

Prof. KEMAL ÖNDER ÇETİN

Personal Information

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Education Information

Doctorate, University Of California, Berkeley, İnşaat-Geoteknik-Deprem Müh., United States Of America 1997 - 2000

Postgraduate, Middle East Technical University, Graduate School of Social Sciences, İşletme (YI) (Tezli), Turkey 1994 - 2000

Postgraduate, University of California, Berkeley, College of Engineering, Civil and Environmental Engineering, United States Of America 1996 - 1997

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 1990 - 1994

Foreign Languages

English, C1 Advanced

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2009 - Continues
Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2004 - 2009

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2000 - 2004

Research Assistant, University Of California, Berkeley, Mühendislik Fakültesi, İnşaat Mühendisliği, 1997 - 2000

Academic and Administrative Experience

Middle East Technical University, Presidency Office, 2012 - 2013

Middle East Technical University, Faculty of Engineering, 2006 - 2009

Advising Theses

ÇETİN K. Ö. , Shearing and volumetric straining response of Kızılırmak sand, Postgraduate, E.Çakır(Student), 2020

ÇETİN K. Ö. , Performance based assessment of number of equivalent uniform cyclic stress scheme, Postgraduate, E.Altıncı(Student), 2019

ÇETİN K. Ö. , Consolidated undrained shearing response of hydrophobic sands, Postgraduate, H.MELİH(Student), 2018

ÇETİN K. Ö. , A comparative assessment of seismic soil liquefaction triggering relationships, Postgraduate, M.İLGAÇ(Student), 2015

ÇETİN K. Ö. , Assessing the effects of confining stress state on the mobilization of axial compressive resistance for a single aggregate pier/, Postgraduate, A.DOĞAN(Student), 2014

ÇETİN K. Ö. , Effective stress based constitutive modelling and assessment of seismic pile-soil interaction in liquefiable soils, Doctorate, S.ÜNSAL(Student), 2014

ÇETİN K. Ö. , Numerical assessment of negative skin friction effects on diaphragm walls, Postgraduate, C.GENÇOĞLU(Student), 2013

ÇETİN K. Ö. , Sıvılaşmayla ilişkili yanal yayılma yer değiştirmesinin kestirimi, Doctorate, N.HASANÇEBİ(Student), 2011

ÇETİN K. Ö. , KURÇ Ö., Parallel solution of soil-structure interaction problems on PC clusters, Postgraduate, T.BAHÇECİOĞLU(Student), 2011

ÖZKAN M. Y. , ÇETİN K. Ö. , An experimental study on the behavior of box-shaped culverts buried in sand under dynamic excitations, Doctorate, D.Ülgen(Student), 2011

ÇETİN K. Ö. , Cyclic volumetric and shear strain responses of fine-grained soils, Doctorate, H.TOLGA(Student), 2010

ÇETİN K. Ö. , GIS based seismic hazard mapping of Turkey, Doctorate, A.ANIL(Student), 2010

ÇETİN K. Ö. , An integrated seismic hazard framework for liquefaction triggering assessment of earthfill dams' foundation soils, Postgraduate, S.ÜNSAL(Student), 2009

ÇETİN K. Ö. , A comparative assessment of available methods for seismic performance evaluation of buried structures, Postgraduate, A.Güney(Student), 2009

ÇETİN K. Ö. , A comparative assessment of available methods for seismic performance evaluation of buried structures, Postgraduate, A.GÜNEY(Student), 2009

ÇETİN K. Ö. , Assessment of the ground subsidence and lining forces due to tunnel advancement, Postgraduate, Ö.KARAMANLI(Student), 2009

ÇETİN K. Ö. , Assessment of liquefaction susceptibility of fine grained soils, Postgraduate, M.PEHLİVAN(Student), 2009

ÇETİN K. Ö. , Assessment of soil structure earthquake interaction induced soil liquefaction triggering, Doctorate, B.UNUTMAZ(Student), 2008

ÇETİN K. Ö. , Probabilistic assessment of liquefaction-induced lateral ground deformations, Doctorate, W.Mohammad(Student), 2005

ÇETİN K. Ö. , Gis-based structural performance assessment of Sakarya city after 1999 Kocaeli-Turkey earthquake from geotechnical and earthquake engineering point of view, Postgraduate, Z.YILMAZ(Student), 2004

ÇETİN K. Ö. , SUCUOĞLU H., Effects of soil structure interaction and base isolated systems on seismic performance of foundation soils, Postgraduate, S.SOYÖZ(Student), 2004

ÇETİN K. Ö. , Effects of soil structure interaction and base isolated systems on seismic performance of foundation soils, Postgraduate, S.Soyöz(Student), 2004

ÇETİN K. Ö. , Cpt based compressibility assessment of soils, Postgraduate, F.Özkahriman(Student), 2004

ÇETİN K. Ö. , 3-D soil structure interaction analyses of three identical buildings in Sakarya city after 17 August 1999 Kocaeli earthquake, Postgraduate, O.ÜNAL(Student), 2003

ÇETİN K. Ö. , Çetin K., Assessment of buried pipeline performance during the 1999 Duzce Earthquake, Postgraduate, V.Yargıcı(Student), 2003

ÇETİN K. Ö. , Seismic behavior of embankment dams, Postgraduate, F.MEHMET(Student), 2003

ÇETİN K. Ö. , Estimation of grain characteristics of soils by using cone penetration test (CPT) data, Postgraduate, C.OZAN(Student), 2003

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

I. Reconnaissance of 2020 M 7.0 Samos Island (Aegean Sea) earthquake

ÇETİN K. Ö. , Mylonakis G., Sextos A., Stewart J. P.

BULLETIN OF EARTHQUAKE ENGINEERING, 2021 (Journal Indexed in SCI)

II. Geotechnical aspects of reconnaissance findings after 2020 January 24th, M6.8 Sivrice–Elazığ–

Turkey earthquake

ÇETİN K. Ö., ÇAKIR E., ILGAÇ M., CAN G., SÖYLEMEZ B., Elsaid A., Cuceoglu F., GÜLERCE Z., ASKAN GÜNDOĞAN A., Aydın S., et al.

Bulletin of Earthquake Engineering, vol.19, no.9, pp.3415-3459, 2021 (Journal Indexed in SCI)

- III. **Probability-based assessment of number of equivalent uniform stress cycles**
ÇETİN K. Ö., Altinci E., Bilge H. T.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.143, 2021 (Journal Indexed in SCI)
- IV. **Consolidated Undrained Monotonic Shearing Response of Hydrophobic Kizilirmak Sand**
Tatar H. M., ÇETİN K. Ö.
TEKNIK DERGI, vol.32, no.2, pp.10675-10694, 2021 (Journal Indexed in SCI)
- V. **Probabilistic assessments of void ratio limits and their range for cohesionless soils**
ÇETİN K. Ö., ILGAÇ M.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.142, 2021 (Journal Indexed in SCI)
- VI. **Next-generation liquefaction database**
Brandenberg S. J., Zimmaro P., Stewart J. P., Kwak D. Y., Franke K. W., Moss R. E. S., ÇETİN K. Ö., CAN G., ILGAÇ M., Stamatakos J., et al.
EARTHQUAKE SPECTRA, vol.36, no.2, pp.939-959, 2020 (Journal Indexed in SCI)
- VII. **SPT-based probabilistic and deterministic assessment of seismic soil liquefaction triggering hazard**
ÇETİN K. Ö., Seed R. B., Kayen R. E., Moss R. E. S., Bilge H. T., ILGAÇ M., Chowdhury K.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.115, pp.698-709, 2018 (Journal Indexed in SCI)
- VIII. **Examination of differences between three SPT-based seismic soil liquefaction triggering relationships**
ÇETİN K. Ö., Seed R. B., Kayen R. E., Moss R. E. S., Bilge H. T., ILGAÇ M., Chowdhury K.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.113, pp.75-86, 2018 (Journal Indexed in SCI)
- IX. **Seismic response of hunchbacked block type gravity quay walls**
Yuksel Z. T., YÜKSEL Y., ÇETİN K. Ö., ÇEVİK E.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.101, pp.225-233, 2017 (Journal Indexed in SCI)
- X. **Probabilistic Seismic-Hazard Assessment for East Anatolian Fault Zone Using Planar Fault Source Models**
GÜLERCE Z., SHAH S. T., MENEKŞE A., Ozacar A. A., Kaymakci N., ÇETİN K. Ö.
BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA, vol.107, no.5, pp.2353-2366, 2017 (Journal Indexed in SCI)
- XI. **Closure to "Shear-Wave Velocity-Based Probabilistic and Deterministic Assessment of Seismic Soil Liquefaction Potential"**
Kayen R., Moss R. E. S., Thompson E. M., Seed R. B., Cetin K. Ö., Der Kiureghian A., Tanaka Y., Tokimatsu K.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.140, no.4, 2014 (Journal Indexed in SCI)
- XII. **Shear-Wave Velocity-Based Probabilistic and Deterministic Assessment of Seismic Soil Liquefaction Potential**
Kayen R., Moss R. E. S., Thompson E. M., Seed R. B., ÇETİN K. Ö., Kiureghian A. D., Tanaka Y., Tokimatsu K.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.139, no.3, pp.407-419, 2013 (Journal Indexed in SCI)
- XIII. **Post-cyclic settlement and tilting potential of mat foundations**
UNUTMAZ B., ÇETİN K. Ö.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.43, pp.271-286, 2012 (Journal Indexed in SCI)
- XIV. **Assessment of seismic soil liquefaction triggering beneath building foundation systems**
ÇETİN K. Ö., UNUTMAZ B., Jeremic B.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.43, pp.160-173, 2012 (Journal Indexed in SCI)
- XV. **Cyclic Large Strain and Induced Pore Pressure Models for Saturated Clean Sands**
ÇETİN K. Ö., Bilge H. T.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.138, no.3, pp.309-323, 2012 (Journal Indexed in SCI)

Indexed in SCI)

- XVI. **Performance-Based Assessment of Magnitude (Duration) Scaling Factors**
ÇETİN K. Ö. , Bilge H. T.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.138, no.3, pp.324-334, 2012 (Journal Indexed in SCI)
- XVII. **Soil Uncertainty and Its Influence on Simulated $G=G(\max)$ and Damping Behavior**
Sett K., UNUTMAZ B., ÇETİN K. Ö. , Koprivica S., Jeremic B.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.137, no.3, pp.218-226, 2011 (Journal Indexed in SCI)
- XVIII. **Closure to "CPT-Based Probabilistic Soil Characterization and Classification" by K. Onder Cetin and Cem Ozan**
ÇETİN K. Ö. , Ozan C.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.136, no.3, pp.544-546, 2010 (Journal Indexed in SCI)
- XIX. **Probabilistic Model for the Assessment of Cyclically Induced Reconsolidation (Volumetric) Settlements**
ÇETİN K. Ö. , BİLGE H. T. , Wu J., Kammerer A. M. , Seed R. B.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.135, no.3, pp.387-398, 2009 (Journal Indexed in SCI)
- XX. **Probabilistic Models for Cyclic Straining of Saturated Clean Sands**
ÇETİN K. Ö. , BİLGE H. T. , Wu J., Kammerer A. M. , Seed R. B.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.135, no.3, pp.371-386, 2009 (Journal Indexed in SCI)
- XXI. **Zero-Displacement Lateral Spreads, 1999 Kocaeli, Turkey, Earthquake**
Youd T. L. , Deden D. W. , Bray J. D. , Sancio R., ÇETİN K. Ö. , Gerber T. M.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.135, no.1, pp.46-61, 2009 (Journal Indexed in SCI)
- XXII. **CPT-Based Probabilistic Soil Characterization and Classification**
ÇETİN K. Ö. , Ozan C.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.135, no.1, pp.84-107, 2009 (Journal Indexed in SCI)
- XXIII. **Probabilistic assessment of stress normalization for CPT data**
Cetin K. O. , Isik N. S.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.133, no.7, pp.887-897, 2007 (Journal Indexed in SCI)
- XXIV. **Earthquake-induced liquefaction around marine structures**
Sumer B. M. , Ansal A., Cetin K. O. , Damgaard J., Gunbak A. R. , Hansen N. O. , Sawicki A., Synolakis C. E. , Yalciner A. C. , Yuksel Y., et al.
JOURNAL OF WATERWAY PORT COASTAL AND OCEAN ENGINEERING, vol.133, no.1, pp.55-82, 2007 (Journal Indexed in SCI)
- XXV. **CPT-based probabilistic and deterministic assessment of in situ seismic soil liquefaction potential**
Moss R. E. S. , Seed R. B. , Kayen R. E. , Stewart J. P. , Kiureghian A. D. , Cetin K. O.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.132, no.8, pp.1032-1051, 2006 (Journal Indexed in SCI)
- XXVI. **Closure to "Liquefaction-induced lateral spreading at Izmit Bay during the Kocaeli (Izmit)-Turkey earthquake" by K. Onder Cetin, T. Leslie Youd, Raymond B. Seed, Jonathan D. Bray, Jonathan P. Stewart, H. Turan Durgunoglu, W. Lettis, and M. Tolga Yilmaz**
Cetin O., Youd T. L. , Seed R. B. , Bray J. D. , Stewart J. P. , Durgunoglu H. T. , Lettis W., Yilmaz M. T.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.132, no.7, pp.956-959, 2006 (Journal Indexed in SCI)
- XXVII. **Closure to "Standard penetration test-based probabilistic and deterministic assessment of seismic**

soil liquefaction potential" by K. Onder Cetin, Raymond B. Seed, Armen Der Kiureghian, Kohji Tokimatsu, Leslie F. Harder Jr., Robert E. Kayen, and Robert E. S. Moss

Cetin K., Seed R., Kiureghian A., Tokimatsu K., Harder L., Kayen R., Moss R.

JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.132, no.5, pp.667-669, 2006 (Journal Indexed in SCI)

- XXVIII. **Discussion of "Standard penetration test-based Probabilistic and deterministic assessment of seismic soil liquefaction potential" by K. Onder Cetin, Raymond B. Seed, Armen Der Kiureghian, Kohji Tokimatsu, Leslie F. Harder Jr., Robert E. Kayen, and Robert E. S. Moss**

Luebbers M.

JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.132, no.5, pp.667, 2006 (Journal Indexed in SCI)

- XXIX. **Closure to "Subsurface characterization at ground failure sites in Adapazari, Turkey" by Jonathan D. Bray, Rodolfo B. Sancio, Turan Durgunoglu, Akin Onalp, T. Leslie Youd, Jonathan P. Stewart, Raymond B. Seed, Onder K. Cetin, Ertan Bol, M. B. Baturay, C. Christensen, and T Karadayilar - July 2004, vol. 130, no. 7, pp. 673-685.**

Bray J., Sancio R., Travararou T., Durgunoglu T., Onalp A., Youd T., Stewart J., Seed R., Cetin O., Bol E., et al.

JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.132, no.4, pp.541-547, 2006 (Journal Indexed in SCI)

- XXX. **A comparative study on the actual and estimated seismic response of Kiralkizi Dam in Turkey**

Cetin K., Isik N., Batmaz S., Karabiber S.

JOURNAL OF EARTHQUAKE ENGINEERING, vol.9, no.4, pp.445-460, 2005 (Journal Indexed in SCI)

- XXXI. **Seismic response of a rubble mound breakwater in Turkey**

Yuksel Y., Cetin K., Ozguven O., Isik N., Cevik E., Sumer B.

PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-MARITIME ENGINEERING, vol.157, no.4, pp.151-161, 2004 (Journal Indexed in SCI)

- XXXII. **Liquefaction-induced lateral spreading at Izmit Bay during the 1999 Kocaeli (Izmit) – Turkey Earthquake**

Çetin K. Ö. , Youd T. L. , Seed R. B. , Bray J. D. , Durgunoglu, Durgunoglu H. T. T. , Lettis, Lettis W., Yilmaz M. T.

Journal Of Geotechnical And Geoenvironmental Engineering, vol.130, no.130, pp.1300-1313, 2004 (Journal Indexed in SCI)

- XXXIII. **Seismically induced landslide at degirmendere nose, Izmit Bay during Kocaeli (Izmit)-Turkey earthquake**

Cetin K., Isik N., Unutmaz B.

SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.24, no.3, pp.189-197, 2004 (Journal Indexed in SCI)

- XXXIV. **Nonlinear shear mass participation factor ($r(d)$) for cyclic shear stress ratio evaluation**

Cetin K., Seed R.

SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.24, no.2, pp.103-113, 2004 (Journal Indexed in SCI)

- XXXV. **Liquefaction-induced ground deformations at Hotel Sapanca during Kocaeli (Izmit), Turkey earthquake**

Cetin K., Youd T., Seed R., Bray J., Sancio R., Lettis W., Yilmaz M., Durgunoglu H.

SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.22, pp.1083-1092, 2002 (Journal Indexed in SCI)

- XXXVI. **Probabilistic models for the initiation of seismic soil liquefaction**

Cetin K., Kiureghian A., Seed R.

STRUCTURAL SAFETY, vol.24, no.1, pp.67-82, 2002 (Journal Indexed in SCI)

- XXXVII. **Performance of Improved Ground and Earth Structures**

Mitchell J. K. , Martin II J. R. , Olgun C. G. , Emrem C., Durgunoglu H. T. , Cetin K. Ö. , Karadayilar T.

Earthquake Spectra, vol.16, pp.191-225, 2000 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **A dataset on void ratio limits and their range for cohesionless soils**
ILGAÇ M., CAN G., ÇETİN K. Ö.
DATA IN BRIEF, vol.27, 2019 (Journal Indexed in ESCI)
- II. **Dataset on SPT-based seismic soil liquefaction**
ÇETİN K. Ö., Seed R. B., Kayen R. E., Moss R. E. S., Bilge H. T., ILGAÇ M., Chowdhury K.
DATA IN BRIEF, vol.20, pp.544-548, 2018 (Journal Indexed in ESCI)
- III. **The use of the SPT-based seismic soil liquefaction triggering evaluation methodology in engineering hazard assessments**
ÇETİN K. Ö., Seed R. B., Kayen R. E., Moss R. E. S., Bilge H. T., ILGAÇ M., Chowdhury K.
METHODSX, vol.5, pp.1556-1575, 2018 (Journal Indexed in ESCI)

Books & Book Chapters

- I. **Stress Scaling Factors for Seismic Soil Liquefaction Engineering Problems: A Performance-Based Approach, Perspectives on Earthquake Geotechnical Engineering**
ÇETİN K. Ö., bilge t. h.
in: Geotechnical Geological and Earthquake Engineering, Atilla Ansal, Muhamed Sakr, Editor, Springer International, pp.113-139, 2015
- II. **Yer Mühendislik Terimleri Sözlüğü**
ULUSAY R., Ekmekçi M., ÇETİN K. Ö., AKTAR M., Gerçek H.
TMMOB Maden Mühendisleri Odası, 2011
- III. **Zemin araştırmaları ve yüzey zeminlerinin karakterize edilerek belgelendirilmesi Türkiye Afet Yönetim Sisteminin İyileştirilmesi Projesi TUR 94 006**
ÇETİN K. Ö., UNUTMAZ B., GÜLKAN H. P., BAKIR B. S.
Afet İşleri Genel Müdürlüğü, 2002
- IV. **Reliability based assessment of seismic soil liquefaction initiation hazard**
ÇETİN K. Ö.
University of California, Berkeley, 2000

Refereed Congress / Symposium Publications in Proceedings

- I. **A Critical Review of Void Ratio Relationships for Granular Soils**
ILGAÇ M., ÇETİN K. Ö.
3rd Session on Modeling, Geomaterials, and Site Characterization at Geo-Congress on Vision, Insight, Outlook, Minnesota, United States Of America, 25 - 28 February 2020, pp.407-416
- II. **CPT-Based Assessment of Densification After Ground Improvement with Rigid Inclusions and Rammed Aggregate Piers® (RAP)**
ÇETİN K. Ö., Kurt Bal E., Oner L., Arda S.
3rd International Conference on Information Technology in Geo-Engineering, ICITG 2019, Guimarães, Portugal, 29 September - 02 October 2019, pp.831-840
- III. **Beton Kolon ve Darbeli Kırmataş Kolon (DKK) İmalatları Sonrası Zemindeki Sıkılaştırmanın CPT Verileri İle Değerlendirilmesi**
ÇETİN K. Ö., Kurt Bal E., Öner L., Arda S.
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- IV. **Quality control for next-generation liquefaction case histories**
Zimmaro P., Brandenburg S., Bozorgnia Y., Stewart J., Kwak D., Çetin K. Ö., Can G., İlgaç M., Franke K., Moss R., et al.
7th International Conference on Earthquake Geotechnical Engineering, ICEGE 2019, Rome, Italy, 17 - 20 January 2019, pp.5905-5912
- V. **Türkiye Bina Deprem Yönetmeliği 2018 Işığında Yüzeysel ve Derin Temellerin Tasarımına Kritik**

Bakış

ÇETİN K. Ö., Bilge H. T.

Zemin Mekaniği ve Temel Mühendisliği 17. Ulusal Kongresi, Turkey, 26 - 28 September 2018

- VI. **Performance Monitoring of Rammed Aggregate Piers: A Stockyard Case History Site**
Kurt Bal E., Öner L., ÇETİN K. Ö.
XVI Danube – European Conference on Geotechnical Engineering, 7 - 09 June 2018
- VII. **Bir Deniz Dolgusunda Çöküntü Konilerinin Oluşum Hikayesi**
ÇETİN K. Ö., SÖYLEMEZ B., ÇAKIR E.
Prof. Dr. Feyza Cincioğlu Onuruna Teoriden Uygulamaya Geoteknik Mühendisliği Sempozyumu, Turkey, 10 May 2018
- VIII. **Darbeli Kırmataş Kolonlar® (DKK) ile İyileştirilen Liman Sahasında Alan Yükleme Deneyi İle Oturma Davranışının Gözlemlenmesine İlişkin Vaka Analizi**
ÇETİN K. Ö., Kurt Bal E., Öner L.
7. Geoteknik Sempozyumu, Turkey, 23 - 24 November 2017
- IX. **Vaka Analizi: Bir Hafif Raylı Sistemi İlave Araçlara Ait Depolama Tesisinin Geoteknik Değerlendirmesi**
ÇETİN K. Ö., CAN G., ILGAÇ M.
3. Uluslararası Zemin-Yapı Etkileşimi Sempozyumu, 18 - 20 October 2017
- X. **Silt - kil karışımı zeminlerin sıvılaşma potansiyellerinin belirlenmesi**
ÇETİN K. Ö., Bilge H. T.
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, 11 - 13 October 2017
- XI. **Vaka Analizi: Bir Metro İstasyonu Viyadük Geçiş Projesinin Sismik Zemin - Kazıklı Radye Temel Etkileşimi Değerlendirmesi**
ÇETİN K. Ö., ILGAÇ M., CAN G.
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, 11 - 13 October 2017
- XII. **Sıvılaşma Tetiklenme Analizlerinde Deprem Büyüklüğü Ölçekleme Katsayılarının Performans Esası Olarak Belirlenmesi**
ÇETİN K. Ö., Bilge H. T.
Zemin Mekaniği ve Geoteknik Mühendisliği 16. Ulusal Kongresi, Turkey, 13 - 14 October 2016
- XIII. **SPT Based Seismic Soil Liquefaction Triggering Assessment**
ÇETİN K. Ö., ILGAÇ M.
XIth International Conference on Advances in Civil Engineering, 21 - 23 September 2016
- XIV. **Probabilistic Seismic Hazard Assessment for East Anatolian Fault Zone Using Planar Source Models**
GÜLERCE Z., Menekşe A., ÖZACAR A. A., ÇETİN K. Ö., Kaymakçı N.
2016 Annual Meeting of Seismological Society of America, 19 - 21 April 2016
- XV. **Comparative Assessment of Seismic Soil Liquefaction Triggering Relationships.**
ILGAÇ M., TOLGA B., ÇETİN K. Ö.
6th Geotechnical Symposium, Cukurova University, Adana, Turkey, 23 - 25 November 2015
- XVI. **Performance Based Assessment of Rammed Aggregate Piers**
ÇETİN K. Ö., Kurt E., Lale Ö.
XVIth European Conference on Soil Mechanics and Geotechnical Engineering, Edinburgh, Saint Helena, 13 - 17 September 2015
- XVII. **Effective Stress Based Large Strain Modulus Degradation Response of Fully Saturated Clean Sands**
Bilge H. T., ÇETİN K. Ö.
European Young Geotechnical Engineers Conference, Durham, Canada, 11 - 12 September 2015
- XVIII. **Geo yapıların Duraylılık Değerlendirmelerine Esas Sismik Katsayısının Seçimi**
ÇETİN K. Ö.
8. Ulusal Deprem Mühendisliği Konferansı, Prof. Dr. Mustafa O. Erdik Sempozyumu, İstanbul, Turkey, 11 - 15 May 2015
- XIX. **Case Study: Describing and Avoiding a Deep Landslide with Instrumental Methods**
ÇETİN K. Ö., DAMLA GAYE O., ILGAÇ M., FURKAN G.

15th National Congress on Soil Mechanics and Foundation Engineering, Turkey, 21 - 15 October 2014

- XX. **A New Empirical Method to Predict Liquefaction-Induced Lateral Spread**
Hasancebi N., ULUSAY R., ÇETİN K. Ö.
12th International IAEG Congress, Torino, Italy, 15 - 19 September 2014, pp.1071-1075
- XXI. **Unified assessment of stress scaling factors for liquefaction engineering problems**
ÇETİN K. Ö., Bilge H. T.
2014 Congress on Geo-Characterization and Modeling for Sustainability, Geo-Congress 2014, Atlanta, GA, United States Of America, 23 - 26 February 2014, pp.4293-4302
- XXII. **Stress Scaling Factors for Seismic Soil Liquefaction Engineering Problems: A Performance-Based Approach**
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