

Asst. Prof. SALİH DEMİRTAŞ

Personal Information

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Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Turkey 2014 - 2020

Postgraduate, Istanbul Technical University, Makina, Makina Mühendisliği, Turkey 2011 - 2014

Undergraduate, Ataturk University, Mühendislik Fakültesi, Turkey 2006 - 2010

Dissertations

Doctorate, Vibration analysis of complex structures subjected to moving loads, Dokuz Eylul University, Fen Bilimleri Enstitüsü, 2020

Postgraduate, ÇEŞİTLİ AYRIK ELEMANLAR TAŞIYAN BİR KİRİŞ(ÇUBUK) HALİNDE KARAKTERİSTİK DENKLEMİN ELDE EDİLMESİ VE İLGİLİ ÖZDEĞER HASSASİYETLERİNİN HESAPLANMASI, Istanbul Technical University, Makina, Makina Mühendisliği, 2014

Research Areas

Machine Dynamics, Mechanisms, Modeling and Simulation of Dynamic Systems, Mechanical Vibrations, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Erzincan Binali Yıldırım University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, 2020 - Continues

Research Assistant, Dokuz Eylul University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2014 - 2020

Research Assistant, Istanbul Technical University, Makina, Makina Mühendisliği, 2011 - 2014

Courses

Olasılık ve İstatistik, Undergraduate, 2021 - 2022

İleri Mekanik Titreşimler, Postgraduate, 2021 - 2022

Makine Teorisi, Undergraduate, 2021 - 2022

Olasılıksal Sistemlerin Analizi ve Uygulamalı Olasılık, Postgraduate, 2021 - 2022

Mekanik Titreşimler, Undergraduate, 2021 - 2022

Mekanik Sistemler Dinamiği, Postgraduate, 2021 - 2022

Mekanizma Tekniği, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effects of the crack location on the dynamic response of multi-storey frame subjected to the passage of a high-speed train**
DEMİRTAŞ S., ÖZTÜRK H.
Journal of the Brazilian Society of Mechanical Sciences and Engineering, vol.43, no.2, 2021 (Peer-Reviewed Journal)
- II. **Dynamic Response of Multi-bay Frames Subjected to Successive Moving Forces**
Demirtaş S., Öztürk H., Sabuncu M.
International Journal Of Structural Stability And Dynamics, vol.19, no.4, pp.1-25, 2019 (Peer-Reviewed Journal)

Articles Published in Other Journals

- I. **Effective Mode Shapes of Viaducts Subjected to High-speed Train**
DEMİRTAŞ S., ÖZTÜRK H.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.23, no.67, 2021 (Peer-Reviewed Journal)
- II. **Effective mode shapes of multi-storey frames subjected to moving train loads**
DEMİRTAŞ S., ÖZTÜRK H.
Coupled systems mechanics, vol.9, no.4, 2020 (Peer-Reviewed Journal)
- III. **Sensitivity analysis of an axially vibrating elastic rod with several lumped attachments**
DEMİRTAŞ S., GÜRGÖZE M.
International Journal of Mechanical Engineering Education, 2014 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **The dominant mode shapes of the viaduct-like structuresubjected to the passage of high-speed train**
DEMİRTAŞ S., ÖZTÜRK H.
2nd International Conference on Applied Research inEngineering Science and Technology, 18 - 20 October 2019
- II. **Asılı Kütle-Yay Sisteminin ÇerçeveYapıların Düzlem İçi Doğal Frekansları ve Titreşim Biçimleri Üzerindeki Etkileri**
ERKAN H., ÖZTÜRK H., DEMİRTAŞ S.
19. Ulusal MakinaTeorisi Sempozyumu, Turkey, 1 - 07 September 2019
- III. **Kutu Profilli Eğimli Kirişlerin Hareketli Yük Altında Dinamik Analizi**
DEMİRTAŞ S., YÜKSEL C. K. , SABUNCU M.
18. Ulusal Makina Teorisi Sempozyumu, Turkey, 5 - 07 July 2017
- IV. **Çatlaklı airfoil kesit alanına sahip türbin kanadının titreşim analizi**
CANTÜRK R., DEMİRTAŞ S., ÖZTÜRK H., SABUNCU M.
Uluslararası Katılımlı 17. Makina TeorisiSempozyumu, Turkey, 14 - 17 June 2015

Metrics

Publication: 9