

Assoc. Prof. MUSTAFA TOLGA YILMAZ

Personal Information

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Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, İnşaat Mühendisliği (YI) (Tezli), Turkey 1999 - 2004

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, İnşaat Mühendisliği (YI) (Tezli), Turkey 1997 - 1999

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 1994 - 1997

Dissertations

Doctorate, Seismically induced tilting potential of shallow mats on fine soils, Middle East Technical University, Graduate School of Natural and Applied Sciences, İnşaat Mühendisliği (YI) (Tezli), 2004

Postgraduate, Mapping liquefaction susceptibility of the İzmir metropolitan area, Middle East Technical University, Graduate School of Natural and Applied Sciences, İnşaat Mühendisliği (YI) (Tezli), 1999

Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Engineering Sciences, 2013 - 2017

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Engineering Sciences, 2005 - 2013

Academic and Administrative Experience

Middle East Technical University, Faculty of Engineering, Department of Engineering Sciences, 2013 - Continues

Advising Theses

YILMAZ M. T. , An Investigation of the increase in variability of standard penetration test results for gravelly soils, Postgraduate, A.Pehlivan(Student), 2019

YILMAZ M. T. , SUCUOĞLU H., An investigation of seismic face stability of deep tunnels by using an axisymmetric finite element model, Postgraduate, H.ELIZABETH(Student), 2018

YILMAZ M. T. , AN INVESTIGATION FOR THE RESIDUAL STRENGTH OF REMOULDED CLAY SPECIMENS RECOVERED FROM ORDUKÖY LANDSLIDE IN NORTHERN TURKEY, Postgraduate, A.E.MAHMOUD(Student), 2017

ERBERİK M. A. , YILMAZ M. T. , An implementation of probabilistic seismic hazard analysis in selection of seismic coefficient for pseudo-static analysis of slope stability, Postgraduate, K.GEDİKASLAN(Student), 2017

YILMAZ M. T. , ERBERİK M. A. , An Implementation of probabilistic seismic hazard analysis in selection of seismic

coefficient for pseudostatic analysis of slope stability, Postgraduate, K.Gedikaslan(Student), 2017

YILMAZ M. T. , A semi-empirical method for estimation of maximum seismic shear strain in imperforated ground excited by vertically propagating shear waves, Doctorate, K.DEHGHANIAN(Student), 2016

YILMAZ M. T. , An approximate method to calculate the stiffness of shallow foundations subjected to eccentric loads, Doctorate, A.RUŞEN(Student), 2016

YILMAZ M. T. , BAKIR B. S. , An assessment of the relationship between the local site effects and the distribution of damage in the city of Yalova (Turkey) during 17 august 1999 İzmit earthquake., Postgraduate, C.İLHAN(Student), 2015

BAKIR B. S. , YILMAZ M. T. , An Assessment of the relationship between the local site effects and the distribution of damage in the city of Yalova (Turkey) during 17 August 1999 İzmit earthquake, Postgraduate, C.İlhan(Student), 2015

YILMAZ M. T. , Influence of seismic source and ground motion modeling on the probabilistic seismic hazard assessment of the city of Van after the 23 October 2011 Mw 7.2 earthquake, Postgraduate, M.ŞENYURT(Student), 2013

BAKIR B. S. , YILMAZ M. T. , Cyclic behavior of saturated low plastic fine soils, Doctorate, S.Sağlam(Student), 2011

YILMAZ M. T. , An assessment of the dynamic properties of Adapazari soils by cyclic direct simple shear tests, Postgraduate, K.HASSAN(Student), 2010

YILMAZ M. T. , BAKIR B. S. , The effect of group behavior on the pull-out capacity of soil nails in high plastic clay, Doctorate, E.AKIŞ(Student), 2009

YILMAZ M. T. , Site classification of Turkish national strong-motion recording sites, Postgraduate, M.Abdullah(Student), 2008

YILMAZ M. T. , BAKIR B. S. , An investigation of accuracy of inertial interaction analyses with frequency-independent impedance coefficients, Postgraduate, Ö.YILMAZOK(Student), 2007

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

- I. **Investigation of the effect of shearing rate on residual strength of high plastic clay**
Akis E., Mekael A., YILMAZ M. T.
ARABIAN JOURNAL OF GEOSCIENCES, vol.13, no.2, 2020 (Journal Indexed in SCI)
- II. **The 2014 seismic hazard model of the Middle East: overview and results**
Şeşetyan K., Danciu L., Tumsa M. B. D. , Giardini D., Erdik M. Ö. , Akkar D. S. , Gülen L., Zare M., Adamia S., Ansari A., et al.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.16, pp.3535-3566, 2018 (Journal Indexed in SCI)
- III. **A practical method for utilization of commercial cyclic testing apparatuses for computation of site response in central Adapazari**
YILMAZ M. T. , Zehtab K. H.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.63, pp.203-216, 2014 (Journal Indexed in SCI)
- IV. **Site classification of Turkish national strong-motion stations**
Sandikkaya M. A. , YILMAZ M. T. , BAKIR B. S. , Yilmaz O.
JOURNAL OF SEISMOLOGY, vol.14, no.3, pp.543-563, 2010 (Journal Indexed in SCI)
- V. **Capacity of shallow foundations on saturated cohesionless soils under combined loading**
YILMAZ M. T. , BAKIR B. S.
CANADIAN GEOTECHNICAL JOURNAL, vol.46, no.6, pp.639-649, 2009 (Journal Indexed in SCI)
- VI. **Earthquake fault rupture - Shallow foundation interaction in undrained soils: A simplified analytical approach**
Yilmaz M. T. , Paolucci R.
EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, vol.36, no.1, pp.101-118, 2007 (Journal Indexed in SCI)

Books & Book Chapters

- I. **Binalar için Deprem Mühendisliği Temel İlkeler**
CANBAY E., GÜLKAN H. P. , YAKUT A., tankut t., ÖZCEBE G., SUCUOĞLU H., AKKAR D. S. , ersoy u., BAKIR B. S. ,

Refereed Congress / Symposium Publications in Proceedings

- I. **Predefined damage patterns for limit analysis on non-engineered masonry buildings**
İÇEL C., ERBERİK M. A. , YILMAZ M. T.
16th European Conference on Earthquake Engineering, 18 - 21 June 2018
- II. **A COMPARISON BETWEEN MAXIMUM SHEAR STRAIN DISTRIBUTION IN A UNIFORMLY ELASTIC HALF LAYER AND THAT IN A LAYERED VISCOELASTIC MEDIUM DUE TO THE SAME FREE FIELD MOTION**
Dehghanian K., YILMAZ M. T.
12th International Congress on Advances in Civil Engineering, 21 - 23 September 2016
- III. **Site Specific Relationship for Strain Dependent Shear Modulus and Damping Using In Situ V S and High Strain Cyclic Test Results**
Zehtab K. H. , YILMAZ M. T.
Geo-Chicago 2016, 14 - 18 August 2016
- IV. **Geotechnical Field Observations from 23 October 2011 Van Earthquake (Mw=7.1)**
Gülerce Z., Çetin K. Ö. , Yılmaz M. T. , Huvaj Sarihan N., Ünsever Y. S. , Ünsal S., Sağlam S., Sandıkkaya M. A. , Türkoğlu M.
10th International Congress on Advances in Civil Engineering (ACE2012), Ankara, Turkey, 17 - 19 October 2012, vol.1, pp.1-9

Citations

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