

Prof. VOLKAN KAHYA

Personal Information

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Education Information

Post Doctorate, University of Illinois at Urbana-Champaign, Grainger College of Engineering, Department of Mechanical Science and Engineering, United States Of America 2015 - 2015

Post Doctorate, University of California, Irvine, Henry Samueli School of Engineering, Department of Civil and Environmental Engineering, United States Of America 2008 - 2009

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, Turkey 1997 - 2003

Post Graduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, Turkey 1994 - 1997

Under Graduate, Karadeniz Technical University, Mühendislik-Mimarlık Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 1990 - 1994

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, TÜBİTAK-2237 Fen Bilimlerinde Proje Yazma Eğitimi, Karadeniz Teknik Üniversitesi, 2014

Occupational Health and Safety, İSG Eğitici Sertifikası, Çalışma ve Sosyal Güvenlik Bakanlığı, 2013

Dissertations

Doctorate, İki tabakalı ortotrop elastik ortamda sürekli ve süreksiz deęme problemlerinin incelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, 2003

Post Graduate, Üst tarafından rijit olarak mesnetlenmiş elastik bir tabaka ile rijit bir blok arasındaki sürtünmesiz deęme problemi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, 1997

Research Areas

Mechanics of Solid Bodies, Civil Engineering, Mechanical, Structural Mechanics, Building Dynamics, Building Stability, Building materials, Composite materials, Mechanical Engineering, Mechanical, Fracture Mechanics, Finite Element Methods, Engineering and Technology

Academic Titles / Tasks

Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2019 - Continues
Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2013 - 2019
Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2006 - 2013
Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 1995 - 2006

Academic and Administrative Experience

Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2015 - Continues
Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2010 - 2014
Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2007 - 2009

Advising Theses

Kahya V., Değişken kesitli hasarlı kirişlerin serbest titreşimleri için bir sonlu eleman modeli, Post Graduate, S.DİLARA(Student), 2019
Kahya V., Kutu kesitli karayolu köprülerinde en kesit şeklinin dinamik davranışa etkisi, Post Graduate, S.BOSTAN(Student), 2019
Kahya V., Tabakalı Kirişlerin Statik, Serbest Titreşim ve Burkulma Analizleri için Bir Sonlu Eleman Modeli, Doctorate, M.Turan(Student), 2018
Kahya V., Yüksek Hızlı Tren Geçişleri Altındaki Köprülerde Rezonans Titreşimlerinin Ayarlı Kütle Sönümleyicilerle Azaltılması, Doctorate, O.Araz(Student), 2017
Kahya V., Çatlaklı Elastik Kirişlerin Dinamik Davranışlarının Analitik, Sayısal ve Deneysel Olarak İncelenmesi, Post Graduate, S.Karaca(Student), 2016
Kahya V., Elastik Zemine Oturan Sonsuz Uzun Elastik Kirişin Hareketli Yük Altında Dinamik Davranışı, Post Graduate, M.Turan(Student), 2012

Jury Memberships

Appointment Academic Staff, Dr. Öğretim Üyesi Atama Jürisi, Esenyurt Üniversitesi, September, 2019
Appointment Academic Staff, Doçent Dr. Atama Jürisi, Fırat Üniversitesi, June, 2019
Appointment Academic Staff, Dr. Öğretim Üyesi Atama Jürisi, Bayburt Üniversitesi, March, 2018
Appointment Academic Staff, Dr. Öğretim Üyesi Atama Jürisi, Gümüşhane Üniversitesi, December, 2017

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

- I. **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 (Journal Indexed in SCI)
- II. **Free vibration and buckling analysis of functionally graded sandwich beams by Navier's method**
Turan M., KAHYA V.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.2, pp.743-757, 2021 (Journal Indexed in SCI)
- III. **Free vibration analysis and damage localization in tapered beams with cracks using finite element method**
KAHYA V., ŞİMŞEK S., Gunes S. D.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.2, pp.841-854, 2021 (Journal Indexed in SCI)

- IV. **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 (Journal Indexed in SCI)
- V. **Series tuned mass dampers in vibration control of continuous railway bridges**
Araz O., KAHYA V.
STRUCTURAL ENGINEERING AND MECHANICS, vol.73, no.2, pp.133-141, 2020 (Journal Indexed in SCI)
- VI. **A simple design method for multiple tuned mass dampers in reduction of excessive vibrations of high-speed railway bridges**
KAHYA V., Araz O.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, no.2, pp.607-618, 2020 (Journal Indexed in SCI)
- VII. **Shear-deformable finite element for free vibrations of laminated composite beams with arbitrary lay-up**
KAHYA V., Karaca S., VO T. P.
STEEL AND COMPOSITE STRUCTURES, vol.33, no.4, pp.473-487, 2019 (Journal Indexed in SCI)
- VIII. **Annular Cylindrical Liquid Column Dampers for Control of Structural Vibrations**
ALTUNIŞIK A. C. , Yetişken A., KAHYA V.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING, vol.43, no.3, pp.479-490, 2019 (Journal Indexed in SCI)
- IX. **Free vibrations of laminated composite beams with multiple edge cracks: Numerical model and experimental validation**
KAHYA V., Karaca S., OKUR F. Y. , ALTUNIŞIK A. C. , ASLAN M.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.159, pp.30-42, 2019 (Journal Indexed in SCI)
- X. **Vibrations of a Box-Sectional Cantilever Timoshenko Beam with Multiple Cracks**
ALTUNIŞIK A. C. , OKUR F. Y. , KAHYA V.
INTERNATIONAL JOURNAL OF STEEL STRUCTURES, vol.19, no.2, pp.635-649, 2019 (Journal Indexed in SCI)
- XI. **Vibration-based damage detection in beam structures with multiple cracks: modal curvature vs. modal flexibility methods**
ALTUNIŞIK A. C. , OKUR F. Y. , Karaca S., KAHYA V.
NONDESTRUCTIVE TESTING AND EVALUATION, vol.34, no.1, pp.33-53, 2019 (Journal Indexed in SCI)
- XII. **Vibration and buckling of laminated beams by a multi-layer finite element model**
KAHYA V., Turan M.
STEEL AND COMPOSITE STRUCTURES, vol.28, no.4, pp.415-426, 2018 (Journal Indexed in SCI)
- XIII. **Vibration and stability analysis of functionally graded sandwich beams by a multi-layer finite element**
KAHYA V., Turan M.
COMPOSITES PART B-ENGINEERING, vol.146, pp.198-212, 2018 (Journal Indexed in SCI)
- XIV. **Experimental study on control performance of tuned liquid column dampers considering different excitation directions**
ALTUNIŞIK A. C. , YETISKEN A., KAHYA V.
MECHANICAL SYSTEMS AND SIGNAL PROCESSING, vol.102, pp.59-71, 2018 (Journal Indexed in SCI)
- XV. **Stress intensity factors for cracked elastic beams subjected to moving loads**
KAHYA V., Karaca S.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.33, no.4, pp.1309-1319, 2018 (Journal Indexed in SCI)
- XVI. **Plane receding contact problem for a functionally graded layer supported by two quarter-planes**
ÇÖMEZ İ., KAHYA V., Erdol R.
ARCHIVES OF MECHANICS, vol.70, no.6, pp.485-504, 2018 (Journal Indexed in SCI)

- XVII. Automated model updating of multiple cracked cantilever beams for damage detection**
ALTUNIŞIK A. C. , OKUR F. Y. , KAHYA V.
Journal of Constructional Steel Research, vol.138, pp.499-512, 2017 (Journal Indexed in SCI)
- XVIII. Bending of Laminated Composite Beams by a Multi-Layer Finite Element Based on a Higher-Order Theory**
KAHYA V., TURAN M.
ACTA PHYSICA POLONICA A, vol.132, no.3, pp.473-475, 2017 (Journal Indexed in SCI)
- XIX. Structural identification of a cantilever beam with multiple cracks: Modeling and validation**
Altumsik A. C. , OKUR F. Y. , KAHYA V.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.130, pp.74-89, 2017 (Journal Indexed in SCI)
- XX. Modal parameter identification and vibration based damage detection of a multiple cracked cantilever beam**
ALTUNIŞIK A. C. , OKUR F. Y. , KAHYA V.
ENGINEERING FAILURE ANALYSIS, vol.79, pp.154-170, 2017 (Journal Indexed in SCI)
- XXI. Series tuned mass dampers in train-induced vibration control of railway bridges**
KAHYA V., Araz O.
STRUCTURAL ENGINEERING AND MECHANICS, vol.61, no.4, pp.453-461, 2017 (Journal Indexed in SCI)
- XXII. Finite element model for vibration and buckling of functionally graded beams based on the first-order shear deformation theory**
KAHYA V., TURAN M.
COMPOSITES PART B-ENGINEERING, vol.109, pp.108-115, 2017 (Journal Indexed in SCI)
- XXIII. Receding contact problem for two-layer functionally graded media indented by a rigid punch**
ÇÖMEZ İ., El-Borgi S., KAHYA V., Erdol R.
ACTA MECHANICA, vol.227, no.9, pp.2493-2504, 2016 (Journal Indexed in SCI)
- XXIV. Axisymmetric analysis of a functionally graded layer resting on elastic substrate**
TURAN M., ADIYAMAN G., KAHYA V., BİRİNCİ A.
STRUCTURAL ENGINEERING AND MECHANICS, vol.58, no.3, pp.423-442, 2016 (Journal Indexed in SCI)
- XXV. Buckling analysis of laminated composite and sandwich beams by the finite element method**
KAHYA V.
COMPOSITES PART B-ENGINEERING, vol.91, pp.126-134, 2016 (Journal Indexed in SCI)
- XXVI. Damages on reinforced concrete buildings due to consecutive earthquakes in Van**
ATEŞ Ş., KAHYA V., Yurdakul M., ADANUR S.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.53, pp.109-118, 2013 (Journal Indexed in SCI)
- XXVII. Finite element dynamic analysis of laminated composite beams under moving loads**
Kahya V.
STRUCTURAL ENGINEERING AND MECHANICS, vol.42, no.5, pp.729-745, 2012 (Journal Indexed in SCI)
- XXVIII. Dynamic analysis of laminated composite beams under moving loads using finite element method**
Kahya V.
NUCLEAR ENGINEERING AND DESIGN, vol.243, pp.41-48, 2012 (Journal Indexed in SCI)
- XXIX. A receding contact problem for an anisotropic elastic medium consisting of a layer and a half plane**
Kahya V., Ozsahin T. S. , Birinci A., Erdol R.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, vol.44, no.17, pp.5695-5710, 2007 (Journal Indexed in SCI)
- XXX. Partial closure of a crack located in an anisotropic infinite elastic layer**
Kahya V., Birinci A., Ozsahin T. S. , Erdol R.
EUROPEAN JOURNAL OF MECHANICS A-SOLIDS, vol.25, no.5, pp.819-833, 2006 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. Use of trigonometric series functions in free vibration analysis of laminated composite beams

- Turan M., Kahya V.
Challenge Journal of Structural Mechanics, vol.6, no.2, pp.61-67, 2020 (Other Refereed National Journals)
- II. **A SEQUENTIAL APPROACH BASED DESIGN OF MULTIPLE TUNED MASS DAMPERS UNDER HARMONIC EXCITATION**
KAHYA V., ARAZ O.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.37, no.1, pp.225-239, 2019 (Journal Indexed in ESCI)
- III. **Effects of manufacturing type on control performance of multiple tuned mass dampers under harmonic excitation**
KAHYA V., ARAZ O.
Journal of Structural Engineering & Applied Mechanics, vol.1, no.3, pp.117-127, 2018 (Refereed Journals of Other Institutions)
- IV. **Free Vibration of Cracked Cantilever Beams: Analytical and Experimental Modelling**
KAHYA V., ŞİMŞEK S.
Fırat University Turkish Journal of Science & Technology, vol.13, no.1, pp.1-7, 2018 (National Refreed University Journal)
- V. **Fonksiyonel Derecelendirilmiş Kirişlerin Navier Methodu ile Serbest Titreşim Analizi**
TURAN M., KAHYA V.
KARADENİZ FEN BİLİMLERİ DERGİSİ, 2018 (Refereed Journals of Other Institutions)
- VI. **Dynamic analysis of pre-stressed elastic beams under moving mass using different beam models**
KAHYA V.
CHALLENGE JOURNAL OF STRUCTURAL MECHANICS, vol.1, no.3, pp.106-116, 2015 (Refereed Journals of Other Institutions)
- VII. **RESONANT VIBRATIONS OF TWO-SPAN RAILWAY BRIDGES UNDER HIGH-SPEED TRAINS**
KAHYA V., ARAZ O., TURAN M.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.33, no.2, pp.188-199, 2015 (Journal Indexed in ESCI)
- VIII. **Dynamic analysis of composite sandwich beams under moving mass**
KAHYA V., Mosallam A.
Kahramanmaraş Sütçü İmam Üniversitesi Mühendislik Bilimleri Dergisi, vol.14, no.1, pp.18-25, 2011 (National Refreed University Journal)
- IX. **Contact Problem for an Elastic Layered Composite Resting on Rigid Flat Supports**
ÖZŞAHİN T. Ş., KAHYA V., BİRİNCİ A., ÇAKIROĞLU A. O.
International Journal of Civil and Environmental Engineering, vol.1, no.1, pp.21-26, 2007 (Refereed Journals of Other Institutions)
- X. **Frictionless Contact Problem between two Orthotropic Elastic Layers**
KAHYA V., BİRİNCİ A., Erdol R.
International Journal of Civil and Environmental Engineering, vol.1, no.1, pp.21-26, 2007 (Refereed Journals of Other Institutions)
- XI. **Frictionless Contact Problem between an Elastic Layer Bonded to a Rigid Support and a Rigid Stamp**
Kahya V., Birinci A., Erdol R.
MATHEMATICAL AND COMPUTATIONAL APPLICATIONS, vol.6, no.1, pp.13-22, 2001 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Solutions to plane elasto-static contact problems of anisotropic media**
KAHYA V.
Scholars' Press, Köln, 2015
- II. **Burulma**

KAHYA V.

in: MUKAVEMET, Ekmekyapar T., Özakça M. , Editor, Nobel Akademik Yayıncılık Eğitim Danışmanlık Tic. Ltd. Şti., Ankara, pp.169-231, 2014

Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **Use of Trigonometric Series Functions in Free Vibration Analysis of Laminated Composite Beams**
TURAN M., KAHYA V.
3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, pp.951-958
- III. **Buckling Analysis of Laminated Composite Beams by Navier Method**
TURAN M., KAHYA V.
3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, pp.959-966
- IV. **HASARLI KONİK KIRIŞLARIN SERBEST TİTREŞİM ANALİZİ İÇİN BİR SONLU ELEMAN MODELİ**
KAHYA V., Güneş S. D. , ŞİMŞEK S.
TUMTMK 21. Ulusal Mekanik Kongresi, Turkey, 2 - 06 September 2019
- V. **Optimum Non-Traditional Tuned Mass Dampers for Harmonically Excited Undamped System**
ARAZ O., KAHYA V.
3rd International Conference on Advanced Engineering Technologies, 19 - 21 September 2019
- VI. **Non-Traditional Tuned Mass Dampers for Harmonically Excited Damped System**
ARAZ O., KAHYA V.
3rd International Conference on Advanced Engineering Technologies, 19 - 21 September 2019
- VII. **HASARLI KONİK KIRIŞLARIN SERBEST TİTREŞİM ANALİZLERİ İÇİN BİR SONLU ELEMAN MODELİ**
KAHYA V., Güneş S. D. , ŞİMŞEK S.
TUMTMK 21. ULUSAL MEKANİK KONGRESİ, Niğde, Turkey, 2 - 06 September 2019, pp.887-897
- VIII. **Performance assessment of multiple tuned mass dampers in vibration control of continuous railway bridges**
KAHYA V., ARAZ O.
International Civil Engineering & Architecture Conference (ICEARC 2019), Trabzon, Turkey, 17 - 20 April 2019, pp.936-943
- IX. **Multilayered finite element for free vibration analysis of functionally graded sandwich beams**
KAHYA V., Turan M.
International Civil Engineering & Architecture Conference (ICEARC 2019), Trabzon, Turkey, 17 - 20 April 2019, pp.908-918
- X. **Free vibrations of laminated composite beams with arbitrary lay-up using finite element method**
KAHYA V., ŞİMŞEK S., Vo T. P.
International Civil Engineering & Architecture Conference (ICEARC 2019), Trabzon, Turkey, 17 - 20 April 2019, pp.976-989
- XI. **Determination of impact factor for single-span railway bridges**
KAHYA V., ARAZ O.
International Civil Engineering & Architecture Conference (ICEARC 2019), Trabzon, Turkey, 17 - 20 April 2019, pp.919-927
- XII. **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, Antalya, Turkey, 14 - 16 November 2018, pp.70-91

- XIII. **Finite Element Model for Free Vibration Analysis of Tapered Elastic Beams with Multiple Cracks**
KAHYA V., Güneş S. D. , ŞİMŞEK S.
International Congress on Engineering and Architecture, Antalya, Turkey, 14 - 16 November 2018, pp.59-69
- XIV. **Finite Element for Free Vibration Analysis of Tapered Beams**
KAHYA V., Güneş S. D. , ŞİMŞEK S.
International Conference on Innovative Engineering Applications, Sivas, Turkey, 20 - 22 September 2018
- XV. **A Finite Element for Free Vibration Analysis of Tapered Beams**
KAHYA V., Güneş S. D. , ŞİMŞEK S.
International Conference on Innovative Engineering Applications, Sivas, Turkey, 20 - 22 September 2018, pp.286-292
- XVI. **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
- XVII. **Dynamic response of a Timoshenko beam subjected to a series of moving loads**
KAHYA V.
ASCE 5th International Engineering and Construction Conference (IECC'5), Irvine, Scotland, 27 - 29 August 2008, pp.59-68
- XVIII. **Optimum Design of Tuned Mass Damper with Consideration of Stroke**
ARAZ O., KAHYA V.
International Conference on Innovative Engineering Applications, Giresun, Turkey, 27 - 29 June 2018, pp.602
- XIX. **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
- XX. **Optimization of Tuned Mass Dampers Using Pattern Search Algorithm**
ARAZ O., KAHYA V.
International Technological Sciences and Design Symposium, Giresun, Turkey, 27 - 29 June 2018, pp.1609-1619
- XXI. **Free Vibration Analysis of Functionally Graded Beams by Navier Method**
Turan M., KAHYA V.
International Technological Sciences and Design Symposium, Giresun, Turkey, 27 - 29 June 2018, pp.597
- XXII. **Damage Localization in Steel Cantilever Beams with Multiple Cracks Using Modal Characteristics**
KAHYA V., ŞİMŞEK S.
World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium, Prag, Czech Republic, 18 - 22 June 2018
- XXIII. **Finite Element Model for Anisotropic Laminated Composite Beams**
ŞİMŞEK S., KAHYA V.
World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium, Prag, Czech Republic, 18 - 22 June 2018
- XXIV. **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
- XXV. **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
- XXVI. **Tabakalı kompozit kirişlerin Navier metoduyla statik analizi**
TURAN M., KAHYA V.
II. International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.1454
- XXVII. **Tabakalı kompozit kirişlerin sonlu elemanlar metoduyla statik analizi**
TURAN M., KAHYA V.

- II. International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.1358
- XXVIII. **Titreşim kontrolünde sıvı sütunlu sönümleyicilerin deneysel değerlendirilmesi**
ALTUNIŞIK A. C. , YETISKEN A., KAHYA V.
II. International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.1619
- XXIX. **Demiryolu köprülerinin titreşim kontrolünde ayarlı kütle sönümleyiciler için yeni bir tasarım**
ARAZ O., KAHYA V.
II. International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.1595
- XXX. **Fonksiyonel dereceli kirişlerin sonlu elemanlar metoduyla statik analizi**
TURAN M., KAHYA V.
20. Ulusal Mekanik Kongresi, Bursa, Turkey, 5 - 09 September 2017, pp.562-569
- XXXI. **A FINITE ELEMENT MODEL FOR ANISOTROPIC LAMINATED COMPOSITE BEAMS**
ŞİMŞEK S., KAHYA V.
World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium, Prag, Czech Republic, 12 - 16 June 2017, pp.368
- XXXII. **Free vibration and buckling analysis of functionally graded beams by finite element method**
KAHYA V., Turan M.
International Conference on Advances and Innovations in Engineering, Elazığ, Turkey, 10 - 12 May 2017, pp.701-706
- XXXIII. **Optimal design of multiple tuned mass dampers based on Den Hartog'xxs method**
KAHYA V., ARAZ O.
International Conference on Advances and Innovations in Engineering, 10 - 12 May 2017
- XXXIV. **Free vibration of cracked cantilever beams: Analytical and experimental modelling**
KAHYA V., KARACA S.
International Conference on Advances and Innovations in Engineering, Elazığ, Turkey, 10 - 12 May 2017, pp.695-700
- XXXV. **Optimal design of multiple tuned mass dampers based on Den Hartog's method**
KAHYA V., ARAZ O.
International Conference on Advances and Innovations in Engineering, Elazığ, Turkey, 10 - 12 May 2017, pp.690-694
- XXXVI. **Analytical, numerical and experimental investigation of a box-sectional cantilever beam with multiple cracks**
ALTUNIŞIK A. C. , Okur F. Y. , KAHYA V.
ICOCEE - Cappadocia 2017, 8 - 10 May 2017
- XXXVII. **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
- XXXVIII. **Bending of laminated composite beams by a multi-layer finite element based on a higher-order theory**
Turan M., KAHYA V.
3rd International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 19 - 24 October 2016, pp.299
- XXXIX. **Vibration and buckling of laminated composite and sandwich beams with a shear-deformable layered finite element**
KAHYA V.
6th International Conference on Structural Engineering, Mechanics and Computation, SEMC 2016, Cape-Town, South Africa, 5 - 07 September 2016, pp.897-904

- XL. Series multiple tuned mass dampers for vibration control of high-speed railway bridges**
KAHYA V., ARAZ O.
6th International Conference on Structural Engineering, Mechanics and Computation, SEMC 2016, Cape-Town, South Africa, 5 - 07 September 2016, pp.143-148
- XLI. Tabakalı kompozit kirişlerin sonlu elemanlar metoduyla statik, dinamik ve stabilite analizleri**
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