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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Yapı Mühendisliği (Dr), Turkey 2010 - 2017

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Yapı Mühendisliği (YI) (Tezli), Turkey 2007 - 2010

Undergraduate, Kocaeli University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 2003 - 2007

Dissertations

Doctorate, MEVCUT BETONARME YAPILARIN DEPREM PERFORMANSLARI ÜZERİNE TAM ÖLÇEKLİ BİNA DENEYLERİ VE MODELLEME ÖNERİLERİ, Istanbul Technical University, Fen Bilimleri Enstitüsü, Yapı Mühendisliği (Dr), 2017

Postgraduate, Betonarme yapıların patlamalar karşısındaki performanslarının değerlendirilmesi, Istanbul Technical University, Fen Bilimleri Enstitüsü, Yapı Mühendisliği (YI) (Tezli), 2010

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, 2010 - 2016

Advising Theses

MUSTAFA C., Earthquake performance and cost comparison of core wall and tunnel formwork RC high rise buildings, Postgraduate, M.IBRAHİM(Student), 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Seismic Retrofit of Substandard RC Columns Using Sprayed Glass Fiber-Reinforced Mortar and Basalt Textile Reinforcement**
ATEŞ A. O., Hajhosseinlou S., Nasrinpour A., Demir C., CÖMERT M., Marasli M., İlki A.
JOURNAL OF EARTHQUAKE ENGINEERING, vol.28, no.6, pp.1615-1642, 2024 (SCI-Expanded)
- II. Structural Characteristics of the Earthquake-Prone Building Stock in Istanbul and Prioritization of Existing Buildings in Terms of Seismic Risk-A Pilot Project Conducted in Istanbul**
Aydogdu H. H., Demir C., CÖMERT M., Kahraman T., İlki A.
Journal of Earthquake Engineering, vol.28, no.6, pp.1660-1684, 2024 (SCI-Expanded)
- III. Seismic Collapse Performance of a Full-Scale Concrete Building with Lightly Reinforced Columns**
TÖRE E., Demir C., CÖMERT M., İlki A.

Books & Book Chapters

- I. **Code Based Performance Prediction for a Full-Scale FRP Retrofitted Building Test**
İLKİ A., TÖRE E., DEMİR C., CÖMERT M.
in: Seismic Hazard and Risk Assessment, Radu Vacareanu, Constantion Ionescu, Editor, Springer Natural Hazards, Cham, pp.467-477, 2019
- II. **Seismic Performance of a Full-Scale FRP Retrofitted Sub-Standard RC Building**
İLKİ A., TÖRE E., DEMİR C., CÖMERT M.
in: Recent Advances in Earthquake Engineering in Europe, Kyriazis Pitilakis, Editor, SPRINGER, CHAM, pp.519-545, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **An Overview on the Structural Monitoring, Assessment and Retrofitting of Historical Structures with a Focus on 13th Century Monuments**
İlki A., Inci P., Halici O. F., Demir C., CÖMERT M., Kuran F.
International Congress on Advanced Earthquake Resistant Structures (AERS), Baku, Azerbaijan, 26 - 28 April 2023, pp.206-234
- II. **From experiments to seismic design rules for structures built with reinforced autoclaved aerated concrete panels**
halıcı o. f., dalgiç d. k., ozeren o., Ugurlu K., DEMİR C., CÖMERT M., İLKİ A.
Sixth International Conference on Autoclaved Aerated Concrete, 4 - 06 September 2018
- III. **Seismic performance of retrofitted sub-standard RC buildings**
İLKİ A., Tore E., DEMİR C., CÖMERT M.
16th European Conference on Earthquake Engineering, Thessaloniki, 14 - 17 June 2018
- IV. **Open-air cyclic testing of a large-scale stone masonry specimen**
BAL İ. E., Smyrou E., Alaboz M., Yavuzer M., DEMİR C., CÖMERT M., İLKİ A.
7th International Conference on Advances in Experimental Structural Engineering, 6 - 08 September 2017
- V. **Seismic assessment and rehabilitation of Hirka-i Serif Mosque**
DEMİR C., CÖMERT M., Inci P., Dusak S., İLKİ A.
3rd International Conference on Protection of Historical Constructions, PROHITEC 2017, 12 - 15 July 2017
- VI. **Full-scale seismic testing of a building constructed with AAC panels**
Ugurlu K., DEMİR C., CÖMERT M., Dalgic K. D., İLKİ A.
16th WCEE 2017, 16th World Conference on Earthquake Engineering, 9 - 13 January 2017
- VII. **Seismic assessment and rehabilitation of XVth century Kucuk Mustafa Pasa Bath**
DEMİR C., CÖMERT M., İLKİ A., ÇELİK P.
SEMC 2016, The 6th International Conference on Structural Engineering, Mechanics and Computation, 5 - 07 September 2016
- VIII. **Performances of FRP Confinement Models for Predicting the Behavior of Full-Scale FRP Retrofitted Columns under Simulated Seismic Actions**
GHATTE H. F., CÖMERT M., DEMİR C., İLKİ A.
FRPRCS-12 and APFIS 2015 Joint Conference, 14 - 16 December 2015
- IX. **Az Katlı Düzenli Betonarme Binalar İçin Alternatif Basitleştirilmiş DepremTasarımı**
İLKİ A., CÖMERT M., ORAKÇAL K., GÜLKAN H. P.
8. Ulusal Deprem Mühendisliği Konferansı, Turkey, 11 May 2014 - 15 May 2015
- X. **Seismic Performance of Full-scale FRP Retrofitted Substandard Rectangular RC Columns Loaded in the Weak Direction**

GHATTE H. F., CÖMERT M., DEMİR C., İLKİ A.

ACE 2015, Advances in Civil and Infrastructure Engineering, 13 - 15 April 2015

- XI. **Seismic Performance of Full-Scale FRP Confined Sub-Standard Columns Subjected to High Axial Load**
CÖMERT M., DEMİR C., GHATTE H. F., İLKİ A.
The 7th International Conference on FRP Composites in Civil Engineering (CICE 2014), 20 - 22 August 2014
- XII. **Seismic Retrofit of Sub-standard RC Columns through Basalt Mesh Reinforced Sprayed GFRC Jacketing**
CÖMERT M., HAJIHOSEINLOU S., NASRINPOUR A., ATEŞ A. O., DEMİR C., MARASLI M., İLKİ A.
FRC 2014 Joint ACI-fib International Workshop, 24 - 25 July 2014
- XIII. **Retrofit of RC Joints with FRP Composites**
İLKİ A., DEMİR C., CÖMERT M.
APFIS 2013, the Fourth Asia-Pacific Conference on FRP Structures, 11 - 13 December 2013
- XIV. **Cyclic Testing of a Steel-Core Buckling Restrained Brace Under Near-Fault Displacement Reversals**
AVCI KARATAŞ Ç., ÇETİNKAYA S., DEMİR C., CÖMERT M., GÜNEŞ B., ÇELİK O. C.
SMAR 2013 Second Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, 9 - 11 September 2013
- XV. **Effects of CFRP Confinement of Columns on Structural Performance Against Blast**
CÖMERT M., İLKİ A.
Performance-Based and Life-Cycle Structural Engineering, 5 - 07 December 2012
- XVI. **Performance Based Seismic Assessment Method for Existing Frames**
İLKİ A., CÖMERT M., DEMİR C., ORAKÇAL K., TAPAN M., KUMBASAR N.
Performance-based and Life-cycle Structural Engineering, 5 - 07 December 2012
- XVII. **FRP Retrofit of a Full-scale 3D RC Frame**
COŞGUN C., CÖMERT M., DEMİR C., İLKİ A.
6th International Conference on FRP Composites in Civil Engineering, 13 - 15 June 2012
- XVIII. **Seismic Retrofit of a Typical Reinforced Concrete Building through FRP Jacketing of Extended Rectangular Columns**
CÖMERT M., İLKİ A.
6th International Conference on Advanced Composite Materials in Bridges and Structures, 22 - 25 May 2012
- XIX. **Lessons Learnt From 2011 Van Earthquakes in Turkey in Terms of Structural Engineering**
İLKİ A., ORAKÇAL K., TAPAN M., DEMİR C., CÖMERT M., TUNCEL Y., KUSUNOKI K., TASAI A.
9th International Conference on Urban Earthquake Engineering, 6 - 08 March 2012
- XX. **FRP retrofit of a full-scale 3D RC frame**
Cosgun C., Comert M., Demir C., İlki A.
6th International Conference on FRP Composites in Civil Engineering, CICE 2012, Rome, Italy, 13 - 15 June 2012
- XXI. **Yapıların Karbon Lifli Polimer Kompozitler ile Güçlendirilmesi**
İLKİ A., DEMİR C., CÖMERT M.
7. Ulusal Deprem Mühendisliği Konferansı, Turkey, 30 May - 03 June 2011
- XXII. **Increasing Deformability of FRP Confined Low and Medium Strength Concrete through a Cement Based Mortar Layer**
CÖMERT M., GÖKSU Ç., COŞGUN C., ÖZÜBEK M., İLKİ A.
9th International Congress on Advances in Civil Engineering, 27 - 30 September 2010
- XXIII. **Towards a tailored stress-strain behavior for FRP confined low strength concrete**
CÖMERT M., Akkaya Ç., İlki A.
3rd International fib Congress and Exhibition, Incorporating the PCI Annual Convention and Bridge Conference 2010, Washington, United States Of America, 29 May - 02 June 2010
- XXIV. **Increasing seismic capacity of existing reinforced concrete buildings by the use of FRP and steel fuse elements**
TÜRK A. M., CÖMERT M., Cosgun C., Kesti M. G.
3rd International fib Congress and Exhibition, Incorporating the PCI Annual Convention and Bridge Conference 2010, Washington, United States Of America, 29 May - 02 June 2010

XXV. Blast Resistance Assessment of a Typical Public Building in Turkey

CÖMERT M., İLKİ A.

International Conference UACEG2009: Science Practice, 29 - 31 October 2009

XXVI. External Confinement of Concrete with Post-tensioned GFRP Sheets

CÖMERT M., GÖKSU Ç., İLKİ A.

International Symposium on FRP Reinforcement for Concrete Structures, 13 - 15 July 2009

Metrics

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