

# Volkan Özaraç (TR)

# Volkan Yozsarach (BG)

## 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*

## Personal Information

Address:

(Italy)

email:

Phone:

Birth Date:

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

## **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 International 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 record *7th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, 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 record *16th World Conference on Seismic Isolation, 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 (2009). 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*