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Aykut Erkal

H-4143-2018

EĞİTİM BİLGİLERİ

Derece	Üniversite	Bölüm	Yıl
Doktora	Boğaziçi Üniversitesi	İnşaat Mühendisliği (DR)	2001 - 2007
Yüksek Lisans	Boğaziçi Üniversitesi	İnşaat Mühendisliği (YL) (tezli)	1998 - 2001
Lisans	Yıldız Teknik Üniversitesi	İnşaat Mühendisliği Bölümü	1994 - 1998

ARAŞTIRMA ALANLARI

Yapısal Analiz, Tarihi Eserlerin Korunması, Yapı Mekaniği

AKADEMİK GÖREVLER

Görev	Üniversite	Alan	Yıl
Araştırma Görevlisi (Prof Dr Dina D'ayala Yönetiminde, "Protection of Cultural Heritage From Wind-Driven Rain and Flooding" Konulu Bilimsel Araştırma Projesinde "Research Officer" Olarak ve Proje Yönetiminde Görev Alarak Çalıştım)	University of Bath	Civil Engineering	2010 - 2012
Araştırma Görevlisi (Prof Dr Debra Laefer Yönetiminde, "minimization of Transport-Induced Vibration Impacts On Existing Buildings" Konusunda "bilimsel Araştırmacı" Olarak Çalıştım.)	University College Dublin	Civil Engineering	2008 - 2010
Araştırma Görevlisi (Prof Dr Debra Laefer Yönetiminde, "Impact of Adjacent Excavation On Existing Structures" Konusunda "bilimsel Araştırmacı" Olarak Çalıştım.)	University College Dublin	Civil Engineering	2008 - 2008
Araştırma Görevlisi (İnşaat Mühendisliği Bölümünde "Araştırma Görevlisi" Olarak Çalıştım)	Boğaziçi Üniversitesi	İnşaat Mühendisliği Bölümü	2001 - 2007

İDARİ GÖREVLER

Görev	Üniversite	Yıl
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AKADEMİK VE MESLEKİ ÜYELİKLER

Kurum	Üyelik	Yıl
TMMOB İnşaat Mühendisleri Odası	Üye	2014 - 2025

ÜNİVERSİTE DIŞI DENEYİM

Ülke	Kurum	Görev	Yıl
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KİTAPLAR

KİTAPLAR

Seismic Base Isolation and Energy Absorbing Devices

Tezcan S.S. and Erkal A.

Yüksek Öğrenim Eğitim ve Araştırma Vakfı, Yayın No: KT005/02, 2002

Bilimsel Kitap Tümü

MAKALELER

Interaction of Vibrations of Road and Rail Traffic with Buildings and Surrounding Environment

ERKAL AYKUT, Kocagöz Muhammed Şerif

Journal of Performance of Constructed Facilities, 2020

Uluslararası DOI: 10.1061/(ASCE)CF.1943-5509.0001442

Impact of Traffic-Induced Vibrations on Residential Buildings and Their Occupants in Metropolitan Cities

ERKAL AYKUT

PROMET - Traffic&Transportation, 2019

Uluslararası DOI: 10.7307/ptt.v31i3.3000

TREN GEÇİŞLERİNİN KÜÇÜK AYASOFYA CAMİ ÜZERİNDE VE YANINDAKİ SERBEST ZEMİN YÜZEYİNDE OLUŞTURDUĞU TİTREŞİMLERİN DENEYSEL OLARAK İNCELENMESİ

ERKAL AYKUT

Uludağ University Journal of The Faculty of Engineering, 2017

Ulusal DOI: 10.17482/uumfd.336345

Transmission of Traffic-induced Vibrations on and around the Minaret of Little Hagia Sophia

ERKAL AYKUT

INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE, 2017

Uluslararası DOI: 10.1080/15583058.2016.1230657

Selection, production, and testing of scaled reinforced concrete models and their components

Laefer Debra F., ERKAL AYKUT

CONSTRUCTION AND BUILDING MATERIALS, 2016

Uluslararası DOI: 10.1016/j.conbuildmat.2016.08.129

Advantages of Infinite Elements over Prespecified Boundary Conditions in Unbounded Problems

ERKAL AYKUT, Laefer Debra F., Tezcan Semih

JOURNAL OF COMPUTING IN CIVIL ENGINEERING, 2015

Uluslararası DOI: 10.1061/(ASCE)CP.1943-5487.0000391

Environmental performance assessment using monitoring and DVS testing

Aktas Yasemin Didem, D' Ayala Dina, ERKAL AYKUT, Stephenson Victoria

PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-ENGINEERING HISTORY AND HERITAGE, 2015

Uluslararası DOI: 10.1680/ehah.14.00016

Laboratory testing of non-standard original historic building materials and related implications for conservation

ERKAL AYKUT, D' Ayala Dina

QUARTERLY JOURNAL OF ENGINEERING GEOLOGY AND HYDROGEOLOGY, 2015

Uluslararası DOI: 10.1144/qjegh2013-078

Climate threats to the earth-built heritage of Scotland

Parkin Simon J., Adderley W. Paul, Kennedy Craig J., Aktas Yasemin Didem, D' Ayala Dina, ERKAL AYKUT

PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-ENGINEERING HISTORY AND HERITAGE, 2015

Uluslararası DOI: 10.1680/ehah.14.00017

Value and vulnerability assessment of a historic tomb for conservation

ERKAL AYKUT, Ozhan HO

TheScientificWorldJournal, 2014

Uluslararası DOI: 10.1155/2014/357679

MAKALELER

Evaluation of environmental impact on historical stone masonry through on-site monitoring appraisal

ERKAL AYKUT,D'Ayala Dina,Stephenson Victoria

QUARTERLY JOURNAL OF ENGINEERING GEOLOGY AND HYDROGEOLOGY, 2013

Uluslararası DOI: 10.1144/qjegh2012-060

Assessment of wind-driven rain impact, related surface erosion and surface strength reduction of historic building materials

ERKAL AYKUT,D'Ayala Dina,Sequeira Lourenco

BUILDING AND ENVIRONMENT, 2012

Uluslararası DOI: 10.1016/j.buildenv.2012.05.004

Manufacturing, assembly, and testing of scaled, historic masonry for one-gravity, pseudo-static, soil-structure experiments

Laefer Debra F.,Hong Linh Truong,ERKAL AYKUT,Long James H.,Cording Edward J.

CONSTRUCTION AND BUILDING MATERIALS, 2011

Uluslararası DOI: 10.1016/j.conbuildmat.2011.03.066

Assessment and Code Considerations for the Combined Effect of Seismic Base Isolation and Viscoelastic Dampers

ERKAL AYKUT,Tezcan Semih,Laefer Debra F.

ISRN Civil Engineering, 2011

Uluslararası DOI: 10.5402/2011/861451

Theoretical Solutions for Strength-Scaled Unreinforced Masonry for Scaled Soil-Structure Experimentation

Laefer Debra F.,ERKAL AYKUT,Cording Edward J.,Long James H.,Hong Linh Truong

JOURNAL OF TESTING AND EVALUATION, 2010

Uluslararası DOI: 10.1520/JTE102420

BİLDİRİLER

Engineering Risk Assessment and Cultural Analyses of Historic Nisanci Hamza Pasa Tomb in Istanbul

ERKAL AYKUT,ÖZHAN HAKKI ORAL

2nd Specialty International Conference on Monumental Cemeteries: Knowledge, Conservation and Restyling, 2013

Uluslararası

The Parnassus Project: archaeology and engineering collaboration for 3D data collection and analysis

D'Ayala Dina,Copeland Penny,Aktaş Yasemin Didem,Earl Graeme,ERKAL AYKUT,Miles James,Richley Elizabeth,Stephenson Victoria,Strutt Kris

41st Annual Conference of Computer Applications and Quantitative Methods in Archaeology (CAA), 2013

Uluslararası

Structural Assessment of Ancient Building Components, the Temple of Artemis at Corfu

HerdT Georg,ERKAL AYKUT,D'Ayala Dina,Jones Mark Wilson

Computer Applications and Quantitative Methods in Archaeology, 2012, 2012

Uluslararası

The Role of Environmental Monitoring in Conservation of Cultural Heritage

D'Ayala Dina,ERKAL AYKUT

WCCE-ECCE-TCCE Joint Conference 2, Seismic Protection of Cultural Heritage, 2011

Uluslararası

Investigation of the Rail-induced Vibrations on a Masonry Historical Building

ERKAL AYKUT,Laefer Debra F.,Fanning Paul,Durukal Eser,HANCILAR UFUK,Kaya Yavuz

7TH INTERNATIONAL CONFERENCE ON STRUCTURAL ANALYSIS OF HISTORIC CONSTRUCTIONS:

STRENGTHENING AND RETROFITTING, PTS 1 AND 2, 2010

Uluslararası

Factors affecting traffic-generated vibrations on structures and the masonry minaret of Little Hagia Sophia

ERKAL AYKUT,Laefer Debra F.,Fanning Paul,Durukal Eser,HANCILAR UFUK,Kaya Yavuz

BCRI Symposium 2010 (Bridge, Infrastructure and Concrete Research in Ireland), 2010

Uluslararası

BİLDİRİLER

Building Response to Traffic-induced Vibrations and Related Human Disturbance

ERKAL AYKUT,Laefer Debra F.,Fanning Paul

Transportation Research Board 89th Annual Meeting, 2010

Uluslararası

SEISMIC BASE ISOLATION AND ENERGY ABSORBING DEVICES

ERKAL AYKUT,Tezcan Semih

ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, 2007

Uluslararası

Case Studies A Rapid Technique to Determine Allowable Bearing Pressure

Tezcan Semih,Özdemir Zuhul,Keçeli Ali,ERKAL AYKUT

Seventh International Symposium on Field Measurements in Geomechanics (ASCE), 2007

Uluslararası

A Rapid Technique to Determine Allowable Bearing Pressure

Tezcan Semih,Özdemir Zuhul,Keçeli Ali,ERKAL AYKUT

International Earthquake Symposium Kocaeli 2007, 2007

Uluslararası

PROJELER

Minimization of transport-induced vibration impacts on existing buildings MOTIVOM (Yürütücü)

Diğer Resmi Kurum ve Kuruluşlar, 01.07.2008 - 01.08.2010

Uluslararası Tamamlandı

Hygrothermal Monitoring of the Timber Structures in İstanbul for Conservation (MOTIC) (Yürütücü)

Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi, 08.12.2013 - 08.12.2014

Ulusal Tamamlandı

Quantification of Thermo-mechanical Impact on Historic Masonry: Environmental Monitoring and Numerical Modelling (Yürütücü)

Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi, 02.12.2012 - 02.12.2013

Ulusal Tamamlandı

TEZ DANIŞMANLIKLARI

Architectural appraisal and current condition assessment of Ottoman minarets in İstanbul

ATYAF AKRAM AHMED AL-DOORI

2024 Yüksek Lisans

A critical assessment of health and safety regulations and trainings in the construction industry of Pakistan

KHAWAJA AHMED WAHAJ WANI

2024 Yüksek Lisans

Developing a maintenance management system for water treatment plants in Najaf Al-Ashraf (Iraq)

MOHAMMED JALAL HABEEB AL-GRAITI

2024 Yüksek Lisans

Efficient Formulations for The Prediction of Natural Periods of Minarets Through Extensive Parametric Modal Analyses

ZAHRAA HUSHAM IBRAHIM HILMI

2024 Yüksek Lisans

Assesment of the dynamic properties and response of masonry minarets in İstanbul

MOHAMAD AL- ASWAD

2023 Yüksek Lisans

TEZ DANIŞMANLIKLARI

Dynamic analysis using the superposition of modes and horizontal earthquake spectra: Comparison with static analysis in the example of a 20-storey building

BASHAR HAMMOODI KHALAF AL-JANABI

2023 Yüksek Lisans

Tarihi minarelerin dinamik özellikleri ve deprem performansları

CİHAN CALP

2018 Yüksek Lisans

Tarihi Minarelerin Dinamik Özellikleri ve Deprem Performansları

Cihan Calp

Yüksek Lisans

DERSLER

Ders Türü	Ders Kodu	Ders Adı
Lisans	CVE202	ENGINEERING MECHANICS II
Lisans	CVE102.1	ENGINEERING MECHANICS I
Lisans	CVE491	CIVIL ENGINEERING DESIGN PROJECT I
Lisans	CVE492	CIVIL ENGINEERING DESIGN PROJECT II
Lisans	CVE337	COMPUTER AIDED STRUCTURAL ANALYSIS
Lisans	CVE232.1	STRENGTH OF MATERIALS I
Lisans	CVE335	STRUCTURAL ANALYSIS
Lisans	CVE333	STRENGTH OF MATERIALS II
Lisans	CVE232	STRENGTH OF MATERIALS I
Lisans	CVE201	ENGINEERING MECHANICS I

KİŞİSEL BİLGİLER

İLETİŞİM BİLGİLERİ

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