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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, Turkey 2004 - 2010

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 2000 - 2004

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Occupational Health and Safety, İşyeri Hekimliği ve İş Güvenliği Uzmanlığı Eğitici Belgesi, T.C. Çalışma ve Sosyal Güvenlik Bakanlığı, 2013

Education Management and Planning, Deprem Bölgelerinde Yapılacak Binalar Hakkında Yönetmelik, T.C. Çevre ve Şehircilik Bakanlığı, 2012

Dissertations

Doctorate, Karayolu Köprülerinin Yapısal Davranışlarının Analitik ve Deneysel Yöntemlerle Belirlenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, 2010

Research Areas

Civil Engineering, Structure, Buildings (industrial, commercial and public), Structural Engineering, Steel Structures, Timber Structures, Performance of Constructed Facilities, Earthquake Engineering, Masonry Structures, Engineering and Technology

Academic Titles / Tasks

Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - Continues
Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2012 - 2018
Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2011 - 2012
Research Assistant, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, 2005 - 2010

Academic and Administrative Experience

Deputy Head of Department, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2014 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Ambient Vibration-Based Seismic Evaluation of Long-Span Prestressed Concrete Box-Girder Bridges Under Long-Duration, Near-Fault and Far-Fault Ground Motions**
ALTUNIŞIK A. C., SUNCA F., SEVİM B.
JOURNAL OF EARTHQUAKE AND TSUNAMI, vol.18, no.6, 2024 (SCI-Expanded)
- II. **Experimental assessment of FRP repairing in concrete cylinders exposed high temperatures**
AKBULUT Y. E., NAYIR S., ALTUNIŞIK A. C., KAHYA V., SÜNNETÇİ M. O., ERSOY H.
CASE STUDIES IN CONSTRUCTION MATERIALS, vol.21, 2024 (SCI-Expanded)
- III. **Shake table tests on story-to-story pounding between adjacent RC buildings**
SUNCA F., ALTUNIŞIK A. C., Kaya A., GENÇ A. F., Şahin M. C., Karahasan A. K.
Structures, vol.69, 2024 (SCI-Expanded)
- IV. **Estimating fundamental frequency of masonry arches under elevated temperature: numerical analysis and validation using ambient vibration tests**
ALTUNIŞIK A. C., Ozturk M. M., GENÇ A. F., Kaya A., AKBULUT Y. E., SUNCA F., GÜNAYDIN M.
ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING, no.1, 2024 (SCI-Expanded)
- V. **Applications of optical flow methods and computer vision in structural health monitoring for enhanced modal identification**
HACİEFENDİOĞLU K., KAHYA V., Limongelli M. G., OKUR F. Y., ALTUNIŞIK A. C., Aslan T., Pembeoğlu S., Duman C., Bostan A., Aleit H.
Structures, vol.69, 2024 (SCI-Expanded)
- VI. **Seismic performance assessment of a base-isolated hospital building subjected to February 6, 2023, Kahramanmaraş, Türkiye earthquakes (Mw 7.7 Pazarcık and Mw 7.6 Elbistan) and seismic fragility analysis considering different construction stages**
Şen F., SUNCA F., ALTUNIŞIK A. C.
Soil Dynamics and Earthquake Engineering, vol.185, 2024 (SCI-Expanded)
- VII. **Investigation of the Effects of Sprinkler System in Automated Vehicle Parking Structures Using Performance-Based Fire Assessment**
ALTUNIŞIK A. C., Mostofi S., BALTACI A., AKBULUT Y. E., OKUR F. Y.
FIRE TECHNOLOGY, 2024 (SCI-Expanded)
- VIII. **2022 Düzce, Türkiye earthquake: advances in the past 2 decades, lessons learned, and future projections**
DEMİR A., Gunay S., Marinkovic M., DİLSİZ A., Bektas N., Khalil Z., Arslan M. E., ALTUNIŞIK A. C., Caglar N., Mosalam K., et al.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.22, no.11, pp.5835-5862, 2024 (SCI-Expanded)
- IX. **Modal participation ratio in damage identification of building structures: A numerical validation**
YILMAZ Z., OKUR F. Y., GÜNAYDIN M., ALTUNIŞIK A. C.
JVC/Journal of Vibration and Control, vol.30, no.15-16, pp.3269-3283, 2024 (SCI-Expanded)
- X. **Performance-based fire assessment of a fully automated multi-storey steel parking structure: A computational approach**

Mostofi S., Baltacı A., Akbulut Y. E., Okur F. Y., Altunışık A. C.

CASE STUDIES IN THERMAL ENGINEERING, vol.60, 2024 (SCI-Expanded)

- XI. **Numerical and Experimental Investigation on Cyclic Behavior of Masonry Infill Walls Retrofitted with CFRP**
Roudane B., ADANUR S., ALTUNIŞIK A. C.
International Journal of Civil Engineering, vol.22, no.7, pp.1117-1136, 2024 (SCI-Expanded)
- XII. **Structural response of half-scale pumice concrete masonry building: shake table/ambient vibration tests and FE analysis**
Kaya A., Roudane B., Adanur S., SUNCA F., GENÇ A. F., GÜNAYDIN M., ALTUNIŞIK A. C.
MECCANICA, vol.59, no.7, pp.1159-1190, 2024 (SCI-Expanded)
- XIII. **Estimation of Damage Levels in Masonry Structures Following Earthquake Impact Using Deep Learning-based Segmentation Method**
HACIEFENDİOĞLU K., ÖZGAN K., ADANUR S., ALTUNIŞIK A. C., Demirer B., GÜNAYDIN M.
Journal of Earthquake and Tsunami, vol.18, no.2, 2024 (SCI-Expanded)
- XIV. **Dynamic characteristics changes of masonry arches exposed to elevated temperature**
ALTUNIŞIK A. C., ÖZTÜRK M. M., GENÇ A. F., GÜNAYDIN M., KAYA A., AKBULUT Y. E., SUNCA F.
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- XV. **Automatic Detection of Collapsed Buildings after the 6 February 2023 Türkiye Earthquakes Using Post-Disaster Satellite Images with Deep Learning-Based Semantic Segmentation Models**
HACIEFENDİOĞLU K., BAŞAĞA H. B., KAHYA V., ÖZGAN K., ALTUNIŞIK A. C.
BUILDINGS, vol.14, no.3, 2024 (SCI-Expanded)
- XVI. **Experimental measurement-based FE model updating and seismic response of Santa Maria Church and its guesthouse building**
ALTUNIŞIK A. C., GÜNAYDIN M., ERTÜRK ATMACA E., GENÇ A. F., OKUR F. Y., SEVİM B.
Journal of Civil Structural Health Monitoring, vol.14, no.3, pp.663-692, 2024 (SCI-Expanded)
- XVII. **Evaluation of earthquake-related damages on masonry structures due to the 6 February 2023 Kahramanmaraş-Türkiye earthquakes: A case study for Hatay Governorship Building**
KAHYA V., GENÇ A. F., SUNCA F., Roudane B., ALTUNIŞIK A. C., Yılmaz S., GÜNAYDIN M., Dok G., Kirtel O., Demir A., et al.
Engineering Failure Analysis, vol.156, 2024 (SCI-Expanded)
- XVIII. **Vibration characteristics of 'Serender'; traditional Turkish storage buildings in Eastern Black Sea region**
GÜNAYDIN M., GENÇ A. F., Yılmaz Z., ALTUNIŞIK A. C., LAKOT ALEM DAĞ E., AL ŞENSOY S.
JOURNAL OF ARCHITECTURAL CONSERVATION, vol.30, no.1, pp.56-76, 2024 (AHCI)
- XIX. **Field Observations and Numerical Investigations on Seismic Damage Assessment of RC and Masonry Minarets During the February 6th, 2023, Kahramanmaraş (Mw 7.7 Pazarcık and Mw 7.6 Elbistan) Earthquakes in Türkiye**
ATMACA B., ERTÜRK ATMACA E., Roudane B., Güleş O., Demirkaya E., Aykanat B., ALTUNIŞIK A. C., GÜNAYDIN M., Arslan M. E., KAHYA V., et al.
International Journal of Architectural Heritage, 2024 (SCI-Expanded)
- XX. **A Simulation-Based Investigation on Thermal Responses of Suspension Bridge Tower Under Different Fire Scenarios**
Mostofi S., ALTUNIŞIK A. C., AKBULUT Y. E., OKUR F. Y.
Arabian Journal for Science and Engineering, 2024 (SCI-Expanded)
- XXI. **Surrogate Model-Driven Estimation of Adiabatic Surface Temperature of Fire Exposed Suspension Bridge Towers**
Mostofi S., ALTUNIŞIK A. C.
Fire Technology, 2024 (SCI-Expanded)
- XXII. **Experimental Study of the Effect of Different Insulation Schemes on Fire Performance of FRP Strengthened Concrete: FIRECOAT and REALROCK**
ALTUNIŞIK A. C., AKBULUT Y. E., ADANUR S., GÜNAYDIN M., Mostofi S., Mosallam A.

- International Journal of Concrete Structures and Materials, vol.17, no.1, 2023 (SCI-Expanded)
- XXIII. **Field Observations and Damage Evaluation in Reinforced Concrete Buildings After the February 6th, 2023, Kahramanmaraş-Turkiye Earthquakes**
Altunışık A. C., Arslan M. E., Kahya V., Aslan B., Sezdirmez T., Dok G., Kirtel O., Öztürk H., Sunca F., Baltacı A., et al.
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- XXIV. **Enhanced Modal Participation Ratio-Based Structural Damage Identification: A New Filtering Approach Using Modal Assurance Criteria**
Yılmaz Z., OKUR F. Y., GÜNAYDIN M., ALTUNIŞIK A. C.
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- XXV. **Evaluation of soil structure interaction effects on structural performance of historical masonry buildings considering earthquake input models**
GENÇ A. F., Ertürk Atmaca E., GÜNAYDIN M., ALTUNIŞIK A. C., SEVİM B.
STRUCTURES, vol.54, pp.869-889, 2023 (SCI-Expanded)
- XXVI. **Numerical Simulation of Severe Damage to a Historical Masonry Building by Soil Settlement**
Ertürk Atmaca E., GENÇ A. F., ALTUNIŞIK A. C., GÜNAYDIN M., SEVİM B.
BUILDINGS, vol.13, no.8, 2023 (SCI-Expanded)
- XXVII. **Evaluating the high-temperature endurance of FRP-strengthened concrete using an innovative insulation system: Experimental investigation**
Altunışık A. C., Akbulut Y. E., Adanur S., Kaya A., Günaydın M., Mostofi S., Mosallam A.
JOURNAL OF BUILDING ENGINEERING, vol.73, 2023 (SCI-Expanded)
- XXVIII. **Progressive collapse assessment of Osmangazi Suspension Bridge due to sudden hanger breakage under different loading conditions**
Kalkan Okur E., OKUR F. Y., ALTUNIŞIK A. C., GÜNAYDIN M., ADANUR S.
ENGINEERING FAILURE ANALYSIS, vol.149, 2023 (SCI-Expanded)
- XXIX. **A Parametric Study on Damage Assessment of RC Buildings Subjected to Blast Loading**
ALTUNIŞIK A. C., Önalın F., SUNCA F.
Arabian Journal for Science and Engineering, vol.48, no.4, pp.5115-5137, 2023 (SCI-Expanded)
- XXX. **Soil-Structure Interaction and Earthquake Input Models Effect on the Structural Response of the Santa Maria Church and Guesthouse Building**
ALTUNIŞIK A. C., GENÇ A. F., ERTÜRK E., GÜNAYDIN M., OKUR F. Y., SEVİM B.
JOURNAL OF EARTHQUAKE ENGINEERING, vol.27, no.14, pp.4094-4125, 2023 (SCI-Expanded)
- XXXI. **Modal parameter identification and seismic assessment of historical timber structures under near-fault and far-fault ground motions**
Can Altunışık A. C., SUNCA F., SEVİM B.
STRUCTURES, vol.47, pp.1624-1651, 2023 (SCI-Expanded)
- XXXII. **Post-earthquake damage assessments of unreinforced masonry (URM) buildings by shake table test and numerical visualization**
Kaya A., ADANUR S., Bello R. A., GENÇ A. F., OKUR F. Y., SUNCA F., GÜNAYDIN M., ALTUNIŞIK A. C., SEVİM B.
Engineering Failure Analysis, vol.143, 2023 (SCI-Expanded)
- XXXIII. **Timber vernacular structures: 'Serender' Turkish storage buildings in Eastern Black Sea Region**
LAKOT ALEMDAĞ E., AL ŞENSOY S., TAVŞAN F., GÜNAYDIN M., GENÇ A. F., YILMAZ Z., ALTUNIŞIK A. C.
Journal of Architectural Conservation, vol.29, no.3, pp.193-213, 2023 (AHCI)
- XXXIV. **Influence of earthquake angle on seismic performance of concrete highway bridges**
ALTUNIŞIK A. C., Okur E. K.
GRADEVINAR, vol.75, no.10, pp.1013-1024, 2023 (SCI-Expanded)
- XXXV. **Diagnosis and Monitoring of Historical Timber Velipasa Han Building Prior to Restoration**
GÜNAYDIN M., DEMİRKİR C., ALTUNIŞIK A. C., GEZER E. D., GENÇ A. F., OKUR F. Y.
INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE, vol.17, no.2, pp.285-309, 2023 (SCI-Expanded)
- XXXVI. **Experimental investigation on new mechanical systems effectiveness to reduce the coupling beam damages**
Sesli H., HÜSEM M., SUNCA F., ALTUNIŞIK A. C., OKUR F. Y.

- BULLETIN OF EARTHQUAKE ENGINEERING, vol.21, no.1, pp.535-582, 2023 (SCI-Expanded)
- XXXVII. **Post-Earthquake Damage Assessments of Historic Mosques and Effects of Near-Fault and Far-Fault Ground Motions on Seismic Responses**
Altunışık A. C., Sunca F., Genç A. F., Tavşan C.
INTERNATIONAL JOURNAL OF ARCHITECTURAL HERITAGE, vol.17, no.7, pp.1043-1078, 2023 (SCI-Expanded)
- XXXVIII. **Structural condition assessment of a historical masonry school building using experimental and numerical methods**
GÜNAYDIN M., GENÇ A. F., Altunsisk A. C., HACIEFENDİOĞLU K., OKUR F. Y., Okur E., ADANUR S.
JOURNAL OF CIVIL STRUCTURAL HEALTH MONITORING, vol.12, no.5, pp.1083-1113, 2022 (SCI-Expanded)
- XXXIX. **Automated Estimation of Exposed Temperature and Strength Changing Ratio for Fire-Damaged Concrete Using Deep Learning Method**
Haciefendioğlu K., Akbulut Y. E., Nayır S., Başağa H. B., Altunışık A. C.
EXPERIMENTAL TECHNIQUES, vol.46, no.5, pp.793-810, 2022 (SCI-Expanded)
- XL. **Automatic Estimation of Post-fire Compressive Strength Reduction of Masonry Structures Using Deep Convolutional Neural Network**
HACIEFENDİOĞLU K., GENÇ A. F., NAYIR S., AYAS S., ALTUNIŞIK A. C.
FIRE TECHNOLOGY, vol.58, no.5, pp.2779-2809, 2022 (SCI-Expanded)
- XLI. **Effect of Ground Motion Scaling Methods on Seismic Response of Masonry Clock Towers**
Erturk E., ALTUNIŞIK A. C., GENÇ A. F.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.46, no.4, pp.3001-3024, 2022 (SCI-Expanded)
- XLII. **Dynamic Characteristics Monitoring Changes of Damaged and Retrofitted RC Buildings**
GÜNAYDIN M., ADANUR S., ALTUNIŞIK A. C., Mosallam A., SEVİM B.
EXPERIMENTAL TECHNIQUES, vol.46, no.3, pp.457-484, 2022 (SCI-Expanded)
- XLIII. **Experimental Investigation on Dynamic Characteristics Changes of Fire Exposed Reinforced Concrete and Steel Members**
Altunışık A. C., Akbulut Y. E., Başağa H. B., Mostofi S., Mosallam A., Wafa L. F.
FIRE TECHNOLOGY, vol.58, no.3, pp.1169-1208, 2022 (SCI-Expanded)
- XLIV. **A new type notched slab approach for timber-concrete composite construction: Experimental and numerical investigation**
YILMAZ S., KARAHASAN O. Ş., ALTUNIŞIK A. C., VURAL N., DEMİR S.
STRUCTURAL ENGINEERING AND MECHANICS, vol.81, no.6, pp.737-750, 2022 (SCI-Expanded)
- XLV. **Nondestructive Experimental Measurement, Model Updating, and Fatigue Life Assessment of carsamba Suspension Bridge**
GÜNAYDIN M., SUNCA F., ALTUNIŞIK A. C., Ergun M., OKUR F. Y.
JOURNAL OF BRIDGE ENGINEERING, vol.27, no.2, 2022 (SCI-Expanded)
- XLVI. **FE model updating and seismic performance evaluation of a historical masonry clock tower**
GÜNAYDIN M., ERTÜRK E., GENÇ A. F., OKUR F. Y., ALTUNIŞIK A. C., TAVŞAN C.
EARTHQUAKES AND STRUCTURES, vol.22, no.1, pp.65-82, 2022 (SCI-Expanded)
- XLVII. **Effects of Concrete Strength and Openings in Infill Walls on Blasting Responses of RC Buildings Subjected to TNT Explosive**
ALTUNIŞIK A. C., Onalan F., SUNCA F.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.45, no.4, pp.2525-2554, 2021 (SCI-Expanded)
- XLVIII. **Assessment of Structural Damage Following the October 30, 2020 Aegean Sea Earthquake and Tsunami**
ALTUNIŞIK A. C., ATMACA B., Kartal M. E., GÜNAYDIN M., DEMİR S., Ulsan A.
JOURNAL OF EARTHQUAKE AND TSUNAMI, vol.15, no.06, 2021 (SCI-Expanded)
- XLIX. **Multiple damage detection in laminated composite beams using automated model update**
Kahya V., Okur F. Y., Şimşek S., Altunışık A. C., Aslan M.
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- L. **Dynamic response of a traditional himis, mansion using updated FE model with operational modal testing**
Okur E. K., ALTUNIŞIK A. C., OKUR F. Y., Meral M., YILMAZ Z., GÜNAYDIN M., GENÇ A. F.
JOURNAL OF BUILDING ENGINEERING, vol.43, 2021 (SCI-Expanded)
- LI. **Modal identification and fatigue behavior of Eynel steel arch highway bridge with calibrated models**
SUNCA F., Ergun M., ALTUNIŞIK A. C., GÜNAYDIN M., OKUR F. Y.
JOURNAL OF CIVIL STRUCTURAL HEALTH MONITORING, vol.11, no.5, pp.1337-1354, 2021 (SCI-Expanded)
- LII. **Effects of the vertical component of ground motion on the seismic performance of Bhakra Gravity Dam**
Sevim B., Altunışık A. C., Günaydın M.
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- LIII. **Numerical investigation on dynamic characteristics changes of RC columns and frames under elevated temperature**
Akbulut Y. E., Altunışık A. C., Başağa H. B., Mostofi S., Mosallam A., Wafa L. F.
COMPUTERS AND CONCRETE, vol.28, no.2, pp.149-187, 2021 (SCI-Expanded)
- LIV. **Performance Evaluation of Reinforced Concrete Buildings During the Sivrice-Elazig Earthquake (M_w=6.8, January 24, 2020) in Accordance with Turkish Earthquake Code**
DEMİR S., GÜNAYDIN M., ATMACA B., ALTUNIŞIK A. C., HÜSEM M., ADANUR S., ANGIN Z., ATEŞ Ş.
JOURNAL OF EARTHQUAKE AND TSUNAMI, vol.15, no.04, 2021 (SCI-Expanded)
- LV. **Assessment of modal characteristics of cross-laminated timber beams subject to successive damages**
GENÇ A. F., KAHYA V., ALTUNIŞIK A. C., GÜNAYDIN M., DEMİRKİR C.
ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING, vol.21, no.3, 2021 (SCI-Expanded)
- LVI. **Deformation modulus of rock foundation in Deriner Arch Dam**
Yilmaz D., ALTUNIŞIK A. C., ADANUR S.
GEOMECHANICS AND ENGINEERING, vol.26, no.1, pp.63-75, 2021 (SCI-Expanded)
- LVII. **Elevated Temperature Effect on the Dynamic Characteristics of Steel Columns and Frames**
Akbulut Y. E., Altunışık A. C., Başağa H. B., Mostofi S., Mosallam A., Wafa L. F.
INTERNATIONAL JOURNAL OF STEEL STRUCTURES, vol.21, no.3, pp.861-882, 2021 (SCI-Expanded)
- LVIII. **Optimal sensor placements for system identification of concrete arch dams**
ALTUNIŞIK A. C., SEVİM B., SUNCA F., OKUR F. Y.
ADVANCES IN CONCRETE CONSTRUCTION, vol.11, no.5, pp.397-407, 2021 (SCI-Expanded)
- LIX. **Residual mechanical properties of triaxial CFRP laminates after thermal cycling and ultraviolet radiation exposure of composite bridge members**
Mosallam A. S., Xin H., Salama M. A., ALTUNIŞIK A. C., ADANUR S., Elmikawi M.
STRUCTURES, vol.30, pp.166-173, 2021 (SCI-Expanded)
- LX. **Seismic damage assessment of masonry buildings in Elazig and Malatya following the 2020 Elazig-Sivrice earthquake, Turkey**
GÜNAYDIN M., ATMACA B., DEMİR S., ALTUNIŞIK A. C., HÜSEM M., ADANUR S., ATEŞ Ş., ANGIN Z.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.19, no.6, pp.2421-2456, 2021 (SCI-Expanded)
- LXI. **Damage Localization in Laminated Composite Beams with Multiple Edge Cracks Based on Vibration Measurements**
KAHYA V., Karaca S., OKUR F. Y., ALTUNIŞIK A. C., ASLAN M.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.45, no.1, pp.75-87, 2021 (SCI-Expanded)
- LXII. **Optimal Sensor Placement for Laminated Composite and Steel Cantilever Beams by the Effective Independence Method**
SUNCA F., Okur F. Y., Altunisik A. C., Kahya V.
STRUCTURAL ENGINEERING INTERNATIONAL, vol.31, no.1, pp.85-92, 2021 (SCI-Expanded)
- LXIII. **Numerical and Experimental Investigation on Dynamic Characteristic Changes of Encased Steel Profile Before and After Cyclic Loading Tests**
Nasery M. M., HÜSEM M., OKUR F. Y., ALTUNIŞIK A. C.

- INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, vol.18, no.12, pp.1411-1431, 2020 (SCI-Expanded)
- LXIV. **Field Investigation on the Performance of Mosques and Minarets during the Elazig-Sivrice Earthquake**
ATMACA B., DEMİR S., GÜNAYDIN M., ALTUNIŞIK A. C., HÜSEM M., ATEŞ Ş., ADANUR S., ANGIN Z.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.34, no.6, 2020 (SCI-Expanded)
- LXV. **Ambient vibration test and modelling of historical timer mosques after restoration**
ALTUNIŞIK A. C., KARAHASAN O. Ş., OKUR F. Y., Kalkan E., ÖZGAN K.
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-STRUCTURES AND BUILDINGS, vol.173, no.12, pp.956-968, 2020 (SCI-Expanded)
- LXVI. **Model updating-based automated damage detection of concrete-encased composite column-beam connections**
Nasery M. M., HÜSEM M., OKUR F. Y., ALTUNIŞIK A. C., Nasery M. E.
STRUCTURAL CONTROL & HEALTH MONITORING, vol.27, no.10, 2020 (SCI-Expanded)
- LXVII. **Nonlinear Dynamic Response of a RC Frame for Different Structural Conditions Including the Effect of FE Model Updating**
GÜNAYDIN M., GENÇ A. F., KARAHASAN O. Ş., ALTUNIŞIK A. C., OKUR F. Y., ADANUR S.
INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, vol.18, no.5, pp.551-567, 2020 (SCI-Expanded)
- LXVIII. **Damage effect on experimental modal parameters of haunch strengthened concrete-encased composite column-beam connections**
Nasery M. M., HÜSEM M., OKUR F. Y., ALTUNIŞIK A. C.
INTERNATIONAL JOURNAL OF DAMAGE MECHANICS, vol.29, no.2, pp.297-334, 2020 (SCI-Expanded)
- LXIX. **Finite-Element Model Updating and Dynamic Responses of Reconstructed Historical Timber Bridges using Ambient Vibration Test Results**
ALTUNIŞIK A. C., KALKAN E., OKUR F. Y., KARAHASAN O. Ş., ÖZGAN K.
JOURNAL OF PERFORMANCE OF CONSTRUCTED FACILITIES, vol.34, no.1, 2020 (SCI-Expanded)
- LXX. **Optimal Sensor Placement for Laminated Composite and Steel Cantilever Beams by Effective Independence Method**
Sunca F., OKUR F. Y., ALTUNIŞIK A. C., KAHYA V.
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under the dynamic pressure effect caused by different explosion scenarios

önanan f., SUNCA F., ALTUNIŞIK A. C.

Proceedings of 3rd International Civil Engineering and Architecture Congress, Turkey, 12 October 2023

- VIII. **Evaluating Sprinkler System Effectiveness in Fire Performance of Automated Car Park Structures**
Akbulut Y. E., Mostofi S., Baltacı A., Okur F. Y., Altunışık A. C.
3rd International Civil Engineering & Architecture Conference (ICEARC'23), Trabzon, Turkey, 12 - 14 October 2023, vol.1, pp.1252-1259
- IX. **The effect of damage measure on fragility curves for seismically isolated buildings**
ŞEN F., SUNCA F., ALTUNIŞIK A. C.
Proceedings of 3rd International Civil Engineering and Architecture Congress, Turkey, 12 October 2023
- X. **Fire Risk Assessment of Suspension Bridge Towers under Varying Vehicle Load Conditions: A Simulation Study**
Mostofi S., Akbulut Y. E., Altunışık A. C.
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- XI. **Thermo-Mechanical Analysis of a Multi-Story Steel Structure Using OpenSees for Fire**
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3rd International Civil Engineering & Architecture Conference (ICEARC'23), Trabzon, Turkey, 12 - 14 October 2023, vol.1, pp.1032-1038
- XII. **Investigation of Dynamic Characteristics of Blast Effects on Reinforced Concrete Structure Models with Different Geometrical Properties**
önanan f., SUNCA F., ALTUNIŞIK A. C.
International Congress on Phenomenological Aspects in Civil Engineering, Turkey, 20 June 2023
- XIII. **Ambient vibration based model updating of a historical masonry church**
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- XIV. **Near-Fault and Far-Fault Ground Motions Effects on Seismic Responses of Timber Bridges**
SUNCA F., ALTUNIŞIK A. C.
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- XV. **Evaluation of Damage Caused by Soil Settlements in a Historical Masonry Building**
GENÇ A. F., ALTUNIŞIK A. C., ERTÜRK E.
The 4th International Conference on Advanced Technologies for Humanity (ICATH'2022), Marrakech, Morocco, 11 November 2022
- XVI. **Fire Damage Prevention Using Innovative Insulation Systems**
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The 4th International Conference on Advanced Technologies for Humanity (ICATH'2022), Marrakush, Morocco, 11 - 12 November 2022, pp.1-10
- XVII. **Experimental investigation of optimal sensor placement of a laminated composite cantilever beam**
SUNCA F., OKUR F. Y., ALTUNIŞIK A. C., KAHYA V.
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- XVIII. **Fire Simulation of Masonry Arch Bridge Using Computational Fluid Dynamics**
Altunışık A. C., Mostofi S., Akbulut Y. E.
International Congress on the Phenomenological Aspects of Civil Engineering (PACE-2021), Erzurum, Turkey, 20 - 23 June 2021, pp.611-614
- XIX. **Vertical Ground Motion Effects on the Seismic Responses of Historical Masonry Structures**
ALTUNIŞIK A. C., SUNCA F., GENÇ A. F., TAVŞAN C.
International Congress on the Phenomenological Aspects of Civil Engineering, Erzurum, Turkey, 20 June 2021
- XX. **Modal Behavior of Reinforced Concrete Column under Fire Condition - Experimental and Numerical Evaluations**
Altunışık A. C., Akbulut Y. E., Başağa H. B., Mostofi S., Mosallam A., Wafa L.

- International Engineering Symposium (IES'20), İzmir, Turkey, 5 - 13 December 2020, pp.209-214
- XXI. **Modal Behavior of Reinforced Concrete Column under Fire Condition - Experimental and Numerical Evaluations**
ALTUNIŞIK A. C., AKBULUT Y. E., BAŞAĞA H. B., MOSTOFİ S., MOSALLAM A., WAFA L. F.
IES'20 International Engineering Symposium, İzmir, Turkey, 5 - 13 December 2020, pp.209-214
- XXII. **Damage localization in laminated composite beams using modal data**
KAHYA V., ŞİMŞEK S., ALTUNIŞIK A. C., OKUR F. Y., ASLAN M.
IES'20 International Engineering Symposium, Engineering Applications in Industry (Virtual), İzmir, Turkey, 05 December 2020, pp.9-19
- XXIII. **Updating the FE Model of the Traditional Hıdırlar Mansion Using Experimental Modal Analysis Measurement Results**
Altunışık A. C., Meral M., Kalkan Okur E., Genç A. F., Günaydın M., Okur F. Y., Karahasan O. Ş., Yılmaz Z.
International IDU Engineering Symposium – IES'20 , Trabzon, Turkey, 5 - 13 December 2020, vol.1, no.1, pp.1-10
- XXIV. **Seismic Evaluation of a Historical Masonry Church**
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- XXV. **Experimental Modal Analysis Measurements and Structural Health Monitoring of the Double Curvature Deriner Arch Dam**
Altunışık A. C., Kalkan Okur E., Okur F. Y., Günaydın M., Genç A. F.
International IDU Engineering Symposium – IES'20 , Trabzon, Turkey, 5 - 13 December 2020, vol.1, no.1, pp.1-10
- XXVI. **Structural Performance Assessment of Single-Story RC Precast Structures Subjected to Pulse-Type Ground Motions**
Altunışık A. C., Sunca F.
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- XXVII. **Connection Type Effect on Dynamic Characteristics of Fire Exposed Steel Frames**
Altunışık A. C., Akbulut Y. E., Başağa H. B., Mostofi S., Mosallam A., Wafa L.
International Engineering Symposium (IES'20), İzmir, Turkey, 5 - 13 December 2020, pp.180-184
- XXVIII. **Domestic Software Developed for Updating of Finite Element Models and Experimental Modal Analysis of Structures**
Altunışık A. C., Okur F. Y.
International IDU Engineering Symposium – IES'20 , İzmir, Turkey, 5 - 13 December 2020, vol.1, no.1, pp.1-10
- XXIX. **Değişerek Yayılan Yer Hareketi Etkisi Altındaki Karayolu Köprülerinin Dinamik Davranışı**
HACİEFENDİOĞLU K., ALTUNIŞIK A. C., Soyluk K.
4. Köprüler ve Viyadükler Sempozyumu, Ankara, Turkey, 1 - 02 November 2019, pp.33
- XXX. **Yüksek Sıcaklık Etkisindeki Mühendislik Yapılarının Dinamik Karakteristik Değişimlerinin Sayısal ve Deneysel Yöntemlerle İncelenmesi**
Akbulut Y. E., Altunışık A. C.
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- XXXI. **NUMERICAL INVESTIGATION OF DOWEL AND CRAMP REINFORCEMENT ON MASONRY WALLS**
GENÇ A. F., ALTUNIŞIK A. C., Sarı M.
International Civil Engineering and Architecture Conference 2019, 17 - 20 April 2019
- XXXII. **THE EFFECT OF OPENING NUMBERS AND SIZES ON THE SEISMIC BEHAVIOR OF CONCRETE CHIMNEYS**
Sarı M., ALTUNIŞIK A. C., GÜNAYDIN M.
International Civil Engineering and Architecture Conference 2019, 17 - 20 April 2019
- XXXIII. **DETERMINATION OF REBAR EFFECT ON MODAL BEHAVIOR OF REINFORCED CONCRETE BRIDGES**
DOĞAN U. U., ALTUNIŞIK A. C., ERGÜN M.
International Civil Engineering and Architecture Conference 2019, 17 - 20 April 2019
- XXXIV. **STRUCTURAL BEHAVIOR OF REINFORCED CONCRETE BUILDINGS UNDER EXPLOSION EFFECTS**
Önalın F., ALTUNIŞIK A. C.
International Civil Engineering and Architecture Conference 2019, 17 - 20 April 2019

- XXXV. **POUNDING EFFECTS ON TORSION RESPONSE OF ADJACENT BUILDINGS SUBJECTED TO NEAR-FAULT GROUND MOTIONS**
SUNCA F., TÜRKAY A., ALTUNIŞIK A. C.
International Civil Engineering and Architecture Conference 2019, 17 - 20 April 2019
- XXXVI. **Investigation of Dynamic Characteristic Changes of Reinforced Concrete Columns under the Elevated Temperature Effect by Numerical Methods**
Akbulut Y. E., Altunışık A. C., Başağa H. B.
International Civil Engineering & Architecture Conference (ICEARC'19), Trabzon, Turkey, 17 - 20 April 2019, pp.1252-1261
- XXXVII. **Fe Model Updating Effect On The Nonlinear Dynamic Response Of RC Building Frame Model**
ALTUNIŞIK A. C., KARAHASAN O. Ş.
International Civil Engineering and Architecture Conference 2019, Trabzon, Turkey, 17 - 20 April 2019, vol.-
- XXXVIII. **Localisation of open transverse cracks in laminated composite beams based on modal data**
KAHYA V., karaca S., ALTUNIŞIK A. C., OKUR F. Y., ASLAN M.
International Congress on engineering and Architecture, Antalya, Turkey, 14 - 16 November 2018
- XXXIX. **Localization of Open Transverse Cracks in Laminated Composite Beams Based on Modal Data**
KAHYA V., ŞİMŞEK S., ALTUNIŞIK A. C., OKUR F. Y., ASLAN M.
International Congress on Engineering and Architecture, Alanya, Turkey, 14 - 16 November 2018
- XL. **DEVELOPMENT OF SOFTWARE TO PREDICT THE MODAL PARAMETERS AND STRUCTURAL BEHAVIOR OF SINGLE CURVED ARCH DAMS**
kalkan e., ALTUNIŞIK A. C., BAŞAĞA H. B., SEVİM B.
5th International Smposium on Dam Safety, 27 - 31 October 2018
- XLI. **STRUCTURAL BEHAVIOR OF CONCRETE GRAVITY DAMS USING WESTERGAARD, LAGRANGE AND EULER APPROACHES**
ALTUNIŞIK A. C., SESLİ H., HÜSEM M., kalkan e.
5th International Smposium on Dam Safety, 27 - 31 October 2018
- XLII. **Structural Health Monitoring of Laboratory Arch Dam Model**
ALTUNIŞIK A. C., SEVİM B., GÜNAYDIN M., ADANUR S., KALKAN E.
INTERNATIONAL SYMPOSIUM on DAM SAFETY AND EXHIBITION, 27 - 31 October 2018
- XLIII. **Vibration Characteristics of Historical Masonry Museum**
GENÇ A. F., OKUR F. Y., GÜNAYDIN M., ALTUNIŞIK A. C.
INTERNATIONAL CONFERENCE ON INNOVATIVE ENGINEERING APPLICATIONS, 20 - 22 September 2018
- XLIV. **Experimental Modal Testing of a Historical Clock Tower**
OKUR F. Y., GENÇ A. F., GÜNAYDIN M., ALTUNIŞIK A. C.
INTERNATIONAL CONFERENCE ON INNOVATIVE ENGINEERING APPLICATIONS, 20 - 22 September 2018
- XLV. **Natural Frequency Analysis of Laminated Composite Beams with Multiple Open Transverse Cracks**
KAHYA V., ŞİMŞEK S., OKUR F. Y., ALTUNIŞIK A. C., ASLAN M.
International Conference on Innovative Engineering Applications, Sivas, Turkey, 20 - 22 September 2018, pp.327-334
- XLVI. **Span-Skewed Effect on the Response of the I- Girder Prestressed Concrete Bridges**
ghzayel o., karimi m. t., ADANUR S., ALTUNIŞIK A. C.
13th International Congress on Advances in Civil Engineering, 12 - 14 September 2018
- XLVII. **Characterization Of Glass Fiber Reinforced Polyester Composites Produced By Pultrusion Process**
ASLAN M., Ezzatkah A., KAHYA V., ALTUNIŞIK A. C., Kayhan M.
International Technological Sciences and Design Symposium, Giresun, Turkey, 27 - 29 June 2018, pp.460
- XLVIII. **Performance of Masonry Buildings during the February, 2017Ayvacık (Çanakkale) Earthquakes**
ADANUR S., ALTUNIŞIK A. C., GÜNAYDIN M., mosallam a.
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- XLIX. **Performance of Masonry Buildings During the February, 2017 Ayvacık (Çanakkale)**
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- L. **Ambient Vibration Testing Of A Historical Masonry Minaret**
ALTUNIŞIK A. C., GÜNAYDIN M., GENÇ A. F., Okur F. Y.
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- LI. **Dynamic Analysis of Osman Gazi Suspension Bridge**
ADANUR S., ALKASMOU H., GÜNAYDIN M., ALTUNIŞIK A. C.
3. International Conference on Civil and Environmental Engineering, 24 - 27 April 2018
- LII. **Finite Element Model Updating Procedure of a RC Frame Model using Ambient Vibration Testing**
GÜNAYDIN M., ADANUR S., ALTUNIŞIK A. C.
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- LIV. **Damage Effect on the Dynamic Characteristics of Buildings**
ALTUNIŞIK A. C., Karahasan O. Ş., GENÇ A. F., Okur F. Y., GÜNAYDIN M., ADANUR S.
2nd International Conference on Advanced Engineering Technologies, 21 September - 23 October 2017
- LV. **Development of Engineering Software to Determine the Structural Behavior of Arch Dams**
ALTUNIŞIK A. C., kalkan e., BAŞAĞA H. B.
8th International Advanced Technologies Symposium, 19 - 22 October 2017
- LVI. **Damage detection of a multiple cracked cantilever beam**
ALTUNIŞIK A. C., OKUR F. Y., KAHYA V., KARACA S.
8th International Advanced Technologies Symposium, Elazığ, Turkey, 19 - 22 October 2017, pp.75-82
- LVII. **Experimental study on control performance of tuned liquid column dampers considering different excitation directions**
ALTUNIŞIK A. C., Yetişken A., KAHYA V.
8th International Advanced Technologies Symposium, Elazığ, Turkey, 19 - 22 October 2017, pp.83-94
- LVIII. **Finite Element Model Updating Effect on Earthquake Behaviour of Masonry Structures**
ALTUNIŞIK A. C., GENÇ A. F., GÜNAYDIN M., Okur F. Y., ADANUR S.
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, 11 - 13 October 2017
- LIX. **Evaluation of Dynamic Response of Reinforced Concrete Buildings by Operational Modal Analysis Method**
ALTUNIŞIK A. C., Karahasan O. Ş., Okur F. Y., GENÇ A. F., GÜNAYDIN M., ADANUR S.
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- LX. **Zonguldak Ereğli İzmirlioğlu Huzurevi Performans Analizi Ve Güçlendirme Çalışmaları**
KARTAL M. E., COŞKAN S., ALTUNIŞIK A. C., ÇAPAR Ö. F., KARABULUT M.
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, 11 - 13 October 2017, pp.1-8
- LXI. **Titreşim kontrolünde sıvı sütunlu sönümleyicilerin deneysel değerlendirilmesi**
ALTUNIŞIK A. C., YETİSKEN A., KAHYA V.
II. International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.1619
- LXII. **Tarihi Yiğma Yapılarda Sonlu Eleman Model İyileştirmesi**
ALTUNIŞIK A. C., OKUR F. Y., GENÇ A. F., GÜNAYDIN M., ADANUR S.
Second International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.69
- LXIII. **Ambient Vibration Tests of Historical Masonry Buildings for Structural Condition Assessment**
ALTUNIŞIK A. C., GENÇ A. F., GÜNAYDIN M., Okur F. Y., Karahasan O. Ş., ADANUR S.
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- LXIV. **Analytical, numerical and experimental investigation of a box-sectional cantilever beam with multiple cracks**
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- LXV. **Analytical, numerical and experimantal investigation of a box-sectional cantilever beam with**

multiple cracks

ALTUNIŞIK A. C., OKUR F. Y., KAHYA V.

2nd International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 8 - 10 May 2017, pp.2131-2140

- LXVI. **Effects of Strand Configuration on Pretensioned I Girder**
ATMACA B., ATEŞ Ş., GÜNAYDIN M., ALTUNIŞIK A. C.
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ATMACA B., ATEŞ Ş., GÜNAYDIN M., ALTUNIŞIK A. C.
3rd International Conference on Computational and Experimental Science, 19 - 24 October 2016
- LXVIII. **Farklı Zemin Sınıflarının Tip 1 Kemer Barajının Deprem Davranışına Etkisi**
SEVİM B., ALTUNIŞIK A. C., GÜNAYDIN M., ADANUR S., AKKÖSE M., BAYRAKTAR A.
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- LXIX. **CONDITION ASSESSMENT OF STEEL ARCH BRIDGES BASED ON AMBIENT VIBRATION TESTING**
Bayraktar A., ALTUNIŞIK A. C., TÜRKER T.
8th International Conference on Arch Bridges, Wrocklaw, Poland, 5 - 07 October 2016, pp.1059-1068
- LXX. **Near Fault Ground Motion Pulse Effect on the Dynamic Behavior of Concrete Gravity Dam Reservoir Foundation Systems using Different Water Modelling Approachs**
ALTUNIŞIK A. C., SESLİ H., HÜSEM M., AKKÖSE M.
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.54
- LXXI. **Ambient Vibration Tests of an Arch Dam Model under Damaged and Strengthened Conditions**
ALTUNIŞIK A. C., GÜNAYDIN M., SEVİM B., BAYRAKTAR A., ADANUR S.
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- LXXII. **Near-fault Ground Motion Pulse Effects on the Dynamic Behavior of Concrete Gravity Dam-Reservoir-Foundation Systems using Different Water Modelling Approaches**
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ADVANCES IN CIVIL ENGINEERING, İstanbul, Turkey, 21 - 23 September 2016, vol.1, no.1, pp.1-8
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ALTUNIŞIK A. C., SESLİ H., HÜSEM M., AKKÖSE M.
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.54-64
- LXXIV. **Near-Fault Ground Motion Pulse Effects on The Dynamic Behavior of Concrete Gravity Dam-Reservoir-Foundation Systems Using Different Water Modelling Approaches**
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12th International Congress on Advances in Civil Engineering (ACE2016), İstanbul, Turkey, 21 - 23 September 2016, pp.1-11
- LXXV. **Finite Element Model Updating Limits for Structural Identification**
GÜNAYDIN M., ADANUR S., ALTUNIŞIK A. C., BAYRAKTAR A., SEVİM B.
12th International Congress on Advances in Civil Engineering (ACE2016), 21 - 23 September 2016
- LXXVI. **Restoration Effect on the Structural Behaviour of Historical Masonry Arch Bridges**
ALTUNIŞIK A. C., BAYRAKTAR A., GENÇ A. F.
Istanbul Bridge Conference 2016, İstanbul, Turkey, 8 - 10 August 2016, pp.47-57
- LXXVII. **Stationary and Transient Responses of Suspension Bridges to Spatially Varying Ground Motions**
ADANUR S., ALTUNIŞIK A. C., SOYLUK K., BAYRAKTAR A., DUMANOĞLU A. A.
Istanbul Bridge Conference 2016, İstanbul, Turkey, 8 - 10 August 2016, pp.17-27
- LXXVIII. **Time Dependent Structural Identification of Long Span Highway Bridges**
ALTUNIŞIK A. C., BAYRAKTAR A., SEVİM B.
Istanbul Bridge Conference 2016, İstanbul, Turkey, 8 - 10 August 2016, pp.52-62
- LXXIX. **Safety Assessment of Stone Arch Bridges using Micro and Macro Modeling Techniques Including Soil**

Interaction Effect

Bayraktar A., Genç A. F., Akbulut Y. E., Altunışık A. C.

Istanbul Bridge Conference 2016, İstanbul, Turkey, 8 - 10 August 2016, pp.36-46

- LXXX. **Hasarsız Deneysel Yöntemlerle Borçka Çelik Kemer Köprüsünün Restorasyon Öncesi Durum Tespiti**
BAYRAKTAR A., ALTUNIŞIK A. C., TÜRKER T.
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- LXXXI. **Hasarlı Tarihi Köprülerin Yapısal Davranışlarına Restorasyon Çalışmalarının Etkisi**
ALTUNIŞIK A. C., BAYRAKTAR A., GENÇ A. F.
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- LXXXII. **Lif Takviyeli Kompozit Asma Yaya Köprüsünün Yapısal Davranışının İncelenmesi Halgavor Asma Yaya Köprüsü**
GÜNAYDIN M., ADANUR S., ALTUNIŞIK A. C., SEVİM B.
3. Köprüler Viyadükler Sempozyumu, Turkey, 8 - 10 May 2015, no.1
- LXXXIII. **Hibrit ve Çelik Kablolü Köprülerin Dinamik Davranışlarının Karşılaştırılması**
GÜNAYDIN M., ADANUR S., ALTUNIŞIK A. C., AKKÖSE M.
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- LXXXIV. **Hasarlı Tarihi Köprülerin Yapısal Davranışlarına Restorasyon Çalışmalarının Etkisi**
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- LXXXV. **Köprülerde Kullanılan Kauçuk Mesnetlerin Hesap ve Tasarım Yazılımı**
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- LXXXVI. **Yapı Sağlığı İzleme Sistemlerinin Farklı Taşıyıcı Sistemli Uzun Açıklıklı Tarihi Köprülere Uygulanması**
BAYRAKTAR A., TÜRKER T., ALTUNIŞIK A. C.
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- LXXXVII. **HASARLI KEMER BARAJLARIN DİNAMİK KARAKTERİSTİKLERİNİN ZAMANA BAĞLI DEĞİŞİMLERİNİN DENEYSEL YÖNTEMLERLE BELİRLENMESİ**
BAYRAKTAR A., SEVİM B., ALTUNIŞIK A. C., ADANUR S., GÜNAYDIN M.
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- LXXXVIII. **Uzun Açıklıklı Betonarme Karayolu Köprülerinin Deprem Güvenliklerinin Hasarsız Dinamik Deneysel Yöntemlerle Belirlenmesi**
BAYRAKTAR A., ALTUNIŞIK A. C., TÜRKER T.
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- LXXXIX. **Dynamic behaviour of a cable stayed bridge using CFRP cables**
ADANUR S., GÜNAYDIN M., ALTUNIŞIK A. C., SEVİM B.
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- XCIII. **Yapım Aşamalarının Betonarme Binaların Yapısal Davranışına Etkisi**
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- XCIV. **Analitik Model Güncelleme Yöntemi Kullanılarak Köprülerin Hasar Tespiti**
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