

Prof. AHMET YAKUT

Personal Information

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Education Information

Doctorate, The University Of Texas At Austin, İnşaat Mühendisliği Bölümü, United States Of America 1996 - 2000

Post Graduate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 1989 - 1992

Under Graduate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 1984 - 1989

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Performance of Elastomeric Bridge Bearings at Low Temperatures, The University Of Texas At Austin, İnşaat Mühendisliği Bölümü, 2000

Post Graduate, Influence of structural nonuniformities on earthquake response, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 1992

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2010 - Continues
Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2005 - 2010

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2002 - 2005

Research Assistant, The University Of Texas At Austin, Mühendislik Fakültesi, İnşaat Mühendisliği, 1996 - 2000

Research Assistant, Northeastern University, Mühendislik Fakültesi, İnşaat Mühendisliği, 1995 - 1996

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 1989 - 1995

Advising Theses

YAKUT A., Effect of soft story on seismic performance of reinforced concrete buildings, Doctorate, V.HATUN(Student), 2017

YAKUT A., AYB. Ö. , Investigation of seismic isolation efficiency for building structures, Post Graduate, S.ÖZDEMİR(Student), 2017

YAKUT A., Effects of ground motion selection on seismic response of buildings, Post Graduate, Ö.KARAKÜTÜK(Student), 2015

YAKUT A., Generalized fragility curves for earthquake insurance premiums, Post Graduate, M.AYSUN(Student), 2015

YAKUT A., Seismic performance evaluation of reinforced concrete frames infilled with autoclave aerated concrete masonry, Post Graduate, U.AHMED(Student), 2013

YAKUT A., Assessment of nonlinear static (pushover) analysis procedures using field experience, Doctorate, A.DİLSİZ(Student), 2013

YAKUT A., DİCLELİ M., Dynamic simulation of shaking table tests for a shear-wall building having torsion, Post Graduate, S.NAZİRZADEH(Student), 2012

YAKUT A., Detailed evaluation of an existing reinforced concrete building damaged under its own weight, Post Graduate, A.BAYRAKTAR(Student), 2011

YAKUT A., Fragility of a shear wall building with torsional irregularity, Post Graduate, V.HATUN(Student), 2011

YAKUT A., AKYÜZ U., Comparative study of commercial structural analysis programs in view of seismic assessment procedures in Turkish Earthquake Code 2007, Post Graduate, S.YILDIRIM(Student), 2011

YAKUT A., Buildings under recurring near-field earthquakes, Doctorate, B.BAYHAN(Student), 2010

YAKUT A., Capacity related properties and assessment of school buildings in Turkey, Post Graduate, İ.KALEM(Student), 2010

YAKUT A., Evaluation of performance based displacement limits for reinforced concrete columns under flexure, Post Graduate, T.SOLMAZ(Student), 2010

YAKUT A., Evaluation of shear wall indexes for reinforced concrete buildings, Post Graduate, O.SOYDAŞ(Student), 2009

YAKUT A., CANER A., Fragility based seismic vulnerability assessment of ordinary highway bridges in Turkey, Doctorate, Ö.AVŞAR(Student), 2009

YAKUT A., Comparison of seismic assessment procedures in the current Turkish Code, Post Graduate, A.OKUR(Student), 2007

YAKUT A., Correlation of deformation demands with ground motion intensity, Post Graduate, H.YILMAZ(Student), 2007

YAKUT A., Influence of idealized pushover curves on seismic response, Post Graduate, K.KADAŞ(Student), 2006

YAKUT A., Determination of the change in building capacity during earthquakes, Post Graduate, D.ÇEVİK(Student), 2006

YAKUT A., TÜREER A., Seismic vulnerability assessment using artificial neural networks, Post Graduate, A.GÜLER(Student), 2005

YAKUT A., Cost-benefit analysis for various rehabilitation strategies, Post Graduate, S.ÇETİNCELİ(Student), 2005

YAKUT A., Evaluation of pushover analysis procedures for frame structures, Post Graduate, S.OĞUZ(Student), 2005

YAKUT A., AKYÜZ U., Effects of masonry infill walls on the seismic performance of buildings, Post Graduate, M.SELİM(Student), 2005

YAKUT A., Component based seismic vulnerability assessment procedure for RC buildings, Doctorate, E.ERDURAN(Student), 2005

YAKUT A., Development of a software for seismic damage estimation: Case studies, Post Graduate, S.KÜÇÜKÇOBAN(Student), 2004

YAKUT A., A methodology for determination of performance based design parameters, Post Graduate, U.YAZGAN(Student), 2003

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

- **Derivation of analytical fragility curves using SDOF models of masonry structures in Erzincan (Turkey)**
Karimzadeh S., Kadas K., ASKAN GÜNDOĞAN A., ERBERİK M. A. , YAKUT A.
EARTHQUAKES AND STRUCTURES, vol.18, pp.249-261, 2020 (Journal Indexed in SCI)
- **Seismic behavior and improvement of autoclaved aerated concrete infill walls**
BİNİCİ B., CANBAY E., ALDEMİR A., Demirel I. O. , Uzgan U., Eryurtlu Z., Bulbul K., YAKUT A.
ENGINEERING STRUCTURES, vol.193, pp.68-81, 2019 (Journal Indexed in SCI)
- **Analysis of a multi-story reinforced concrete residential building damaged under its self-weight**
Korkmaz H. H. , YAKUT A., Bayraktar A.
ENGINEERING FAILURE ANALYSIS, vol.98, pp.38-48, 2019 (Journal Indexed in SCI)
- **In Situ Lateral Load Testing of a Two-Story Solid Clay Brick Masonry Building**
ALDEMİR A., BİNİCİ B., CANBAY E., YAKUT A.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.32, 2018 (Journal Indexed in SCI)
- **Evolution of seismic hazard maps in Turkey**

AKKAR D. S. , EROĞLU AZAK T., Can T., Ceken U., Tumsa M. B. D. , Duman T. Y. , ERDİK M. Ö. , ERGİNTAV S., Kadirioğlu F. T. , Kalafat D., et al.

BULLETIN OF EARTHQUAKE ENGINEERING, vol.16, pp.3197-3228, 2018 (Journal Indexed in SCI)

- **Ground-motion characterization for the probabilistic seismic hazard assessment in Turkey**
AKKAR D. S. , Kale O., YAKUT A., Ceken U.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.16, pp.3439-3463, 2018 (Journal Indexed in SCI)
- **Seismic damage assessment based on regional synthetic ground motion dataset: a case study for Erzincan, Turkey**
Karimzadeh S., Askan A., Erberik M. A. , Yakut A.
NATURAL HAZARDS, vol.92, pp.1371-1397, 2018 (Journal Indexed in SCI)
- **Seismic Performance Assessment of Masonry Buildings Using In Situ Material Properties**
Cobanoğlu B., ALDEMİR A., Demirel I. O. , BİNİCİ B., CANBAYE., YAKUT A.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.31, 2017 (Journal Indexed in SCI)
- **Lateral load testing of an existing two story masonry building up to near collapse**
Aldemir A., BİNİCİ B., CANBAYE., YAKUT A.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.15, pp.3365-3383, 2017 (Journal Indexed in SCI)
- **Assessment of alternative simulation techniques in nonlinear time history analyses of multi-story frame buildings: A case study**
Karimzadeh S., Askan A., Yakut A., Ameri G.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.98, pp.38-53, 2017 (Journal Indexed in SCI)
- **Provisions for the Seismic Risk Evaluation of Existing Reinforced Concrete Buildings in Turkey under the Urban Renewal Law**
Binici B., Yakut A., Ozcebe G., Erenler A.
EARTHQUAKE SPECTRA, vol.31, pp.1353-1370, 2015 (Journal Indexed in SCI)
- **Vehicle effects on seismic response of a simple-span bridge during shake tests**
Shaban N., Caner A., Yakut A., Askan A., Naghshineh A. K. , Domanic A., Can G.
EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, vol.44, pp.889-905, 2015 (Journal Indexed in SCI)
- **Seismic Risk Prioritization and Retrofit Cost Evaluation of Code-Deficient RC Public Buildings in Turkey**
SUCUOĞLU H., YAKUT A., Ozmen A., Kubin J.
EARTHQUAKE SPECTRA, vol.31, pp.601-614, 2015 (Journal Indexed in SCI)
- **Seismic performance of gravity-load designed concrete frames infilled with low-strength masonry**
Siddiqui U. A. , SUCUOĞLU H., YAKUT A.
EARTHQUAKES AND STRUCTURES, vol.8, pp.19-35, 2015 (Journal Indexed in SCI)
- **Effective flexural rigidities for ordinary reinforced concrete columns and beams**
AVŞAR Ö., BAYHAN B., YAKUT A.
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, vol.23, pp.463-482, 2014 (Journal Indexed in SCI)
- **Performance limits for structural walls: An analytical perspective**
Kazaz I., GÜLKAN H. P. , YAKUT A.
ENGINEERING STRUCTURES, vol.43, pp.105-119, 2012 (Journal Indexed in SCI)
- **Seismic risk prioritization of residential buildings in Istanbul**
YAKUT A., SUCUOĞLU H., Akkar S.
EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, vol.41, pp.1533-1547, 2012 (Journal Indexed in SCI)
- **Deformation Limits for Structural Walls with Confined Boundaries**
Kazaz I., Gulkan P., YAKUT A.
EARTHQUAKE SPECTRA, vol.28, pp.1019-1046, 2012 (Journal Indexed in SCI)
- **Seismic vulnerability assessment criteria for RC ordinary highway bridges in Turkey**
AVŞAR Ö., YAKUT A.
STRUCTURAL ENGINEERING AND MECHANICS, vol.43, pp.127-145, 2012 (Journal Indexed in SCI)
- **Analytical Fragility Curves for Ordinary Highway Bridges in Turkey**
AVŞAR Ö., YAKUT A., CANER A.
EARTHQUAKE SPECTRA, vol.27, pp.971-996, 2011 (Journal Indexed in SCI)
- **Spectral Ground Motion Intensity Based on Capacity and Period Elongation**

Kadas K., YAKUT A., Kazaz I.

JOURNAL OF STRUCTURAL ENGINEERING-ASCE, vol.137, pp.401-409, 2011 (Journal Indexed in SCI)

- **Correlation of Deformation Demands with Ground Motion Intensity**

YAKUT A., Yilmaz H.

JOURNAL OF STRUCTURAL ENGINEERING-ASCE, vol.134, pp.1818-1828, 2008 (Journal Indexed in SCI)

- **Service life assessment of existing highway bridges with no planned regular inspections**

Caner A., Yanmaz A. M., Yakut A., Avşar O., Yilmaz T.

Journal of Performance of Constructed Facilities, vol.22, pp.108-114, 2008 (Journal Indexed in SCI)

- **Capacity related properties of RC frame buildings in Turkey**

YAKUT A.

JOURNAL OF EARTHQUAKE ENGINEERING, vol.12, pp.265-272, 2008 (Journal Indexed in SCI)

- **Component damage functions for reinforced concrete frame structures**

Erduran E., Yakut A.

ENGINEERING STRUCTURES, vol.29, pp.2242-2253, 2007 (Journal Indexed in SCI)

- **A screening procedure for seismic risk assessment in urban building stocks**

Sucuoglu H., Yazgan U., Yakut A.

EARTHQUAKE SPECTRA, vol.23, pp.441-458, 2007 (Journal Indexed in SCI)

- **Vulnerability assessment of reinforced concrete moment resisting frame buildings**

Erduran E., Yakut A.

JOURNAL OF STRUCTURAL ENGINEERING-ASCE, vol.133, pp.576-586, 2007 (Journal Indexed in SCI)

- **Seismic vulnerability assessment using regional empirical data**

Yakut A., Ozcebe G., Yucemen M. S.

EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, vol.35, pp.1187-1202, 2006 (Journal Indexed in SCI)

- **Seismic response assessment of a stiff structure**

Kazaz I., Yakut A., Gulkan P.

EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, vol.35, pp.737-759, 2006 (Journal Indexed in SCI)

- **Numerical simulation of dynamic shear wall tests: A benchmark study**

Kazaz I., Yakut A., Gulkan P.

COMPUTERS & STRUCTURES, vol.84, pp.549-562, 2006 (Journal Indexed in SCI)

- **Reply to: Discussion of "Re-examination of damage distribution in Adapazari: Geotechnical considerations"**

Bakir B., Yilmaz M., Yakut A., Gulkan P.

ENGINEERING STRUCTURES, vol.28, pp.468, 2006 (Journal Indexed in SCI)

- **Displacement-based fragility functions for low- and mid-rise ordinary concrete buildings**

Akkar S., Sucuoglu H., Yakut A.

EARTHQUAKE SPECTRA, vol.21, pp.901-927, 2005 (Journal Indexed in SCI)

- **Re-examination of damage distribution in Adapazari: Geotechnical considerations**

Bakir B., Yilmaz M., Yakut A., Gulkan P.

ENGINEERING STRUCTURES, vol.27, pp.1002-1013, 2005 (Journal Indexed in SCI)

- **Re-examination of damage distribution in Adapazari: Structural considerations**

Yakut A., Gulkan P., Bakir B., Yilmaz M.

ENGINEERING STRUCTURES, vol.27, pp.990-1001, 2005 (Journal Indexed in SCI)

- **Preliminary seismic performance assessment procedure for existing RC buildings**

Yakut A.

ENGINEERING STRUCTURES, vol.26, pp.1447-1461, 2004 (Journal Indexed in SCI)

- **Drift based damage functions for reinforced concrete columns**

Erduran E., Yakut A.

COMPUTERS & STRUCTURES, vol.82, pp.121-130, 2004 (Journal Indexed in SCI)

- **Parameters influencing performance of elastomeric bearings at low temperatures**

Yakut A., Yura J.

JOURNAL OF STRUCTURAL ENGINEERING-ASCE, vol.128, pp.986-994, 2002 (Journal Indexed in SCI)

- **Evaluation of elastomeric bearing performance at low temperatures**

Articles Published in Other Journals

- **DOLGU DUVARLARIN DÜZLEM DIŐI YÖNDE HAVA YASTIĐI İLE DENEYİ**
DEMİREL İ. O. , YAKUT A., BİNİCİ B.
Anadolu Üniversitesi Bilim Ve Teknoloji Dergisi - B Teorik Bilimler, vol.6, pp.133-140, 2018 (Other Refereed National Journals)
- **Evaluation of low-temperature test methods for elastomeric bridge bearings**
Yakut A., Yura J. A.
Journal of Bridge Engineering, vol.7, pp.50-56, 2002 (Journal Indexed in ESCI)

Book & Book Chapters

- **SEISMIC PERFORMANCE ASSESSMENT AND REHABILITATION OF EXISTING RC BUILDINGS IN TURKEY**
YAKUT A.
in: EUROCODES: BACKGROUND & APPLICATIONS Elaboration of maps for climatic and seismic actions for structural design with the Eurocodes, V. Rajčić, R. Apostolska, M.L. Sousa, S. Dimova, A. Pinto, Editor, JRC European Union, ISPRA, pp.159-170, 2016
- **Experimental and Numerical Investigation of Torsionally Irregular RC Shear Wall Buildings with Rutherford Breakers**
YAKUT A., Le Maout A., Richard B., Atanasiu G. M. , Ragueneau F., Scheer S., Diler S.
in: Experimental research in Earthquake Engineering, Fabio Taucer, Roberta Apostolska, Editor, Springer, pp.307-326, 2015
- **Rapid Seismic Assessment Procedures for the Turkish Building Stock**
YAKUT A., ERBERİK M. A. , İLKİ A., SUCUOĐLU H., AKKAR D. S.
in: Seismic Evaluation and Rehabilitation of Structures, Alper İlki, Michael N. Fardis, Editor, Springer, pp.15-35, 2014
- **Binalar için Deprem MühendisliĐi Temel İlkeler**
CANBAYE E., GÜLKAN H. P. , YAKUT A., tankut t., ÖZCEBE G., SUCUOĐLU H., AKKAR D. S. , ersoy u., BAKIR B. S. , YILMAZ M. T. , et al.
EVRİM, 2008

Refereed Congress / Symposium Publications in Proceedings

- **COMPARISON OF 2007 AND 2019 SEISMIC HAZARD MAPS BASED ON SPECTRUM INTENSITIES AND CORRESPONDING ENGINEERING DEMANDS – A CASE STUDY WITH RC SCHOOL BUILDINGS IN ISTANBUL**
kadaş k., SOYSAL B. F. , AKANSEL V. H. , mazılgüney l., YAKUT A.
5. International Conference on Earthquake Engineering and Seismology, 8 - 11 October 2019
- **Seismic Risk Assessment of School Buildings on the Basis of Recent Turkish Seismic Hazard Map**
mazılgüney l., AKANSEL V. H. , SOYSAL B. F. , kadaş k., YAKUT A.
VI. International Earthquake Symposium, 25 - 27 September 2019
- **COMPARISONS OF ALTERNATIVE SEISMIC INTENSITY PARAMETERS FOR SELECTED SETS OF REAL AND SIMULATED GROUND MOTION RECORDS**
Karım Zadeh Naghshineh S., Kadas K., Askan GündoĐan A., Yakut A.
36th General Assembly of the European Seismological Commission (ESC 2018), Valletta, Malta, 2 - 07 September 2018, pp.650
- **Seismic response of autoclaved aerated concrete masonry infill walls under in-plane and out-of-plane**

seismic demands

BİNİCİ B., CANBAY E., DEMİREL İ. O. , ALDEMİR A., Uzgan U., ERYURTLU Z., YAKUT A.

6th International Conference on Autoclaved Aerated Concrete, Potsdam, Germany, 3 - 06 September 2018, vol.2, pp.241-245

- **Strengthening Infilled RC Frames Against Biaxial Seismic Action**

DEMİREL İ. O. , YAKUT A., BİNİCİ B.

12th fib International PhD Symposium in Civil Engineering, 29-31th August 2018, Prague, Czech Republic., Prag, Czech Republic, 29 - 31 August 2018

- **BASE ISOLATION APPLICATIONS IN TURKEY**

AKYÜZ U., YAKUT A.

Elevent U.S. National Conference on Earthquake Engineering, Los-Angeles, Chile, 25 - 29 June 2018

- **FRAGILITY CURVES FOR RC BUILDINGS OF DUZCE (TURKEY) USING SIMULATED RECORDS**

Kadas K., Karimzadeh S., Askan A., Erberik M. A. , Yakut A.

11th U.S. National Conference on Earthquake Engineering, California, United States Of America, 25 - 29 June 2018

- **THE COMPARISON OF DIFFERENT FRAGILITY CURVE GENERATION TECHNIQUES TO ESTIMATE OBSERVED DAMAGE DISTRIBUTIONS**

Karim Zadeh Naghshineh S., Kadas K., Askan A., Erberik M. A. , Yakut A.

16th European conference on earthquake engineering, Thessaloniki, Greece, 18 - 21 June 2018

- **PERFORMANCE BASED LIMIT STATES FOR INFILL WALLS IN RC FRAMES**

Demirel İ. O. , Yakut A., Binici B., Canbay E.

16th european conference on earthquake engineering, Thessaloniki, Greece, 18 - 21 June 2018

- **FROM SEISMIC SOURCES TO ENGINEERING DEMANDPARAMETERS: AN INTERDISCIPLINARY FRAMEWORK FORESTIMATION OF SEISMIC LOSSES IN URBAN REGIONS**

Askan A., Asten M., Erberik M. A. , Erkmen C., Karimzadeh S., Kılıç N., Şişman N., Yakut A.

Best Practices in Physics-based Fault Rupture Models for Seismic Hazard Assessment of Nuclear Installations: issues and challenges towards full Seismic Risk Analysis, Aix-En-Provence, France, 14 May - 16 August 2018

- **Numerical Modeling of Infilled Reinforced Concrete Frame and Its Verification**

AKANSEL V. H. , YAKUT A.

1st International Symposium on Innovative Approaches in Scientific Studies, 11 - 13 April 2018

- **Behaviour of AAC Infilled RC Frames under In Plane and Out of Plane Seismic Demands**

BİNİCİ B., DEMİREL İ. O. , ALDEMİR A., CANBAY E., YAKUT A.

Australian Earthquake Engineering Society 2017 Conference, 24 - 26 November 2017

- **EFFECTS OF OPENINGS ON COLLAPSE RISK OF INFILLED RC BUILDINGS**

AKANSEL V. H. , YAKUT A., GÜLKAN H. P.

4. Uluslararası Deprem Mühendisliği Konferansı, 11 November - 13 January 2017

- **FRAGILITY CURVES FOR REINFORCED CONCRETE SCHOOL BUILDINGS IN TURKEY DUE TO REPEATED EARTHQUAKES**

Mazlıgüney L., kadaş k., AKANSEL V. H. , YAKUT A.

4.Uluslararası Deprem Mühendisliği Konferansı, 11 - 13 November 2017

- **AN INVESTIGATION ON THE USE OF SIMULATED RECORDS IN DERIVATION OF FRAGILITY CURVES FOR RC BUILDINGS IN**

kadas k., karimzadeh s., ASKAN GÜNDOĞAN A., ERBERİK M. A. , YAKUT A.

4th International Conference on Earthquake Engineering and Engineering Seismology, Eskişehir, Turkey, 11 - 13 October 2017

- **DOLGU DUVARLARIN DÜZLEM DIŞI YÖNDE HAVA YASTIĞI İLE TESTİ**

DEMİREL İ. O. , YAKUT A., BİNİCİ B.

4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, 11 October - 13 November 2017

- **A study on fragility analyses of masonry buildings in Erzincan (Turkey) utilizing simulated and real ground motion records**

Karimzadeh S., Kadas K., ASKAN GÜNDOĞAN A., ERBERİK M. A. , YAKUT A.

10th International Conference on Structural Dynamics (EURODYN), Rome, Italy, 10 - 13 September 2017, vol.199, pp.188-193

- **Infilled Frame Response Under Seismic Excitation**
 DEMİREL İ. O. , YAKUT A., metin h.
 17th international scientific conference VSU 2017, sofya, Bulgaria, 8 - 09 June 2017
- **A Comparative Study on Seismic Isolation Applications in Turkey**
 AKYÜZ U., CANER A., YAKUT A.
 15th World Conference on Seismic Isolation, Energy Dissipation and Active Vibration Control of Structures, Wellington, New Zealand, 27 - 29 April 2017
- **Testing of an Existing Two Story Masonry Building Under Lateral Loads**
 ALDEMİR A., BİNİCİ B., CANBAYE., YAKUT A.
 16th World Conference on Earthquake Engineering, 9 - 13 January 2017
- **Seismic Behaviour of RC Frames Infilled with Different Techniques**
 DEMİREL İ. O. , YAKUT A., BİNİCİ B.
 16 world conference on earthquake engineering, Santiago, Chile, 9 - 13 January 2017
- **EFFECT OF INFILL WALLS ON STRUCTURAL BEHAVIOR OF RC BUILDINGS WITH VERTICAL IRREGULARITIES**
 AKANSEL V. H. , YAKUT A., Moehle J.
 16. World Conference on Earthquake Engineering, 9 - 13 January 2017
- **AN INTERDISCIPLINARY APPROACH FOR REGIONAL SEISMIC DAMAGE ESTIMATION**
 ASKAN GÜNDOĞAN A., ERBERİK M. A. , karimzadeh s., YAKUT A., şişman F. n. , Kılıç N., Asten M.
 16th World Conference on Earthquake Engineering, Santiago, Chile, 9 - 13 January 2017
- **SEISMIC DAMAGE ASSESSMENT IN ERZINCAN (TURKEY) UTILIZING SYNTHETIC GROUND MOTION RECORDS**
 karimzadeh s., ASKAN GÜNDOĞAN A., ERBERİK M. A. , YAKUT A.
 16th world conference on earthquake engineering, Santiago, Chile, 9 - 13 January 2017
- **Influence of Infill Wall System on Seismic Behavior of RC Frames**
 DEMİREL İ. O. , YAKUT A., BİNİCİ B.
 12th International Congress on Advances in Civil Engineering, 21 - 23 September 2016
- **Remaining service life assessment of river bridges with cracked members**
 Ozdemir S., Topkara N., YAKUT A., AKYÜZ U., CANER A.
 8th International Conference on Bridge Maintenance, Safety and Management (IABMAS), Foz do Iguaçu, Brazil, 26 - 30 June 2016, pp.412-413
- **Multicomponent seismic loss estimation on the North Anatolian Fault Zone**
 Karimzadeh S., ASKAN GÜNDOĞAN A., ERBERİK M. A. , YAKUT A.
 AGU 2015 Fall Meeting, 14 - 18 December 2015
- **Assessment of Simulated Ground Motions in Earthquake Engineering Practice: A Case Study for Duzce (Turkey)**
 Karimzadeh S., ASKAN GÜNDOĞAN A., YAKUT A.
 1st Workshop on Best Practices in Physics-Based Fault Rupture Models for Seismic Hazard Assessment of Nuclear Installations (BestPSHANI), Vienna, Austria, 18 - 20 November 2015, pp.265-283
- **Identifying Masonry Buildings That Are under High Seismic Risk**
 ALDEMİR A., BİNİCİ B., YAKUT A., CANBAYE.
 Proceedings of the Tenth Pacific Conference on Earthquake Engineering, 6 - 08 November 2015
- **Identifying Masonry Buildings That are Under High Seismic Risk**
 ALDEMİR A., BİNİCİ B., YAKUT A., CANBAYE.
 Proceedings of the Tenth Conference on Earthquake Engineering, 6 - 08 November 2015
- **Lateral Load on Site Testing of a Two Story Masonry Building up to Near Collapse**
 BİNİCİ B., CANBAYE., YAKUT A., ALDEMİR A.
 Proceedings of the Tenth Pacific Conference on Earthquake Engineering, 6 - 08 November 2015
- **Lateral Load Testing of a two story building up to near collapse**
 BİNİCİ B., CANBAYE., YAKUT A., ALDEMİR A.
 Proceedings of the Tenth Pacific Conference on Earthquake Engineering, 6 - 08 November 2015
- **An Experimental Investigation of Infill Behaviour in RC Frames**
 DEMİREL İ. O. , YAKUT A., BİNİCİ B., CANBAYE.

Proceedings of the Tenth Pacific Conference on Earthquake Engineering, 6 - 08 November 2015

- **Lateral Load Testing of Two Masonry Buildings**

BİNİCİ B., ALDEMİR A., CANBAY E., YAKUT A.

The 2015 World Congress on Advances in Structural Engineering and Mechanics (ASEM15), 25 - 28 August 2015

- **Lateral Load Testing of Two Existing Masonry Buildings**

BİNİCİ B., ALDEMİR A., CANBAY E., YAKUT A.

The 2015 World Congress on Advances in Structural Engineering and Mechanics (ASEM15), Incheon, South Korea, 25 - 29 August 2015

- **Directional Effect of the Strong Ground Motion on the Seismic Behavior of Skewed Bridges**

Atak B., AVŞAR Ö., YAKUT A.

9th International Conference on Structural Dynamics (EURODYN), Porto, Portugal, 30 June - 02 July 2014, pp.1253-1258

- **Assessment of synthetic ground motion records obtained from alternative simulation techniques in nonlinear time history analyses of multi-storey frame buildings: A case study**

Karimzadeh S., ASKAN GÜNDOĞAN A., YAKUT A., Ameri G.

9th International Conference on Structural Dynamics (EURODYN), Porto, Portugal, 30 June - 02 July 2014, pp.351-358

- **Influence of Clay Tile Brick Infill Walls on Seismic Response of Buildings**

YAKUT A., Demirel I. O.

4th International Conference on Multi-Functional Materials and Structures (MFMS 2013), Bangkok, Thailand, 14 - 17 July 2013, vol.747, pp.273-276

- **A detailed seismic performance assessment procedure for RC frame buildings**

YAKUT A., Erduran E.

Workshop on Advances in Earthquake Engineering for Urban Risk Reduction, İstanbul, Turkey, 30 May - 01 June 2005, vol.66, pp.135-137

- **In defence of Zeytinburnu**

Ozcebe G., SUCUOĞLU H., YÜCEMEN M. S. , YAKUT A.

Workshop on Advances in Earthquake Engineering for Urban Risk Reduction, İstanbul, Turkey, 30 May - 01 June 2005, vol.66, pp.95-97

- **Evaluation of approximate nonlinear procedures for observed response of a shear wall structure**

Gulkan P., YAKUT A., Kazaz I.

Workshop on Advances in Earthquake Engineering for Urban Risk Reduction, İstanbul, Turkey, 30 May - 01 June 2005, vol.66, pp.333-335

- **Influence of ground motion intensity on the performance of low- and mid-rise ordinary concrete buildings**

Akkar S., Sucuoglu H., Yakut A.

Workshop on Future Directions in Instrumentation for Strong Motion and Engineering Seismology, Kusadasi, Turkey, 17 - 21 May 2004, vol.58, pp.123-138

- **Just how prescient are our building damage predictions?**

Gulkan P., Bakir B., Yakut A., Yilmaz M.

Workshop on Seismic Assessment and Rehabilitation of Existing Buildings, İzmir, Turkey, 13 May 2003, vol.29, pp.165-192

- **Preliminary seismic vulnerability assessment of existing reinforced concrete buildings in Turkey - Part I: Statistical model based on structural characteristics**

Ozcebe G., Yucemen M., Aydogan V., Yakut A.

Workshop on Seismic Assessment and Rehabilitation of Existing Buildings, İzmir, Turkey, 13 May 2003, vol.29, pp.29-42

- **Parameters affecting damageability of reinforced concrete members**

Erduran E., Yakut A.

Workshop on Seismic Assessment and Rehabilitation of Existing Buildings, İzmir, Turkey, 13 May 2003, vol.29, pp.59-76

- **Preliminary seismic vulnerability assessment of existing reinforced concrete buildings in Turkey Part II: Inclusion of site characteristics**

Yakut A., Aydogan V., Ozcebe G., Yucemen M.

Workshop on Seismic Assessment and Rehabilitation of Existing Buildings, İzmir, Turkey, 13 May 2003, vol.29, pp.43-58

Supported Projects

KESTEL S. A. , YILDIRIM B., Ekici M. A. , YAKUT A., ŞİMŞEK M., Project Supported by Higher Education Institutions, Türkiye'deki Yapı Stoku Özelliklerine Bağlı Deprem Sigortası ve Reasürans Primi Değerlendirmesi, 2014 - 2015

Citations

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