Reinforced Concrete Walls**
Anil E. B. , Akinci B., KURÇ Ö., Garrett J. H.
JOURNAL OF COMPUTING IN CIVIL ENGINEERING, cilt.30, sa.4, 2016 (SCI İndekslerine Giren Dergi)
- V. **A Wireless Passive Sensing System for Displacement/Strain Measurement in Reinforced Concrete Members**

Ozbey B., ERTÜRK V. B. , DEMİR H. V. , ALTINTAŞ A., KURÇ Ö.

SENSORS, cilt.16, sa.4, 2016 (SCI İndekslerine Giren Dergi)

- VI. **Finite Element Modeling of a Reinforced Concrete Frame with Masonry Infill and Mesh Reinforced Mortar Subjected to Earthquake Loading**
Redmond L., Ezzatfar P., DesRoches R., Stavridis A., Ozcebe G., KURÇ Ö.
EARTHQUAKE SPECTRA, cilt.32, sa.1, ss.393-414, 2016 (SCI İndekslerine Giren Dergi)
- VII. **Information requirements for earthquake damage assessment of structural walls**
Anil E. B. , Akinci B., Garrett J. H. , KURÇ Ö.
ADVANCED ENGINEERING INFORMATICS, cilt.30, sa.1, ss.54-64, 2016 (SCI İndekslerine Giren Dergi)
- VIII. **Wireless Sensing in Complex Electromagnetic Media: Construction Materials and Structural Monitoring**
Ozbey B., DEMİR H. V. , KURÇ Ö., ERTÜRK V. B. , ALTINTAŞ A.
IEEE SENSORS JOURNAL, cilt.15, sa.10, ss.5545-5554, 2015 (SCI İndekslerine Giren Dergi)
- IX. **Pseudo-dynamic testing of a concrete gravity dam**
Aldemir A., BİNİCİ B., ARICI Y., KURÇ Ö., CANBAY E.
EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, cilt.44, sa.11, ss.1747-1763, 2015 (SCI İndekslerine Giren Dergi)
- 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. **Wireless Measurement of Elastic and Plastic Deformation by a Metamaterial-Based Sensor**
Ozbey B., DEMİR H. V. , KURÇ Ö., ERTÜRK V. B. , ALTINTAŞ A.
SENSORS, cilt.14, sa.10, ss.19609-19621, 2014 (SCI İndekslerine Giren Dergi)
- XII. **Atmospheric boundary layer simulation in a short wind tunnel**
Shojaee S. M. N. , UZOL O., KURÇ Ö.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, cilt.11, sa.1, ss.59-68, 2014 (SCI İndekslerine Giren Dergi)
- XIII. **Wireless Displacement Sensing Enabled by Metamaterial Probes for Remote Structural Health Monitoring**
Ozbey B., Unal E., Ertugrul H., KURÇ Ö., Puttlitz C. M. , ERTÜRK V. B. , ALTINTAŞ A., DEMİR H. V.
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- XIV. **A comparative study on different analysis approaches for estimating the axial loads on columns and structural walls at tall buildings**
KURÇ Ö., Lulec A.
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, cilt.22, sa.6, ss.485-499, 2013 (SCI İndekslerine Giren Dergi)
- XV. **Pseudo dynamic test of a deficient reinforced concrete frame upgraded with internal steel frames**
ÖZÇELİK R., BİNİCİ B., KURÇ Ö.
EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, cilt.42, sa.5, ss.763-778, 2013 (SCI İndekslerine Giren Dergi)
- XVI. **Investigation of Wind Effects on Tall Buildings through Wind Tunnel Testing**
KURÇ Ö., Kayisoglu B., Shojaee S. M. N. , UZOL O.
TEKNIK DERGI, cilt.23, sa.4, ss.6163-6186, 2012 (SCI İndekslerine Giren Dergi)
- XVII. **Information Requirements for Design and Detailing of Reinforced Concrete Frames in Multiuser Environments**
Anil E. B. , Unal G., KURÇ Ö.
JOURNAL OF COMPUTING IN CIVIL ENGINEERING, cilt.26, sa.4, ss.465-477, 2012 (SCI İndekslerine Giren Dergi)
- XVIII. **Performance Examination of Two Seismic Strengthening Procedures by Pseudodynamic Testing**
Kurt E. G. , KURÇ Ö., BİNİCİ B., CANBAY E., Ozcebe G.
JOURNAL OF STRUCTURAL ENGINEERING-ASCE, cilt.138, sa.1, ss.31-41, 2012 (SCI İndekslerine Giren Dergi)
- XIX. **Pseudo Dynamic Testing of an RC Frame Retrofitted with Chevron Braces**

- ÖZÇELİK R., BİNİCİ B., KURÇ Ö.
JOURNAL OF EARTHQUAKE ENGINEERING, cilt.16, sa.4, ss.515-539, 2012 (SCI İndekslerine Giren Dergi)
- XX. **Optimum design of high-rise steel buildings using an evolution strategy integrated parallel algorithm**
Hasançebi O., Bahcecioglu T., Kurç Ö., Saka M. P.
COMPUTERS & STRUCTURES, cilt.89, ss.2037-2051, 2011 (SCI İndekslerine Giren Dergi)
- XXI. **Seismic Performance of a Deficient Reinforced Concrete Test Frame with Infill Walls**
Kurt E. G. , BİNİCİ B., KURÇ Ö., CANBAY E., Akpınar A., Ozcebe G.
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- XXII. **A Comparative Study on Structural Wall Design Approach of 2007 Turkish Seismic Code**
KURÇ Ö., Kayisoglu B., Lulec A., Ozcebe G.
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- XXIII. **Workload Distribution Framework for the Parallel Solution of Large Structural Models on Heterogeneous PC Clusters**
KURÇ Ö.
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- XXIV. **A New Era in Structural Analysis: Construction Staging**
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- XXV. **An Efficient Parallel Solution Framework for the Linear Solution of Large Systems on PC Clusters**
KURÇ Ö., Ozmen S.
Tsinghua Science and Technology, cilt.13, ss.65-70, 2008 (SCI Expanded İndekslerine Giren Dergi)
- XXVI. **An iterative parallel workload balancing framework for direct condensation of substructures**
KURÇ Ö., Will K.
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Kitap & Kitap Bölümleri

- I. **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
- II. **Application of Mesh Reinforced Mortar for Performance Enhancement of Hollow Clay Tile Infill walls**
EZZATFAR P., BİNİCİ B., KURÇ Ö., CANBAY E., SUCUOĞLU H., ÖZCEBE G.
Seismic Evaluation and Rehabilitation of Structures, İlki Alper, Fardis Michael, Editör, Springer, ss.171-186, 2014
- III. **Qualification of Large Testing Facilities in Earthquake Engineering**
KURÇ Ö., SUCUOĞLU H., Marco M., Gabriele Z.
Role of Seismic Testing Facilities in Performance Based Earthquake Engineering, Fardis, Michael N, Rakicevic, Zoran, Editör, Springer, ss.287-303, 2012

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Wireless Monitoring of a Structural Beam To Be Used for Post-Earthquake Damage Assessment**
Ozbey B., Kurc O., Demir H. V. , Erturk V. B. , Altintas A.
2nd URSI Atlantic Radio Science Meeting (AT-RASC), Meloneras, İspanya, 28 Mayıs - 01 Haziran 2018
- II. **Nonlinear Seismic Dam and Foundation Analysis Using Explicit Newmark Integration Method with Static Condensation**
Albostan U., Bahcecioglu T., ARICI Y., KURÇ Ö.

10th International Conference on Structural Dynamics (EURODYN), Rome, İtalya, 10 - 13 Eylül 2017, cilt.199, ss.316-321

- III. **A Novel Wireless Metamaterial-Inspired Rotation Sensor**
Ali G., ERTÜRK V. B. , KURÇ Ö., ALTINTAŞ A., DEMİR H. V.
2017 IEEE AP-S Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, 9 - 14 Temmuz 2017
- IV. **An Electromagnetic Sensing System Incorporating Multiple Probes and Single Antenna for Wireless Structural Health Monitoring**
Ozbey B., ALTINTAŞ A., DEMİR H. V. , ERTÜRK V. B. , KURÇ Ö.
11th European Conference on Antennas and Propagation (EUCAP), Paris, Fransa, 19 - 24 Mart 2017
- V. **Application of 2D Digital Image Correlation Three Point Flexure Test of Reinforced Concrete Beam**
ALBOSTAN U., KURÇ Ö.
Application of 2D Digital Image Correlation: Three Point Flexure Test of Reinforced Concrete Beam, 21 - 23 Eylül 2016
- VI. **Development of a software suite for the structural analysis and design of concrete gravity dams**
Altuğ A., ARICI Y., BİNİCİ B., KURÇ Ö.
ICOLD 25th Congress/ICOLD 83rd Annual Meeting Symposium Hydropower' 15, 13 - 20 Haziran 2015
- VII. **A Cloud Based Workflow for a Finite Element Analysis Preprocessor**
KURT T., ARICI Y., KURÇ Ö.
Fourth International Conference on Parallel, Distributed, Grid and Cloud Computing for Engineering, 24 - 27 Mart 2015
- VIII. **RF Displacement and Strain Sensing System for Wireless Structural Health Monitoring**
Ozbey B., KURÇ Ö., DEMİR H. V. , ERTÜRK V. B. , ALTINTAŞ A.
USNC-URSI Radio Science Meeting (Joint with AP-S Symposium) Proceedings, Vancouver, Kanada, 19 Temmuz 2015, ss.214
- IX. **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
- X. **Pseudo dynamic test results of a concrete gravity dam**
Aldemir A., BİNİCİ B., CANBAY E., KURÇ Ö., ARICI Y.
10th U.S. National Conference on Earthquake Engineering: Frontiers of Earthquake Engineering, NCEE 2014, Alaska, Amerika Birleşik Devletleri, 21 - 25 Temmuz 2014
- XI. **Representation of damage information for post-earthquake damage assessment of reinforced concrete frames**
Anil E. B. , Akıncı B., Garrett J., KURÇ Ö.
2013 ASCE International Workshop on Computing in Civil Engineering, 23 - 25 Haziran 2013
- XII. **Characterization of laser scanners for detecting cracks for post-earthquake damage inspection**
Anil E. B. , Akıncı B., Garrett J. H. , KURÇ Ö.
30th International Symposium on Automation and Robotics in Construction and Mining, ISARC 2013, Held in Conjunction with the 23rd World Mining Congress, Montreal, Kanada, 11 - 15 Ağustos 2013, ss.313-320
- XIII. **Performance assessment of RC frames with HCT brick infill walls rehabilitated with MRM by using pseudo dynamic test protocols**
Ezzatfar P., BİNİCİ B., KURÇ Ö., CANBAY E., Sucuoğlu H., Özcebe G.
5th International Conference on Advances in Experimental Structural Engineering, AESE 2013, Taipei, Tayvan, 8 - 09 Kasım 2013
- XIV. **Multisensor data fusion for determining hallway blockages in a building during evacuation**
Güven G., Ergen E., Ozbay B., Erberik M. A. , Kurç Ö., BİRGÖNÜL M. T.
2013 ASCE International Workshop on Computing in Civil Engineering, IWCCE 2013, Los Angeles, CA, Amerika Birleşik Devletleri, 23 - 25 Haziran 2013, ss.717-724
- XV. **Post disaster sensor based condition assessment of buildings to develop evacuation strategies**

- Ergin T., Balta S., ERBERİK M. A. , KURÇ Ö., ERGEN PEHLEVAN E., BİRGÖNÜL M. T.
Fourteenth International Conference on Computing in Civil and Building Engineering, 27 - 29 Ocak 2012
- XVI. **Providing guidance for evacuation during emergency based on a real time damage and vulnerability assessment of facilities**
GÜVEN İŞİN G., ERGEN PEHLEVAN E., ERBERİK M. A. , KURÇ Ö., BİRGÖNÜL M. T.
ASCE International Conference on Computing in Civil Engineering, 17 - 20 Haziran 2012
- XVII. **Comparisons of different retrofit techniques with pseudo dynamic testing**
Ozcebe G., BİNİCİ B., KURÇ Ö., KURT E., CANBAY E.
9th US National and 10th Canadian Conference on Earthquake Engineering 2010, Including Papers from the 4th International Tsunami Symposium, Toronto, Kanada, 25 - 29 Temmuz 2010, cilt.2, ss.1371-1380
- XVIII. **Qualification of Large Testing Facilities in Earthquake Engineering Research**
KURÇ Ö., SUCUOĞLU H., Molinari M., Zanon G.
Workshop on the Role of Research Infrastructures in Performance-Based Earthquake Engineering, Ohrid, Makedonya, 2 - 03 Eylül 2010, cilt.22, ss.287-303
- XIX. **Performance comparisons of seismic assessment methods with PSD test results of a deficient RC frame**
Ozcebe G., KURT E., BİNİCİ B., KURÇ Ö., CANBAY E., Akpınar U.
2009 ATC and SEI Conference on Improving the Seismic Performance of Existing Buildings and Other Structures, San Francisco, CA, Amerika Birleşik Devletleri, 9 - 11 Aralık 2009, ss.319-330
- XX. **Optimum design of high-rise steel buildings using an evolution strategy integrated parallel algorithm**
HASANÇEBİ O., Bahçecioğlu T., KURÇ Ö., Saka M.
12th International Conference on Civil, Structural and Environmental Engineering Computing, CC 2009, Funchal, Portekiz, 1 - 04 Eylül 2009
- XXI. **The St. Regis hotel and residence (Atlanta, GA) - Analysis, design, and construction**
Watson N. A. , KURÇ Ö., Luangvilai K., Celik O., Ocon M. R.
2009 Structures Congress - Don't Mess with Structural Engineers: Expanding Our Role, Austin, TX, Amerika Birleşik Devletleri, 30 Nisan - 02 Mayıs 2009, ss.2328-2336
- XXII. **A Comparative Study on Two Different Direct Parallel Solution Strategies for Large-Scale Problems**
Bahcecioglu T., Ozmen S., KURÇ Ö.
1st International Conference on Parallel, Distributed and Grid Computing for Engineering, Pecs, Macaristan, 6 - 08 Nisan 2009, ss.568-580
- XXIII. **Parallel linear solution of large structures on heterogeneous PC clusters**
KURÇ Ö., Will K.
5th International Conference on Engineering Computational Technology, ECT 2006, Las Palmas de Gran Canaria, İspanya, 12 - 15 Eylül 2006
- XXIV. **A substructure based parallel linear solution framework for structural systems having multiple loading cases**
KURÇ Ö., Will K.
2005 ASCE International Conference on Computing in Civil Engineering, Cancun, Meksika, 12 - 15 Temmuz 2005, ss.765-775

Desteklenen Projeler

KURÇ Ö., ALBOSTAN U., Yükseköğretim Kurumları Destekli Proje, 2 Boyutlu Beton Elemanların Büzüşme Birim Yer Değiştirme Ölçümü için Görüntü Korelasyon Yönteminin Hassasiyetinin Sınanması, 2017 - Devam Ediyor

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Atıflar

Toplam Atıf Sayısı (WOS):202

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