

Lect. Rafet ŞİŞMAN

Personal Information

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Education Information

Doctorate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2015 - 2020

Postgraduate, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, İnşaat Mühendisliği Anabilimdalı, Turkey 2014 - 2015

Undergraduate, Yıldız Teknik Üniversitesi, Faculty of Construction, Civil Engineering Department, Turkey 2011 - 2014

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Comparative Study of the Interaction of Buried Structures with Ground and Superstructure using Different Approaches, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, 2020

Postgraduate, A system development for large scale soil model generation and earthquake hazard simulation, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, İnşaat Mühendisliği Anabilimdalı, 2015

Research Areas

Civil Engineering, Structure, Earthquake Engineering, Engineering and Technology

Academic Titles / Tasks

Lecturer, Yıldız Teknik Üniversitesi, Faculty of Construction, Civil Engineering Department, 2018 - Continues

Research Assistant, Yıldız Teknik Üniversitesi, Faculty of Construction, Civil Engineering Department, 2014 - 2018

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

- I. **Dynamic interaction effects of buried structures on seismic response of surface structures**
Şişman R., Ayvaz Y.
Earthquakes and Structures, vol.19, no.1, pp.1-16, 2020 (Journal Indexed in SCI Expanded)
- II. **Automatic 3D soil model generation for southern part of the European side of Istanbul based on GIS database**
ŞİŞMAN R., ŞAHİN A., HORİ M.
GEOMECHANICS AND ENGINEERING, vol.13, no.6, pp.893-906, 2017 (Journal Indexed in SCI)

III. Development of integrated earthquake simulation system for Istanbul

Sahin A., Sisman R., Askan A., Hori M.

EARTH PLANETS AND SPACE, vol.68, 2016 (Journal Indexed in SCI)

Articles Published in Other Journals

I. An Educational Tool for Observing Seismic Behavior of 3D Frame Structures

ŞİŞMAN R., ŞAHİN A.

Sigma Mühendislik ve Fen Bilimleri Dergisi, pp.119-128, 2015 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

I. Comparative Modelling of Soil – Underground Structure – Surface Structure Interactions

ŞİŞMAN R., AYVAZ Y.

International Civil Engineering and Architecture Conference 2019, Trabzon, Turkey, 17 April 2019, vol.1, pp.1756-1762

II. Spectral Amplifications of Ground Surface Responses in the Vicinity of Underground Structures

UZUN S., ŞİŞMAN R., AYVAZ Y.

International Civil Engineering and Architecture Conference 2019, Trabzon, Turkey, 17 April 2019, vol.1, pp.1631-1640

III. Variation of Rocking Response of Buried Box Culverts under Seismic Loading

UZUN S., ŞİŞMAN R., AYVAZ Y.

International Civil Engineering and Architecture Conference 2019, Trabzon, Turkey, 17 April 2019, vol.1, pp.1641-1649

IV. Effect of Mass Ratio on Racking Ratios of Underground Structures under Seismic Loading

ŞİŞMAN R., AYVAZ Y.

International Civil Engineering and Architecture Conference 2019, Trabzon, Turkey, 17 April 2019, vol.1, pp.1748-1755

V. A Parametric Study on the Amplification Effect of Buried Box Culverts on Seismic Site Response under Linear Elastic Soil Conditions

ŞİŞMAN R.

13th INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING, İzmir, Turkey, 12 September 2018, pp.159

VI. LINEAR AND NONLINEAR SITE RESPONSE ANALYSIS BY USING DISCRETE TIME FILTERS

ŞİŞMAN R., ŞAFAK E., ŞAHİN A.

THE FOURTH INTERNATIONAL CONFERENCE ON EARTHQUAKE ENGINEERING AND SEISMOLOGY, Eskişehir, Turkey, 11 October 2017, pp.128

VII. New Educational Matlab Tool to Explain Two Dimensional Finite Element Method to Graduate Students

Sisman R.

VII European Congress on Computational Methods in Applied Sciences and Engineering, 01 June 2016

VIII. An Investigation on Effect of Subgrade Reaction Modulus of Soil on Natural Period of Low Rise Buildings

Sisman R.

VII European Congress on Computational Methods in Applied Sciences and Engineering, 01 June 2016

Citations

Total Citations (WOS):9

h-index (WOS):1