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Research Areas

Civil Engineering

Academic Titles / Tasks

Lecturer PhD, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, 2018 - Continues

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)
- **Seismological and Engineering Demand Misfits for Evaluating Simulated Ground Motion Records**
Karimzadeh S.
APPLIED SCIENCES-BASEL, vol.9, 2019 (Journal Indexed in SCI)
- **Use of simulated ground motions for the evaluation of energy response of simple structural systems**
Karimzadeh S., Ozsarac V., Askan A., ERBERİK M. A.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.123, pp.525-542, 2019 (Journal Indexed in SCI)
- **Broadband Ground Motion Simulation Within the City of Düzce (Turkey) and Building Response Simulation**
Ozmen E., Karimzadeh S., Askan A.
Pure and Applied Geophysics, 2019 (Journal Indexed in SCI)
- **Seismic response of base isolated liquid storage tanks to real and simulated near fault pulse type ground motions**
Uçkan M. E. , Umut O., Sisman F. N. , Karimzadeh S., Askan A.
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- **Seismic damage assessment based on regional synthetic ground motion dataset: a case study for Erzincan, Turkey**
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NATURAL HAZARDS, vol.92, pp.1371-1397, 2018 (Journal Indexed in SCI)
- **Modeling of a historical earthquake in Erzincan, Turkey (Ms similar to 7.8, in 1939) using regional seismological information obtained from a recent event**
Karim Zadeh Naghshineh S., Askan A.
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- **Assessment of Simulated Ground Motions for Their Use in Structural Engineering Practice; A Case Study for Duzce (Turkey)**
Karim Zadeh Naghshineh S., Askan A., Yakut A.
Pure And Applied Geophysics, vol.174, pp.3325-3329, 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)

- **Assessment of seismic hazard in the Erzincan (Turkey) region: construction of local velocity models and evaluation of potential ground motions**

Askan A., Karimzadeh S., Asten M., Kilic N., Sisman F. N. , Erkmen C.

TURKISH JOURNAL OF EARTH SCIENCES, vol.24, pp.529-565, 2015 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Kuzey Anadolu Fay Hattı Üzerinde Olası Deprem Senaryoları İçin Benzeştirilmiş Bir Kuvvetli Yer Hareketi Veri Tabanı**

Askan A., Karimzadeh S.

Turkish Journal of Earthquake Research , vol.1, pp.76-97, 2019 (Refereed Journals of Other Institutions)

Book & Book Chapters

- **Seismotectonics in the Eastern Mediterranean Region**

Askan A., Karimzadeh S., Bilal M.

in: Seismic Intensity Maps for the Eastern Part of North Anatolian Fault Zone Turkey Based on Recorded and Simulated Ground Motion Data , Ibrahim Cemen, Yucel Yilmaz, Editor, John Wiley & Sons, West Sussex, UK , Florida, pp.273, 2017

- **Seismic Intensity Maps for the Eastern Part of the North Anatolian Fault Zone (Turkey) Based on Recorded and Simulated Ground-Motion Data**

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in: ACTIVE GLOBAL SEISMOLOGY: NEOTECTONICS AND EARTHQUAKE POTENTIAL OF THE EASTERN MEDITERRANEAN REGION, Ibrahim Cemen, Yucel Yilmaz, Editor, Wiley, pp.273-287, 2017

Refereed Congress / Symposium Publications in Proceedings

- **EVALUATION OF HISTORICAL AND FUTURE URBAN RISKS OF ERZİNCAN CITY BY USING GROUND MOTION SIMULATION**

Çelik A., Şenol Balaban M., Askan A., Karim Zadeh Naghshineh S.

INTERNATIONAL DISASTER AND RESILIENCE CONGRESS - FROM RISK TO RESILIENCE, Eskişehir, Turkey, 26 - 28 June 2019

- **Comparison Of Structural Responses for a Base Isolated Building Under Real and Simulated Records, 16th World Conference on Seismic Isolatio**

Ozsarac V., Karim Zadeh Naghshineh S., Askan A.

Energy Dissipation and Active Vibration Control of Structures (16WCSI), Sankt-Peterburg, Russia, 1 - 06 June 2019, pp.24

- **Comparison of energy-based seismic structural responses based on simulated ground motions with existing empirical relationships**

Karimzadeh S., Askan Gündoğan A., Erberik M. A.

13th International Congress on Advances in Civil Engineering, İzmir, Turkey, 12 - 14 September 2018, pp.64

- **ASSESSMENT OF ALTERNATIVE GROUND MOTION SIMULATION TECHNIQUES IN NONLINEAR TIME HISTORY ANALYSES OF BASE ISOLATED MULTI-STORY FRAME BUILDING: A CASE STUDY**

Ozsarac V., Karim Zadeh Naghshineh S., Askan Gündoğan A.

36th General Assembly of the European Seismological Commission (ESC 2018), Valletta, Malta, 2 - 07 September 2018, pp.463

- **Use of Ground Motion Simulations of a Historical Earthquake for the Assessment of Past and Future Urban Risks**

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36th General Assembly of the European Seismological Commission (ESC 2018), Valletta, Malta, 2 - 07 September 2018, pp.615

- **COMPARISONS OF ALTERNATIVE SEISMIC INTENSITY PARAMETERS FOR SELECTED SETS OF REAL AND SIMULATED GROUND MOTION RECORDS**
Karim Zadeh Naghshineh S., Kadas K., Askan Gündoğan A., Yakut A.
36th General Assembly of the European Seismological Commission (ESC 2018), Valletta, Malta, 2 - 07 September 2018, pp.650
- **Site-Specific Probabilistic Seismic Hazard Assessment Analyses in Zeytinburnu, Istanbul**
Askan Gündoğan A., Karimzadeh S.
36th General Assembly of the European Seismological Commission (ESC 2018) , Valletta, Malta, 2 - 07 September 2018, pp.242-243
- **Evaluation of Simulated Ground Motion Records Considering both Seismological and Engineering Response Misfits**
Karimzadeh S.
36th General Assembly of the European Seismological Commission (ESC 2018), Valletta, Malta, 2 - 07 September 2018, pp.658-659
- **BROADBAND GROUND MOTION SIMULATION WITHIN THE CITY OF DUZCE (TURKEY) AND BUILDING RESPONSE SIMULATION**
Ozlu E., Karim Zadeh Naghshineh S., Askan Gündoğan A.
Eleventh U.S. National Conference on Earthquake Engineering , California, United States Of America, 25 - 29 June 2018, pp.1426
- **FRAGILITY CURVES FOR RC BUILDINGS OF DUZCE (TURKEY) USING SIMULATED RECORDS**
Kadas K., Karimzadeh S., Askan A., Erberik M. A. , Yakut A.
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- **EVALUATION OF SEISMIC ENERGY IN SIMPLE STRUCTURAL SYSTEMS USING SIMULATED GROUND MOTIONS**
Karim Zadeh Naghshineh S., Ozsarac V., Askan Gündoğan A., Erberik M. A.
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- **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
- **MODELING OF THE 1939 ERZINCAN, TURKEY (MS~7.8) EARTHQUAKE: OBSERVATIONS ON ANTICIPATED GROUND MOTIONS AND FELT INTENSITY DISTRIBUTION**
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- **From Seismic Sources to Engineering Demand Parameters: An Interdisciplinary Framework for Estimation of Seismic Losses in Urban Regions**
Askan Gündoğan A., Asten,Asten,Asten,Asten M., Erberik M. A. , Erkmen C., Karimzadeh S., Kilic N., Sisman F. 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 - 16 May 2018, pp.1-2
- **Broadband Ground Motion Simulation within the City Of Duzce (Turkey) and Building Response Simulation**
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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 - 16 May 2018, pp.1-2
- **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

- **Energy-based response of simple structural systems by using simulated ground motions**

Ozsarac V., Karimzadeh S., ERBERİK M. A. , ASKAN GÜNDOĞAN A.

10th International Conference on Structural Dynamics (EURODYN), Rome, Italy, 10 - 13 September 2017, vol.199, pp.236-241

- **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

- **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

Citations

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