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Education Information

Doctorate, İstanbul Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği Bölümü, Turkey 1994 - 2009

Post Graduate, İstanbul Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği Bölümü, Turkey 1991 - 1994

Under Graduate, İstanbul Teknik Üniversitesi, Sakarya Müh. Fakültesi, Makine Mühendisliği, Turkey 1987 - 1991

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Hareketli yükler altındaki köprü kren kirişlerinin dinamik (mukavemet) analizi, İstanbul Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği Bölümü, 2009

Post Graduate, Sonlu elemanlar yöntemi kullanılarak bilgisayar yardımıyla millerin analizi ve tasarımı, İstanbul Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği Bölümü, 1994

Academic Titles / Tasks

Associate Professor, Karabük Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2017 - Continues

Assistant Professor, Karabük Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2009 - 2017

Professional Experience

Head of Department, Karabük Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2014 - Continues

Head of Department, Karabük Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2011 - Continues

Director of Vocational School, Karabük Üniversitesi, Türkiye Odalar Ve Borsalar Birliği Teknik Bilimler Meslek Yüksekokulu, 2017 - 2017

Head of Department, Karabük Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2011 - 2013

Courses

İLERİ DİNAMİK, Post Graduate, 2016 - 2017

MEKANİZMA TEKNİĞİ, Under Graduate, 2016 - 2017

DYNAMICS OF MACHINERY, Under Graduate, 2016 - 2017

MEKANİK SİSTEMLER DİNAMİĞİ, Post Graduate, 2016 - 2017

MATLAB İLE SONLU ELAMANLAR YÖNTEMİ, Post Graduate, 2016 - 2017

MECANISM, Under Graduate, 2016 - 2017

Makina Dinamiği, Under Graduate, 2016 - 2017

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

- I. **Response of a micro-capillary system exposed to a moving mass in magnetic field using nonlocal strain gradient theory**
ESEN İ.
International Journal of Mechanical Sciences, vol.188, 2020 (Journal Indexed in SCI Expanded)
- II. **Dynamics of size-dependant Timoshenko micro beams subjected to moving loads**
ESEN İ.
International Journal of Mechanical Sciences, vol.175, 2020 (Journal Indexed in SCI Expanded)
- III. **Modelling the dynamics of a nanocapillary system with a moving mass using the non-local strain gradient theory**
ÖZARPA C., ESEN İ.
Mathematical Methods in the Applied Sciences, 2020 (Journal Indexed in SCI Expanded)
- IV. **Dynamic response of functional graded Timoshenko beams in a thermal environment subjected to an accelerating load**
ESEN İ.
EUROPEAN JOURNAL OF MECHANICS A-SOLIDS, vol.78, 2019 (Journal Indexed in SCI)
- V. **Dynamic response of a functionally graded Timoshenko beam on two-parameter elastic foundations due to a variable velocity moving mass**
ESEN İ.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.153, pp.21-35, 2019 (Journal Indexed in SCI)
- VI. **Dynamic analysis of gun barrel vibrations due to effect of an unbalanced projectile considering 2-D transverse displacements of barrel tip using a 3-D element technique**
KOÇ M. A. , ESEN İ., ÇAY Y.
LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES, vol.15, 2018 (Journal Indexed in SCI)
- VII. **Finite element formulation and analysis of a functionally graded Timoshenko beam subjected to an accelerating mass including inertial effects of the mass**
ESEN İ., KOÇ M. A. , ÇAY Y.
LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES, vol.15, 2018 (Journal Indexed in SCI)
- VIII. **Modelling and analysis of vehicle-structure-road coupled interaction considering structural flexibility, vehicle parameters and road roughness**
KOÇ M. A. , ESEN İ.
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.31, pp.2057-2074, 2017 (Journal Indexed in SCI)
- IX. **The optimisation of rail vehicle bogie parameters with the fuzzy logic method in order to improve passenger comfort during passage over bridges**
MIZRAK C., ESEN İ.
INTERNATIONAL JOURNAL OF HEAVY VEHICLE SYSTEMS, vol.24, pp.113-139, 2017 (Journal Indexed in SCI)
- X. **A Modified FEM for Transverse and Lateral Vibration Analysis of Thin Beams Under a Mass Moving with a Variable Acceleration**
ESEN İ.
LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES, vol.14, pp.485-511, 2017 (Journal Indexed in SCI)
- XI. **Tip Deflection Determination of a Barrel for the Effect of an Accelerating Projectile Before Firing Using Finite Element and Artificial Neural Network Combined Algorithm**
KOÇ M. A. , ESEN İ., ÇAY Y.
LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES, vol.13, pp.1968-1995, 2016 (Journal Indexed in SCI)
- XII. **Creep modelling of polypropylenes using artificial neural networks trained with Bee algorithms**
DÜĞENCİ M., Aydemir A., ESEN İ., Aydın M. E.

- ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.45, pp.71-79, 2015 (Journal Indexed in SCI)
- XIII. **Optimization of a passive vibration absorber for a barrel using the genetic algorithm**
ESEN İ., KOÇ M. A.
EXPERT SYSTEMS WITH APPLICATIONS, vol.42, pp.894-905, 2015 (Journal Indexed in SCI)
- XIV. **Dynamic response of a 120 mm smoothbore tank barrel during horizontal and inclined firing positions**
ESEN İ., KOÇ M. A.
LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES, vol.12, pp.1462-1486, 2015 (Journal Indexed in SCI)
- XV. **Determining Effects of Wagon Mass and Vehicle Velocity on Vertical Vibrations of a Rail Vehicle Moving with a Constant Acceleration on a Bridge Using Experimental and Numerical Methods**
Mizrak C., Esen İ.
Shock and Vibration, vol.2015, 2015 (Journal Indexed in SCI Expanded)
- XVI. **A new FEM procedure for transverse and longitudinal vibration analysis of thin rectangular plates subjected to a variable velocity moving load along an arbitrary trajectory**
Esen I.
LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES, vol.12, pp.808-830, 2015 (Journal Indexed in SCI)
- XVII. **Artificial neural network application for modeling the rail rolling process**
ALTINKAYA H., ORAK İ. M. , ESEN İ.
EXPERT SYSTEMS WITH APPLICATIONS, vol.41, pp.7135-7146, 2014 (Journal Indexed in SCI)
- XVIII. **A new finite element for transverse vibration of rectangular thin plates under a moving mass**
Esen I.
FINITE ELEMENTS IN ANALYSIS AND DESIGN, vol.66, pp.26-35, 2013 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Dynamic Behavior and Force Analysis of the Full Vehicle Model using Newmark Average Acceleration Method**
YILDIRIM E., ESEN İ.
Engineering, Technology Applied Science Research, vol.10, pp.5330-5339, 2020 (Refereed Journals of Other Institutions)
- II. **Modeling and Validation of 2-DOF Rail Vehicle Model Based on Electro-Mechanical Analogy Theory Using Theoretical and Experimental Methods**
PEHLİVAN F., MIZRAK C., ESEN İ.
ENGINEERING TECHNOLOGY & APPLIED SCIENCE RESEARCH, vol.8, pp.3603-3608, 2018 (Journal Indexed in ESCI)
- III. **SONLU ELEMENLAR YÖNTEMİ KULLANARAK DEMİRYOLU BOJİLERİNİN TİTREŞİM ANALİZİ**
EROĞLU M., ESEN İ., KOÇ M. A.
İleri Teknoloji Bilimleri Dergisi, vol.7, pp.60-67, 2018 (Refereed Journals of Other Institutions)
- IV. **Dynamic Analysis of Flexible Structures Under The Influence of Moving Multiple Vehicles**
KOÇ M. A. , ESEN İ., EROĞLU M., ÇAY Y., ÇERLEK Ö.
El-Cezerî Journal of Science and Engineering, vol.5, pp.176-181, 2018 (Other Refereed National Journals)
- V. **Vibration Suppression of Vehicle-Bridge-Interaction System using Multiple Tuned Mass Dampers**
KOÇ M. A. , ESEN İ., ÇAY Y., KESERCİOĞLU M. A. , ÇERLEK Ö., KILIÇ R., DAL H., EROĞLU M.
International Journal of Modern Research in Engineering and Technology, vol.2, pp.1-8, 2017 (Refereed Journals of Other Institutions)
- VI. **Solution of the Moving Oscillator Problem using the Newmark s Method**
KOÇ M. A. , ESEN İ., DAL H.
International Journal of Innovative Research in Science, Engineering and Technology, vol.5, pp.16-23, 2016 (Refereed Journals of Other Institutions)
- VII. **Ev Tipi Çamaşır Makinasında Titreşim Analizi**

ESEN İ., TACİR İ.

Düzce University Journal of Science and Technology, vol.4, pp.443-452, 2016 (Refereed Journals of Other Institutions)

VIII. Dynamic Response of a Beam Due to an Accelerating Moving Mass Using Moving Finite Element Approximation

ESEN İ.

Mathematical and Computational Applications, vol.16, pp.171-182, 2011 (Refereed Journals of Other Institutions)

IX. Y32 BOJİ GÖVDESİNİN STATİK VE DİNAMİK YÜKLEME ANALİZLERİ

ESEN İ., MIZRAK C.

International Journal of Engineering Science and Thecnology, vol.14, pp.123-128, 2011 (Other Refereed National Journals)

X. Y32 Boji Gövdesinin Statik ve Dinamik Yükleme Analizleri

ESEN İ., MIZRAK C.

JESTECH, vol.14, pp.123-128, 2011 (Refereed Journals of Other Institutions)

XI. Hareketli yükler altındaki köprülü kren kirişlerinin dinamik davranışı

ESEN İ.

ITU Journal Series D, vol.9, pp.145-156, 2010 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Paslanmaz Çelik Matrisli Fonksiyonel Derecelendirilmiş Malzeme Üretimi ve Karakterizasyonu**
Özusta B., Akgül Y., Ahlatcı H., Yaşın S., Esen İ., Sun Y., Türen Y.
UDCS'19 Fourth International Iron and Steel Symposium, Karabük, Turkey, 4 - 06 April 2019
- II. **Ray Düzgünlüğünün Çeyrek Raylı Araç Dinamik Cevabına Etkisinin Matlab/Simulink ile İncelenmesi**
EROĞLU M., KOÇ M. A. , ESEN İ., KOZAN R.
3rd International Engineering Research Symposium, 5 - 07 September 2019
- III. **ÇEYREK ARAÇ MODELİNDE İKİNCİL SÜSPANSİYONUN YOLCU KONFORUNA ve ARAÇ SÜRÜŞÜNE OLAN ETKİSİ**
YILDIRIM E., ESEN İ.
19. ULUSAL MAKİNE TEORİSİ SEMPOZYUMU, İskenderun/HATAY, Turkey, 4 - 06 September 2019, pp.370-378
- IV. **Investigation of Dynamic Behavior of Quarter Car Model with Mechanical-Electrical Analogy Theory and Validation Using Adams Software**
PEHLİVAN F., AKTAŞ K. G. , ESEN İ., MIZRAK C.
III. International Scientific and Vocational Studies Congress – Engineering, 27 - 30 June 2019
- V. **Kinematic Analysis and Adams/Matlab Co-Simulation of 6 Axis Puma Type Robotic Arm**
AKTAŞ K. G. , PEHLİVAN F., ESEN İ., MIZRAK C.
International Scientific and Vocational Studies Congress – Engineering, 27 - 30 June 2019
- VI. **Paslanmaz Çelik Matrisli Fonksiyonel Derecelendirilmiş Malzeme Üretimi ve Karakterizasyonu**
ÖZUSTA B., AKGÜL Y., AHLATCI H., YAŞIN S., ESEN İ., SUN Y., TÜREN Y.
UDCS'xx19 Fourth International Iron and Steel Symposium, 4-6 April, Karabuk, 4 - 06 April 2019
- VII. **TÜRKİYE'DE ÜRETİLEN İLK R350HT KALİTE RAYLARINKAREKTERİZASYONU VE SERVİŞ ŞARTLARINDAKİ BAŞARISI**
AHLATCI H., SUN Y., ESEN İ., TURAN M. E. , ÖZÇELİK S., Tozlu İ.
4. Uluslararası Raylı Sistemler Mühendisliği Sempozyumu (ISERSE'18), 10 - 12 October 2018
- VIII. **TÜRKİYE'DE ÜRETİLEN İLK R350HT KALİTE RAYLARIN KAREKTERİZASYONU VE SERVİS ŞARTLARINDAKİ BAŞARISI**
AHLATCI H., SUN Y., ESEN İ., TURAN M. E. , ÖZÇELİK S., TOZLU İ.
4. Uluslararası Raylı Sistemler Mühendisliği Sempozyumu (ISERSE'18), 10 - 12 October 2018
- IX. **Türkiye'de üretilen ilk R350Ht kalite rayların karekterizasyonu ve servis şartlarındaki başarısı**

AHLATCI H., SUN Y., ESEN İ., TÜREN Y., ÖZÇELİK S., TOZLU İ.

4. Uluslararası Raylı Sistemler Mühendisliği Sempozyumu (ISERSE'18), Karabük, Turkey, 10 - 12 October 2018

- X. **A NUMERICAL METHOD FOR VEHICLE-BRIDGE INTERACTION CONSIDERING SUDDEN ACCELERATION AND DECELERATION OF THE CAR**
KOÇ M. A. , EROĞLU M., ESEN İ.
4th International Symposium on Railway Systems Engineering, 13 - 15 September 2018
- XI. **Dynamical Analysis of the contact forces for high speed train which moving on the flexible structures**
KOÇ M. A. , EROĞLU M., ESEN İ.
4th International Symposium on Railway Systems Engineering (, 13 - 15 September 2018
- XII. **PREDICTING THE DYNAMIC BEHAVIORS OF THE RAILWAY VEHICLE USING THE FINITE ELEMENT METHOD AND FUZZY LOGIC**
EROĞLU M., KOÇ M. A. , ESEN İ., ADAR N. G.
4th International Symposium on Railway Systems Engineering, 10 - 12 October 2018
- XIII. **VERTICAL VIBRATION ANALYSIS OF 2 DEGREE OF FREEDOM RAIL VEHICLE MODEL IN MATLAB-SIMULINK AND MSC-ADAMS**
AKTAŞ K. G. , PEHLİVAN F., ESEN İ., MIZRAK C.
International Symposium on Railway Systems Engineering (ISERSE'18), Karabük, Turkey, 10 - 12 October 2018, pp.694-698
- XIV. **VERTICAL VIBRATION ANALYSIS OF 2 DEGREE OF FREEDOM RAIL VEHICLE MODEL USING SOLIDWORKS MOTION INTERFACE**
PEHLİVAN F., AKTAŞ K. G. , ESEN İ., MIZRAK C.
4th International Symposium on Railway Systems Engineering, Karabük, Turkey, 10 - 12 October 2018, pp.686-693
- XV. **Using Newmark Beta Method For Quarter Car Analysis**
YILDIRIM E., ESEN İ.
IV INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES (ICENS)02-06 MAY 2018, UKRAINE, 2 - 06 May 2018, pp.798-806
- XVI. **SONLU ELEMENLAR YÖNTEMİ KULLANARAK DEMİRYOLU BOJİLERİNİN TİTREŞİM ANALİZİ**
EROĞLU M., ESEN İ., KOÇ M. A.
INTERNATIONAL ENGINEERING RESEARCH SYMPOSIUM 2017, 11 - 13 September 2017
- XVII. **A Numerical and Experimental Study for Dynamic Analysis of Flexible Structures under Moving Trains**
KOÇ M. A. , ESEN İ., ÇAY Y., EROĞLU M., KESERCİOĞLU M. A. , ÇERLEK Ö., DAL H., KILIÇ R.
4th INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING, 4 - 08 October 2017
- XVIII. **DYNAMIC ANALYSIS OF FLEXIBLE STRUCTURES UNDER THE INFLUENCE OF MOVING MULTIPLE VEHICLES**
KOÇ M. A. , ESEN İ., EROĞLU M., ÇAY Y., ÇERLEK Ö.
INTERNATIONAL ENGINEERING RESEARCH SYMPOSIUM 2017, 11 - 13 September 2017
- XIX. **Numerical Analysis of Dynamical Contact Forces Due to Interaction of Moving Vehicles and Flexible Structures**
KOÇ M. A. , ÇAY Y., ESEN İ., KILIÇ R., DAL H., ÇERLEK Ö., KESERCİOĞLU M. A.
5th International Symposium on Innovative Technologies in Engineering and Science 29-30 September 2017, 29 - 30 September 2017
- XX. **4 Serbestlik Dereceli Bir Robot Kolun Kinematik analizi ve ADAMS- MATLAB Yazılımları Kullanılarak Eş Zamanlı Yörünge Takibi**
AKTAŞ K. G. , PEHLİVAN F., ESEN İ.
I. International Scientific and Vocational Studies Congress, 5 - 08 October 2017
- XXI. **Yay Direngenlik ve Damper Sönüm Katsayılarının Yatay Eksenli Bir Çamaşır Makinesinin Titreşim Karakteristiğine Etkisinin İncelenmesi**
AKTAŞ K. G. , ESEN İ.

I. International Scientific and Vocational Studies Congress, Nevşehir/Ürgüp, Turkey, 5 - 08 October 2017

- XXII. **Yatay Eksenli Bir Çamaşır Makinesinin Dinamik Modellenmesi Ve Titreşim Karakteristiklerinin Belirlenmesi**
AKTAŞ K. G. , ESEN İ., PEHLİVAN F.
18. Ulusal Makina Teorisi Sempozyumu, Trabzon, Turkey, 5 - 07 July 2017, pp.333-342
- XXIII. **The Numerical Simulation of the Fatigue Analysis of UIC60 and 49E1 Rails for High Speed Moving Trains**
ESEN İ., KOÇ M. A. , EROĞLU M., ÇAY Y.
The Third International Iron and Steel Symposium (IISS'17), 3 - 05 April 2017
- XXIV. **Vehicle Bridge Interaction Analysis Using Half Car Model**
KOÇ M. A. , KESERCİOĞLU M. A. , ESEN İ., ÇAY Y.
ISITES2016 4rd INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE, ALANYA, Turkey, 3 - 05 November 2016, pp.571-581
- XXV. **DETERMINING EFFECTS OF FLEXIBLE STRUCTURE AND NON RANDOM ROAD IRREGULARITY ON PASSENGERCOMFORT USING A QUARTER CAR MODEL**
KOÇ M. A. , ESEN İ.
3rd International Conference on Advanced Technology & Sciences (ICAT'16), Konya, Turkey, 1 - 03 September 2016, pp.1413-1417
- XXVI. **TCDD Karabük Bolkuş Demiryolu Hattında 49E1 Kalite Raylarda Aşınma Davranışı**
ÖZÇELİK S., AHLATCI H., SUN Y., ESEN İ., EROĞLU M., TURAN M. E. , TÜREN Y., Yürekli Y.
3. Uluslararası Raylı Sistemler Mühendisliği Sempozyumu, 13-15 Ekim 2016, Karabük Üniversitesi, Türkiye., 13 - 15 October 2016
- XXVII. **TCDD Karabük Bolkuş Demiryolu Hattında 49E1 Kalite Raylarda Ondülasyon Ölçümleri ve Değerlendirilmesi**
EROĞLU M., ESEN İ., AHLATCI H., ÖZÇELİK S., SUN Y., PAMUK S.
3. Uluslararası Raylı Sistemler Mühendisliği Sempozyumu, 13-15 Ekim 2016, Karabük Üniversitesi, Türkiye., 13 - 15 October 2016
- XXVIII. **TCDD KARABÜK BOLKUŞ DEMİR YOLU HATTINDA 49E1 KAL TE RAYLARDA AŞINMA DAVRANIŞI**
ÖZÇELİK S., AHLATCI H., SUN Y., ESEN İ., EROĞLU M., TURAN M. E. , TÜREN Y., TOZLU İ., YÜREKLİ Y.
3rd International Symposium on Railway Systems Engineering (ISERSE'16), October 13-15, 2016, Karabuk, Turkey, Karabük, Turkey, 13 - 15 October 2016, pp.508-512
- XXIX. **INFLUENCE OF TRAIN MASS ON VERTICAL VIBRATION BEHAVIOUR OF RAILWAY VEHICLE AND BRIDGE STRUCTURE**
KOÇ M. A. , ESEN İ.
3rd International Symposium on Railway Systems Engineering (ISERSE'16), October 13-15, 2016, Karabuk, Turkey, Karabük, Turkey, 13 - 15 October 2016, pp.184-189
- XXX. **NUMERICAL ANALYSIS OF TRAIN BRIDGE INTERACTION SYSTEM USING TEN DOF HALF CAR MODEL**
KOÇ M. A. , ESEN İ.
3rd International Symposium on Railway Systems Engineering (ISERSE'16), October 13-15, 2016, Karabuk, Turkey, Karabük, Turkey, 13 - 15 October 2016, pp.178-183
- XXXI. **BALAST SERTLİĞİNİN RAYLI SİSTEM DİNAMİĞİNE ETKİSİNİN İNCELENMESİ**
ESEN İ., EROĞLU M.
3rd International Symposium on Railway Systems Engineering (ISERSE'16), October 13-15, Karabük, Türkiye, Karabük, Turkey, 13 - 15 October 2016, pp.513-519
- XXXII. **TCDD KARABÜK BOLKUŞ BÖLGESİNDEKİ 49E1 RAYLARDA ONDULASYON ÖLÇÜMLERİ VE DEĞERLENDİRİLMESİ**
EROĞLU M., ESEN İ., AHLATCI H., ÖZÇELİK S., SUN Y., PAMUK S.
3rd International Symposium on Railway Systems Engineering (ISERSE'16), October 13-15, 2016, Karabuk, Turkey, Karabük, Turkey, 13 - 15 October 2016, pp.444-449
- XXXIII. **Analysis of Vehicle Bridge Dynamic Interaction using Quarter Car Model**
KOÇ M. A. , ESEN İ., DAL H.

1st INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY AND APPLIED SCIENCES(ICETAS 2016),
Afyon, Turkey, 21 April 2016 - 22 April 2016, pp.309-314

XXXIV. **Teker Yüzeyindeki Kusurların Ray Teker Etkileşimine Dinamik Etkisinin Sonlu Elemanlar Yöntemi İle İncelenmesi**

ESEN İ., EROĞLU M.

UMAS 2015 Ulusal Mühendislik Araştırmaları Sempozyumu, Turkey, 10 - 12 September 2015

XXXV. **Ev Tipi Çamaşır Makinasında Titreşim Analizi**

ESEN İ., İLYAS T.

UMAS 2015 Ulusal Mühendislik Araştırmaları Sempozyumu, Turkey, 10 - 12 September 2015

XXXVI. **Esnek Bir Yapı Üzerinde Yol Pürüzlülüğüne Bağlı Olarak Araç Lastik Sertliğinin Yolcu Konforu Üzerine Etkisinin Dinamik Analizi**

ESEN İ., KOÇ M. A.

Uluslararası Katılımlı 17. Makina Teorisi Sempozyumu, İzmir, 14-17 Haziran 2015, İzmir, Turkey, 14 - 17 June 2015, pp.504-511

XXXVII. **The Effect of the Flexibility of a Bridge on the Passenger Comfort of a Travelling Vehicle Including Road Roughness**

ESEN İ., KOÇ M. A.

3RD INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE, Valencia, Spain, 3 - 05 June 2015, pp.2206-2215

XXXVIII. **3D FINITE ELEMENT ANALYSIS OF UIC 60 RAIL AND UIC 515 WHEEL ROLLING CONTACT AND UNDERSTANDING STARTING MECHANISM OF WEAR**

ESEN İ., EROĞLU M.

2nd International Iron and Steel Symposium (IISS'15), April 1-3, 2015, Karabük, Turkey, Karabük, Turkey, 1 - 03 April 2015, pp.367-374

XXXIX. **DYNAMIC ANALYSIS OF WHEEL RAIL INTERACTION USING FINITE ELEMENT METHOD**

ESEN İ., EROĞLU M.

2nd International Iron and Steel Symposium (IISS'15), April 1-3, 2015, Karabük, Turkey, Karabük, Turkey, 1 - 03 April 2015, pp.375-380

XL. **Araç köprü etkileşiminin yolcu konforu üzerine etkisinin modellenmesi**

ESEN İ., KOÇ M. A.

7. Otomotiv Teknolojileri Kongresi (OTEKON'14), Bursa, Turkey, 26 - 27 May 2014

XLI. **Dynamics of 35 mm anti aircraft cannon barrel during firing**

ESEN İ., KOÇ M. A.

3rd International Symposium on Computing in Science and Engineering (ISCSE 2013), KUŞADASI AYDIN, Turkey, 24 - 25 October 2013, pp.252-257

XLII. **1 5 Ölçekli Boji Dinamik Test Ünitesi ile Farklı İvmelenme Değerlerinde Düşey Titreşim Analizi**

MIZRAK C., ESEN İ.

ISERSE'13 2nd International Symposium on Railway Systems Engineering, Turkey, 9 - 11 October 2013, pp.277-283

XLIII. **Ray haddeleme sisteminde tandem parametrelerinin yapay sinir ağı ile belirlenmesi**

ALTINKAYA H., ORAK İ. M., ESEN İ.

2nd International Symposium on Railway Systems Engineering, (ISERSE'13), Karabük, Turkey, 9 - 11 October 2013, pp.229-236

XLIV. **1 5 Ölçekli boji dinamik test ünitesi ile farklı ivmelenme değerlerinde düşey titreşim analizi**

MIZRAK C., ESEN İ.

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XLV. **35 mm Uçaksavar Topu Namlusu için Titreşim Absorberi Tasarımı ve Genetik Algoritma ile Optimizasyonu**

ESEN İ., KOÇ M. A.

Otomatik Kontrol Türk Milli Komitesi Toplantısı TOK 2013, Malatya, Turkey, 26 - 28 September 2013, pp.513-518

XLVI. **35 mm uçaksavar namlusunun atış esnasındaki dinamik analizi**

- ESEN İ., KOÇ M. A.
3. Ulusal Tasarım İmalat ve Analiz Kongresi (TİMAK2012), Balıkesir, Turkey, 29 - 30 November 2012, pp.275-290
- XLVII. **Raylı Araçlarda Yolcu Konforu Hesaplama Metodları**
MIZRAK C., ESEN İ.
IWRSE'12, 1.Uluslararası Raylı Sistemler Mühendisliği Çalıştayı, Turkey, 11 - 13 October 2012, pp.325-330
- XLVIII. **Ray haddeleme sisteminde ön haddeleme BD1 parametrelerinin yapay sinir ağı ile belirlenmesi**
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