

Lect. PhD Erol Demirkan

Personal Information

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Civil Engineering, Turkey 2014 - 2020

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Civil Engineering, Turkey 2009 - 2012

Undergraduate, İstanbul University-Cerrahpaşa, Turkey 2006 - 2009

Undergraduate, Balıkesir University, Faculty Of Engineering And Architecture, Department Of Civil Engineering, Turkey 2005 - 2006

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, INVESTIGATION OF BUCKLING ANALYSIS BASED ON NONLOCAL TIMOSHENKO RODS BY THE METHOD OF INITIAL VALUES, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 2020

Postgraduate, The Vibration of The Structures with Variable Stiffness, Istanbul Technical University, Fen Bilimleri Enstitüsü, Civil Engineering, 2012

Research Areas

Mechanics of Solid Bodies, Civil Engineering, Mechanical, Structural Mechanics, Building Dynamics, Building Stability, Structure, Buildings (industrial, commercial and public), Structural Engineering, Steel Structures, Timber Structures, Earthquake Engineering, Concrete Structures, Engineering and Technology

Academic Titles / Tasks

Lecturer, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 2021 - Continues

Research Assistant, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 2015 - 2020

Research Assistant, Sinop University, Faculty Of Engineering And Architecture, Department Of Civil Engineering, 2014 - 2015

Courses

Strength of Materials-I, Undergraduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022

Strength of Materials-II, Undergraduate, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2021 - 2022
Engineering Mechanics, Undergraduate, 2021 - 2022
Statics, Undergraduate, 2021 - 2022
Statics, Undergraduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2020 - 2021
Statics and Strength of Materials, Undergraduate, 2021 - 2022
Dynamics, Undergraduate, 2014 - 2015, 2016 - 2017

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Buckling Analysis of Nanobeams Based on Nonlocal Timoshenko Beam Model by the Method of Initial Values**
Demirkan E., Artan R.
INTERNATIONAL JOURNAL OF STRUCTURAL STABILITY AND DYNAMICS, vol.19, no.4, 2019 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **YALITIMLI CAM ÜNİTELERİNDE YAYILI YÜKLEME ALTINDA PLAKALAR ARASINDAKİ YÜK PAYLAŞIMININ SONLU ELEMENLAR YÖNTEMİ İLE ANALİZİ**
Yılmaz M., Kömürcü S., Demirkan E., Çelik M.
21. ULUSAL MEKANİK KONGRESİ, Niğde, Turkey, 2 - 06 September 2019
- II. **Geometrical Nonlinear Interaction Model of Thin Insulating Glass Units**
Yılmaz M., Kömürcü S., Demirkan E.
13th INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING, İzmir, Turkey, 12 - 14 September 2018
- III. **Numerical Large Deflection Analysis of Annular Plates**
Demirkan E., Kömürcü S., Yılmaz M.
13th INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING, İzmir, Turkey, 12 - 14 September 2018
- IV. **Vibration of structures with variable stiffness**
Demirkan E., Kadioglu N.
6th International Conference on Structural Engineering, Mechanics and Computation, SEMC 2016, Cape-Town, South Africa, 5 - 07 September 2016, no.34520, pp.99-102

Memberships / Tasks in Scientific Organizations

UCTEA - Chamber of Civil Engineers, Member, 2009 - Continues

Citations

Total Citations (WOS):2
h-index (WOS):1

Awards

Demirkan E., Bölüm ikincilik derecesi, İstanbul Üniversitesi, July 2009

Non Academic Experience

Other, Yapı Teknik Proje Müşavirlik ve Mühendislik

Public Corporation, Turkish Armed Forces

Other, self-employed

Other, self-employed

Other, self-employed

Company, Arzık Mühendislik (İnşaat), Trainee

Company, Şua İnşaat, Trainee