

Asst. Prof. Selahattin ERSOY

Personal Information

Office Phone: +90 212 440 0000 Extension: 13166

Email: selahattin.ersoy@istanbul.edu.tr

Web: <https://avesis.istanbul.edu.tr/selahattin.ersoy>

Address: İ.Ü.Mimarlık Fakültesi Mimarlık Bölümü Süleymaniye Mah. Besim Ömer Paşa Cad. No:7 Fatih İSTANBUL

International Researcher IDs

ORCID: 0000-0001-9426-9841

Publons / Web Of Science ResearcherID: U-4322-2018

ScopusID: 6603365709

Yoksis Researcher ID: 296986

Education Information

Doctorate, New Jersey Institute of Technology, Mühendislik Fakültesi, İnşaat Mühendisliği / Yapı , United States Of America 1997 - 2002

Postgraduate, New Jersey Institute of Technology, Mühendislik Fakültesi, İnşaat Mühendisliği / Yapı , United States Of America 1996 - 1997

Undergraduate, Middle East Technical University, Faculty Of Engineering, İnşaat Mühendisliği, Turkey 1990 - 1994

Foreign Languages

English, C2 Mastery

Certificates, Courses and Trainings

Occupational Health and Safety, Temel İş Güvenliği Eğitimi, Organize OSGB, 2015

Other, Professional Engineering License, New Jersey State Board of Professional Engineers, 2003

Occupational Health and Safety, Temel İş Güvenliği Eğitimi, OSHA, 2002

Dissertations

Doctorate, Seismic Response of Transformer Bushing Systems and Their Rehabilitation Using Friction Pendulum System, New Jersey Institute of Technology, Mühendislik Fakültesi, İnşaat Mühendisliği / Yapı , 2001

Academic Titles / Tasks

Assistant Professor, Istanbul University, Faculty of Architecture, Department of Architecture, 2019 - Continues

Research Assistant, Kirikkale University, Faculty Of Engineering, Department Of Civil Engineering, 1994 - 1996

Academic and Administrative Experience

Vice Dean, Istanbul University, Faculty of Architecture, Department of Architecture, 2020 - Continues

Courses

Architectural Engineering, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

STEEL STRUCTURES, Undergraduate, 2022 - 2023

Architectural Engineering 2: Behavioral Analysis of Structures, Undergraduate, 2023 - 2024, 2020 - 2021

Architectural Engineering 4: Design of Structural Systems 2, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Integrated Building System Design, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Architectural Engineering 3: Design of Structural Systems 1, Undergraduate, 2021 - 2022, 2020 - 2021

Architectural Engineering 1: Statics and Strength of Materials, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Mathematics for Architects, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, August, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Yapı Üretim Süreçlerinde BIM ve VR Uygulamalarının Entegrasyonunun Değerlendirilmesi**
Bozkurt G., Ersoy S., Yaşa E.
Turkish Journal of Civil Engineering, vol.35, no.4, pp.1-28, 2024 (SCI-Expanded)
- II. **Seismic Response of Byzantine Land Walls and Restoration Approaches**
ERSOY S., Sesigur H., Oltulu E.
JOURNAL OF EARTHQUAKE ENGINEERING, vol.26, no.13, pp.6828-6846, 2022 (SCI-Expanded)
- III. **Seismic Response of Transformer-Bushing Systems**
Ersoy S., SAADEGHVAZIRI M. A.
IEEE Transactions on Power Delivery, vol.19, no.1, pp.131-137, 2004 (SCI-Expanded)
- IV. **Analytical and experimental seismic studies of transformers isolated with friction pendulum system and design aspects**
Ersoy S., Ala Saadeghvaziri M., Liu G., Mau S.
Earthquake Spectra, vol.17, no.4, pp.569-595, 2001 (SCI-Expanded)

Articles Published in Other Journals

- I. **Evaluation of seismic behavior of the cultural heritage buildings in an ancient district of Antakya after the Kahramanmaraş earthquakes (Mw 7.7 and Mw 7.6)**
Ersoy S.
Journal of Building Pathology and Rehabilitation, no.9, pp.1-11, 2024 (Scopus)
- II. **Atranos Kalesi Burç Kalıntılarının Belgelenmesi**
Ersoy S., Kaya Z. G.
ART-SANAT, no.21, pp.393-414, 2024 (ESCI)
- III. **CONSERVATION OF TRADITIONAL HOUSES AND A CASE STUDY ON SAFETY EVALUATION BY USING LIMIT ANALYSIS**
Güneş Kaya Z. S., Ersoy S., Eyüpgiller K. K.
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), vol.30, no.2, pp.270-279, 2022

(Peer-Reviewed Journal)

- IV. **Reutilization of Prestressed Soil Anchors as Post-Tensioned Tendons at a Neighboring Construction Site**
ERSOY S.
Practice Periodical on Structural Design and Construction, vol.26, no.3, 2021 (ESCI)
- V. **Combination glare screen pedestrian fence using recycled plastics**
Ala Saadeghvaziri M., MacBain K., Ersoy S.
Practice Periodical on Structural Design and Construction, vol.5, no.4, pp.150-156, 2000 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Research on The Use of Historic Building Information Modeling in Adaptation To The Reuse of Buildings That Have Lost Their Old Function: Study of Case Studies**
Özdirek A., Yaşa E., Ersoy S.
MSTAS 2022 Mimarlıkta Sayısal Tasarım XVI. Ulusal Sempozyumu, Eskişehir, Turkey, 22 - 26 June 2022, pp.463-471
- II. **Solar Energy Simulations in Historical Districts for Retrofitting and Evidence-Based Decision Making: Data Challenges for Low Carbon Cities in the EU Neighbourhood & Accession Countries**
Baypınar M. B., Yaşa E., Ersoy S., Beygo C., Beygo K.
REAL CORP 2020 SHAPING URBAN CHANGE LIVABLE CITY REGIONS FOR THE 21st CENTURY, Aachen, Germany, 15 - 18 September 2020, pp.781-788
- III. **REUSE OF IN-SITU SOIL ANCHORS AS POST-TENSIONED TENDONS IN A NEARBY CONSTRUCTION SITE**
ERSOY S.
1. International Science and Innovation Congress, Denizli, Turkey, 26 - 29 August 2019, pp.595-603
- IV. **Evaluation of seismic response of transformers and effectiveness of FPS bearings for base isolation**
Saadeghvaziri M. A., Ersoy S.
2001 Structures Congress and Exposition, Structures 2001, Washington, United States Of America, 21 - 23 May 2001, vol.109
- V. **Seismic response and rehabilitation of critical substation equipment**
ERSOY S.
13th world conference on earthquake engineering, Vancouver, Canada, 1 - 06 August 2004, pp.1-15
- VI. **Experimental seismic evaluation of base-isolated transformers**
Ersoy S., Saadeghvaziri M., Liu G.
19th International Model Analysis Conference, Florida, United States Of America, 5 - 08 February 2001, vol.4359, pp.561-566

Other Publications

- I. **Seismic Evaluation and Rehabilitation of Critical Components of Electrical Power Systems**
ERSOY S., Feizi B., Ashrafi A., Saadeghvaziri M. A.
Technical Report, pp.1-286, 2008

Supported Projects

Zülfikar H. C., Berkmen N. H., Yazıcıoğlu Halu Z., Ersoy S., Eyüpgiller K. K., Aydın A. R., Karaca Şalgamcıoğlu B., Şolt A., Taşdelen H. S., Beygo C., et al, TUBITAK Project, Accessibility in the Historical Environment, 2023 - 2023
Eyüpgiller K. K., Ersoy S., Akçay C., Baypınar M. B., TUBITAK Project, TÜBİTAK 1002-C DOĞAL AFETLER ODAKLI SAHA ÇALIŞMASI ACİL DESTEK PROGRAMI Hatay İlindeki Kültür Varlığı Yapıların 6 Şubat Depremi Sonrasındaki Yapısal

Durumlarının Tespiti, 2023 - 2023

Ersoy S., Güneş Kaya Z. S., Babacan T., Project Supported by Higher Education Institutions, Survey and Restoration Project of Tower Ruins of Bursa Adranos (Orhaneli) Castle , 2021 - 2022

Scientific Refereeing

SAKARYA UNIVERSITY JOURNAL OF SCIENCE, National Scientific Refreed Journal, December 2023

JOURNAL OF ARCHITECTURAL SCIENCES AND APPLICATIONS, National Scientific Refreed Journal, December 2023

PRACTICE PERIODICAL ON STRUCTURAL DESIGN AND CONSTRUCTION, Journal Indexed in ESCI, July 2023

KSCE JOURNAL OF CIVIL ENGINEERING, Journal Indexed in SCI-E, May 2023

PRACTICE PERIODICAL ON STRUCTURAL DESIGN AND CONSTRUCTION, Journal Indexed in ESCI, April 2023

Bayburt Üniversitesi Fen Bilimleri Dergisi , National Scientific Refreed Journal, March 2023

IEEE TRANSACTIONS ON POWER DELIVERY, SCI Journal, October 2022

KSCE JOURNAL OF CIVIL ENGINEERING, Journal Indexed in SCI-E, November 2021

ASCE practice periodical on Structural design and construction, Journal Indexed in ESCI, October 2021

IEEE TRANSACTIONS ON POWER DELIVERY, SCI Journal, August 2021

ASCE Practice periodical on Structural Design and Construction , Journal Indexed in ESCI, July 2021

IEEE TRANSACTIONS ON POWER DELIVERY, SCI Journal, July 2021

IEEE TRANSACTIONS ON POWER DELIVERY, SCI Journal, November 2020

ASCE Practice Periodical on structural Design and Construction, Journal Indexed in ESCI, October 2020

Ieee Transactions On Power Delivery, SCI Journal, January 2009

Metrics

Publication: 16

Citation (WoS): 30

Citation (Scopus): 91

H-Index (WoS): 1

H-Index (Scopus): 3

Non Academic Experience

Business Organization (private), Greenman-Pedersen Inc., Residential Engineering Services

Business Organization (private), Wagh Engineers, Pc, Design