Volkan Özsaraç (TR)
Volkan Yozsarach (BG)

Personal Information

Address:
(Italy)
email:
Phone:
Birth Date: 1993
Nationality:
Marital status:
Military Service:
Driving License:
Relocation:

Core Competencies

Structural Engineering
Finite Element Analysis
Earthquake Engineering
Seismic Isolation and Dissipation
Seismic Risk Assessment

Skills

Software

Microsoft Office
LaTeX
AutoCad
Tekla Structures
SeismoSoft Products
OpenSees
OpenSeespy
MIDAS FEA
LS-DYNA
SAP2000

Programming

MATLAB
Python

Languages

Turkish: Mother Tongue
English: Fluent
Bulgarian: Intermediate
Italian: Intermediate

Education

Ph.D. Candidate in Earthquake Engineering
Istituto Universitario di Studi Superiori di Pavia - Pavia, IT
October 2018 - present

M.Sc. in Earthquake Engineering
Istituto Universitario di Studi Superiori di Pavia - Pavia, IT
February 2017 to March 2018

M.Sc. in Earthquake Engineering
Middle East Technical University - Ankara, TR
CGPA: 3.88/4.00 - September 2016 to January 2017

B.S. in Civil Engineering
Middle East Technical University - Ankara, TR
CGPA: 3.61 / 4.00 - September 2011 to June 2016

Academic Work Experience

Teaching Assistant
Bridge Structures - December 2018, ROSE School, Pavia, IT
Dynamics of Structures - October 2019, ROSE School, Pavia, IT
Bridge Structures - December 2019, ROSE School, Pavia, IT

Professional Work Experience

March 2018 to October 2018 - Junior Structural Engineer
Studio Calvi Engineering and Architecture - Pavia, IT
The architectural modifications which requires demolition and reconstruction of some parts in an existing RC structure (Hotel Portosole, Sanremo, Italy) were requested by the client. Worked on seismic assessment of the structure, and development of the new structural design for the required modifications.

June 2015 to August 2015 - Design Engineer, Trainee
ATAK Engineering - Ankara, TR
Worked with the design team as a structural engineer. Developed structural finite element analysis (FEA) simulations and design optimizations for steel structures.

August 2014 to October 2014, Site Engineer, Trainee
Izmit Bay Bridge Project, OTOYOL Yatirim ve Isletme A.S. - Izmit, TR
As a part of consultant firm, worked with the quality control team on site inspection such as welding of the steel segments of piers.

June 2014 to August 2014, Site Engineer, Trainee
DAMAC Towers by Paramount, TAV Construction - Dubai, AE
As a part of contractor firm, worked with the construction team on the high-rise building project.

Certifications/Licences

Design of Dry Wall Systems Internet Based Certificate
May 2015 to Present
Python for Beginners
October 2018 to Present

Publications

Conference Proceedings

Ozsarac V., Karimzadeh S., Erberik A. and Askan A. (2017). Energy-based response of simple structural systems by using simulated ground motions. *EURODYN 2017 lnternational Conference on Structural Dynamics*, Rome, Italy.

Ozsarac V., Karimzadeh S., Erberik A. and Askan A. (2019). Comparison of energy-based responses of structural systems to real and simulated ground motion records. *7th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineerng,* Crete, Greece.

Ozsarac V., Karimzadeh S., Erberik A. and Askan A. (2019). Comparison of structural responses for a base isolated building under real and simulated records. *16th World Conference on Seismic Iso-lation, Energy Dissipation and Active Vibration Control of Structures*, St.Petersburg, Russia.

Ozsarac V., Emanuele B. and Nascimbene R. (2020). Seismic performance of floating roof steel storage tanks with consideration of energy dissipation system. *17th World Conference on Earthquake Engineering*, Sendai, Japan.

Journal Articles

S. Karimzadeh, V. Ozsarac, A. Askan, and M. A. Erberik (2019). Use of simulated ground motions for the evaluation of energy response of simple structural systems, Soil Dynamics and Earthquake Engineering, 123, 525-542.

Dissertation

M. Sc. Investigation of seismic performance of floating roofed steel storage tanks with consideration of new type of dissipation system

Awards

Erasmus Mundus, MEEES Programme Consortium Scholarship

September 2016 to February 2018