

Prof. Ekrem Tüfekci

Personal Information

Fax Phone: [+90 212 245 0795](tel:+902122450795)

Email: tufekcie@itu.edu.tr

Web: <https://avesis.itu.edu.tr/tufekcie>

Address: İTÜ Makine Fakültesi, İnönü Cad. No:65, Gümüşsuyu, 34437 İstanbul

International Researcher IDs

ScholarID: lou79qMAAAAJ

ORCID: 0000-0003-3991-4005

Publons / Web Of Science ResearcherID: H-7339-2017

ScopusID: 56045995900

Yoksis Researcher ID: 116072

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 1987 - 1994

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 1984 - 1987

Undergraduate, Istanbul Technical University, Makine Fakültesi, Makine Mühendisliği Bölümü, Turkey 1980 - 1984

Foreign Languages

English

Dissertations

Doctorate, Eğri eksenli düzlemsel çubukların statik ve dinamik problemlerin analitik çözümü, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, 1994

Postgraduate, Sürekli ortamların büyük genlikli titreşimleri, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, 1987

Research Areas

Technical Sciences, Mechanical Engineering, Construction and Manufacturing, Machine Design, Machine Theory and Dynamics, Mechanical Vibrations, Mechanical, Solid Mechanics, Continuous Mechanics

Academic Titles / Tasks

Professor, İstanbul Technical University, Makina, Makina Mühendisliği, 2011 - Continues

Associate Professor, İstanbul Technical University, Makina, Makina Mühendisliği, 2006 - 2011

Assistant Professor, İstanbul Technical University, Makina, Makina Mühendisliği, 1995 - 2006

Assistant Professor, The Technion-Israel Institute of Technology, Mechanical Engineering, Mechanical Engineering, 1997

- 1998

Research Assistant, İstanbul Technical University, Makina, Makina Mühendisliği, 1985 - 1995

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Makine Fakültesi, 2009 - Continues

İstanbul Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği Bölümü, 2005 - Continues

İstanbul Teknik Üniversitesi, Makine Fakültesi, 2016 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Natural frequencies of parabolic arches with a single crack on opposite cross-section sides**
Eroglu U., Ruta G., Tufekci E.
JOURNAL OF VIBRATION AND CONTROL, vol.25, no.7, pp.1313-1325, 2019 (SCI-Expanded)
- II. **Out-of-plane free vibration of a circular arch with uniform cross-section: Exact solution**
Tufekci E., Dogruer O.
JOURNAL OF SOUND AND VIBRATION, vol.291, no.3-5, pp.525-538, 2006 (SCI-Expanded)
- III. **On "finite-element formulation of geometrically exact three-dimensional beam theories based on interpolation of strain measures [1]"**
Tufekci E.
COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, vol.193, no.36-38, pp.4067-4068, 2004 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **COUPLED AXIAL-FLEXURAL-TORSIONAL VIBRATION OF INTERNALLY DAMPED TIMOSHENKO FRAMES**
Yücel A., Arpacı A., Tufekci E.
10th ASME Biennial Conference on Engineering Systems Design and Analysis, İstanbul, Turkey, 12 - 24 July 2010, pp.271-278
- II. **In-plane vibrations of a circular arch of discontinuously varying cross-section**
Tufekci E.
19th International Model Analysis Conference, Florida, United States Of America, 5 - 08 February 2001, vol.4359, pp.1688-1694

Supported Projects

Tüfekci E., Koç H., Project Supported by Higher Education Institutions, Nanoteknolojide Eğri Eksenli Çubukların Düzlem Dışı Davranışları İçin Bir Sonlu Eleman Formülasyonu, 2018 - 2018

Tüfekci E., Project Supported by Higher Education Institutions, Nanoteknolojide Yerel Olmayan Çubuk Teorisinin Statik Ve Dinamik Problemleri, 2013 - 2016

Tüfekci E., Project Supported by Higher Education Institutions, Gemilerde Ortaya Çıkan Yerel Titreşim Problemlerinin Teorik ve Deneysel analizi, 2006 - 2010

Tüfekci E., Project Supported by Higher Education Institutions, Kesiti Kademeli Değişen Çubukların Titreşimlerinin Kesin Çözümü, 2002 - 2003

Tüfekci E., Project Supported by Higher Education Institutions, 1, 2002 - 2003

Activities in Scientific Journals

International Journal of Structural Stability and Dynamics, Committee Member, 2012 - Continues

Metrics

Publication: 98

Citation (WoS): 279

Citation (Scopus): 331

H-Index (WoS): 9

H-Index (Scopus): 11

Non Academic Experience

Ruhr-Universitaet Bochum

Technion-Israel Institute of Technology