

ÖNDER Umut

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EDUCATION

- Istanbul Technical University
Ph.D in Earthquake Engineering 2006 - 2014
Dissertation: Stochastic analysis of wind induced high-rise buildings and parametric assessment of dominant characteristics
- Istanbul Technical University
Graduate, Earthquake Engineering 2004 - 2006
Thesis: The effects of near-fault ground motion on structures and the efficiency of isolated-fluid dampers on these structures
GPA: 3.43/4.00
- Yıldız Technical University
Undergraduate, Civil Engineering 1999 - 2004
Thesis: The effects of high temperature on the mechanical characteristics of plaster produced with aluminosis cement containing silica fume
GPA: 3.05/4.00

CERTIFICATES

- Education on the rules for determining structures under risk, *T.C. Ministry of Environment and Urban Planning* 2013
Certificate Program of Information Technologies, *ODTÜ* 2009
Sap2000, *İMO Istanbul* 2007
Advanced Level Sap2000, *İMO Istanbul* 2007

SCHOLARSHIPS

- TÜBİTAK, National postdoctoral research scholarship programme 2016-2013
TÜBİTAK, International scientific funds, 8th International Conference on Structural Dynamics, EURO DYN 2011 Leuven, Belgium 2011

TEACHING EXPERIENCE

- Işık University
Part Time Lecturer; Reinforced concrete" & "Betonarme 2017-2018
Part Time Lecturer; Advanced reinforced concrete" & "İleri betonarme 2017
- Sultanbeyli Municipality
Trainer; Fundamentals of Earthquake Engineering 2015
Trainings for municipality engineers within the ISTKA Project
- Gebze Technical University
Research Assistant; Reinforced concrete, steel constructions, soil – structure relationship 2010-2014

RELATED EXPERIENCE

- Boğaziçi University, Department of Earthquake Engineering
Senior Researcher; European Union Project "Safeguarding Cultural Heritage through Technical and Organisational Resources Management (STORM)" 2017 – 2018
- Boğaziçi University, Department of Earthquake Engineering
Senior Researcher 2015 – 2017
- Gebze Technical University
Evaluation of more than 15 scaffolding systems 2010 - 2014
Evaluation of structural systems of over 10 buildings within the urban transformation project
Determination of the behavior of wind induced structures
Determination of concrete strength

Istanbul Technical University Determination of earthquake safety of structural systems of over 20 buildings	2007 - 2014
Sismik Yapı - Maya Control Engineer – Field Engineer	2005

SCIENTIFIC RESEARCH PROJECTS

EU research and development Project Horizon 2020 “Safeguarding cultural heritage through technical and organisational resource management”	2017 – 2018
Boğaziçi University Scientific Research Project Number 9003 , “Research on the application of seismic isolations of industrial atmospheric isolated elevated liquid tanks”	2015 – 2017
Istanbul Technical University Scientific Research Project Number 34453 “Stochastic analysis of wind induced high-rise buildings and parametric assessment of dominant characteristics by using ultrasonic anemometer”	2011 – 2014
MarDIM Project (Japan-Turkey) Studies of Earthquake Generation and Ground Motion in the Marmara Sea Region and Their Applications to Disaster Mitigation in Turkey	2013 – 2018

PUBLICATIONS AND PAPERS

<i>Eren Uçkan, Önder Umut, Fatma Nurten Sisman, Shaghayegh Karimzadeh, Aysegül Askan “Seismic response of base isolated liquid storage tanks to real and simulated near fault pulse type ground motions”</i> Soil Dynamics and Earthquake Engineering (Acceptance: April 2018)	2018
<i>Önder Umut, Eren Uçkan Bülent Akbaş, Ken Hatayama, Ayşegül Askan, Fatma Nurten Şişman Spyros A. Karamanos “Seismic response of base isolated liquid containing tanks to real and simulated ground motions”</i> 1st International Conference on Natural Hazards & Infrastructure, Chania, Greece	2016
<i>Eren Uçkan, Önder Umut, Gülen Uncu, Ferit Cakir, Bulent Akbas , Jay Shen. “Seismic Response Of Base Isolated Liquid Storage Tanks To Near Fault Pulse Type Ground Motions”</i> 3rd Turkish Conference on Earthquake Engineering and Seismology, Izmir/Turkey	2015
<i>Umut Ö., Hasgür Z., “Determination of the Characteristics of High Winds in Istanbul”</i> International Journal of Sciences – Basic and Applied Research, 14(2), 197-200	2014
<i>Rasit Comlek, Bülent Akbaş, Jay Shen, Narathip Sutchiewcharn, R. Wen, Önder Umut, “Inelastic Torsional Response of Steel Concentrically Braced Frames”</i> <i>Proceedings Of The Fifteenth World Conference On Earthquake Engineering Lisbon, Portugal</i>	2012
<i>Bülent Akbaş, Yasin Fahjan,, Jay SHEN, Bilge SİYAHİ, Önder UMUT, Bihter KORKMAZ. “Design considerations and seismic performance of wind turbine towers considering soil-structure interaction” 1. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı</i> ODTÜ – ANKARA	2011
<i>Önder UMUT, Bülent AKBAS, Jay SHEN, “Design Issues of Wind Turbine Towers”</i> Proceedings of the 8th International Conference on Structural Dynamics, EURO DYN, Leuven, Belgium	2011
<i>Umut Ö., Hasgür Z. “Yakın Fay Hareketli Depremlerin Yapılar Üzerindeki Etkisi ve Temel Ayırıcılı – Sıvı Sönümleyicilerin Bu Yapılardaki Etkinliği”</i> 6. Ulusal Deprem Mühendisliği Konferansı, İstanbul, Türkiye	2007

Önder Umut , Zeki Hasgür "Wind Characteristics in Istanbul and Basic Wind Speed Distribution in Turkey",
Wind and Structures (Under Revision)

LANGUAGES

English

SKILLS

Microsoft Office
SAP2000
Etabs
Matlab
Originlab-Pro
3d Basis-ME-MB
AutoCAD
Idecad
Sta4cad
Seismosignal

REFERENCES

Prof. Dr. Zeki HASGÜR
Istanbul Technical University

Prof. Dr. Eren UÇKAN
Boğaziçi University

Prof. Dr. Bülent AKBAŞ
Gebze Technical University