

Prof. ENDER CİĞEROĞLU

Personal Information

Email: ender@metu.edu.tr

Education Information

Doctorate, Ohio State University, Makina Mühendisliği, United States Of America 2002 - 2007

Post Graduate, Ohio State University, Makina Mühendisliği, United States Of America 2002 - 2006

Post Graduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Makine Mühendisliği (Y) (Tezli), Turkey 1999 - 2002

Under Graduate, Middle East Technical University, Odtu Kuzey Kıbrıs Kampusu (Kktc-Güzelyurt), Makine Mühendisliği Bölümü, Turkey 1995 - 1999

Research Areas

Technical Sciences, Mechanical Engineering, Machine Theory and Dynamics, Machine Dynamics, Vehicle Systems Dynamics, Modeling and Simulation of Dynamic Systems, Mechanical Vibrations, Mechanical, Solid Mechanics

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty Of Engineering, Department Of Mechanical Engineering, 2019 - Continues

Associate Professor, Middle East Technical University, Faculty Of Engineering, Makine Mühendisliği Bölümü, 2014 - 2019

Assistant Professor, Middle East Technical University, Faculty of Engineering, Makine Mühendisliği Bölümü, 2009 - 2014

Lecturer PhD, Middle East Technical University, Faculty of Engineering, Makine Mühendisliği Bölümü, 2008 - 2009

Professional Experience

Rektörlüğe Bağlı Birim Başkan Yardımcısı, Middle East Technical University, Faculty Of Engineering, Department Of Mechanical Engineering, 2009 - Continues

Advising Theses

ÖZGÜVEN H. N. , CİĞEROĞLU E., A parametric study on planetary gear dynamics, Doctorate, V.YALIN(Student), 2018

CİĞEROĞLU E., Development of a new adaptive harmonic balance method and its comparison, Post Graduate, O.SERT(Student), 2018

Cığeroğlu E., Özgen G. O. , Nonlinear vibration isolation of inertial measurement unit, Post Graduate, A.DÖNMEZ(Student), 2018

CİĞEROĞLU E., Nonlinear dynamics of a spiral bevel gear pair, Post Graduate, B.ÖNAL(Student), 2018

CİĞEROĞLU E., Nonlinear dynamic analysis of a drivetrain composed of cylindrical gears, straight and spiral bevel gears, Doctorate, Ş.DENİZ(Student), 2018

ÖZGÜVEN H. N. , CİĞEROĞLU E., A new modal superposition method for nonlinear vibration analysis of structures using hybrid mode shapes, Post Graduate, E.FERHATOĞLU(Student), 2018

CİĞEROĞLU E., Structural coupling of two nonlinear structures, Post Graduate, Ç.TEPE(Student), 2018

CİĞEROĞLU E., Reduced order modeling of mistuned bladed disk systems by using Craig-Bampton method, Post Graduate, C.YILDIRIM(Student), 2017

CİĞEROĞLU E., Vibration reduction of helicopter tail shaft by using dry friction dampers, Post Graduate,

O.ÖZAYDIN(Student), 2017

DAĞ S., CİĞEROĞLU E., New modeling and analysis methods for micro-plates, Doctorate, R.AGHAZADEH(Student), 2017

ÖZGEN G. O. , CİĞEROĞLU E., Finite element model updating of aerospace structures, Post Graduate, D.ÜNLÜ(Student), 2017

CİĞEROĞLU E., STRUCTURAL COUPLING OF NONLINEAR STRUCTURES, Post Graduate, Ç.TEPE(Student), 2015

CİĞEROĞLU E., DEVELOPMENT OF A NEW ADAPTIVE HARMONIC BALANCE METHOD, Post Graduate, O.SERT(Student), 2015

CİĞEROĞLU E., Modeling and experimental verification of dynamic characteristics of the antenna structure under mechanical shock using mdof models, Post Graduate, Y.EMRE(Student), 2015

CİĞEROĞLU E., Nonlinear vibrations of curved single and double walled carbon nanotubes, Doctorate, S.HAMED(Student), 2014

YAZICIOĞLU Y., CİĞEROĞLU E., Modeling of Aircraft Aeroelastic Effects on External Store Separation, Doctorate, M.TUĞRUL(Student), 2014

YAZICIOĞLU Y., CİĞEROĞLU E., Dynamic modeling and control of a hybrid fin actuation system for an air-to-air missile, Post Graduate, T.ÇELİK(Student), 2014

CİĞEROĞLU E., Chatter reduction in boring process by using piezoelectric shunt circuits, Post Graduate, U.YİĞİT(Student), 2014

CİĞEROĞLU E., Application of structural modification method to nonlinear vibration analysis of bladed disks, Post Graduate, B.ŞAYIN(Student), 2013

ÖZGEN G. O. , CİĞEROĞLU E., DESIGN OF A TEST SETUP FOR THE CHARACTERIZATION OF VIBRATION ISOLATORS, Post Graduate, C.UZ(Student), 2013

CİĞEROĞLU E., DEVELOPMENT OF A PASSIVE VIBRATION ISOLATION ANALYSIS AND OPTIMIZATION SOFTWARE FOR MECHANICAL SYSTEMS, Post Graduate, O.YAVUZ(Student), 2013

CİĞEROĞLU E., Design, control and optimization of vehicle suspensions with inerters, Post Graduate, O.GERGER(Student), 2013

ÖZGEN G. O. , CİĞEROĞLU E., Finite element modelling and analysis of recoil springs in automatic weapons, Post Graduate, H.ZALOĞLU(Student), 2013

DAĞ S., CİĞEROĞLU E., Static and free vibration analyses of small-scale functionally graded beams possessing a variable length scale parameter using different beam theories, Post Graduate, R.AGHAZADEH(Student), 2013

CİĞEROĞLU E., Analytical modeling and stability analysis of spindle-holder-tool assembly by using spinning and non-spinning Timoshenko beam theories, Post Graduate, H.YILMAZ(Student), 2013

CİĞEROĞLU E., Frequency domain optimization of dry friction dampers used for earthquake vibration damping of buildings, Post Graduate, Z.EREN(Student), 2012

CİĞEROĞLU E., Vibration isolation of inertial measurement unit, Post Graduate, D.ÇINAREL(Student), 2012

ÖZGÜVEN H. N. , CİĞEROĞLU E., Possibilistic interpretation of mistuning in bladed disks by fuzzy algebra, Post Graduate, H.ÇAĞLAR(Student), 2012

CİĞEROĞLU E., Vibration fatigue analysis of structures installed on air platforms, Post Graduate, Y.ELDOĞAN(Student), 2012

CİĞEROĞLU E., Sliding mode control algorithm development for anti-lock brake system, Post Graduate, A.OKYAY(Student), 2011

ÖZGEN G. O. , CİĞEROĞLU E., Optimization of vibration characteristics of a radar antenna structure, Post Graduate, İ.BARAN(Student), 2011

CİĞEROĞLU E., RIDE COMFORT IMPROVEMENT BY APPLICATION OF TUNED MASS DAMPERS AND LEVER TYPE VIBRATION ISOLATORS, Post Graduate, G.AYDAN(Student), 2010

ÖZGÜVEN H. N. , CİĞEROĞLU E., On the non-linear vibration and mistuning identification of bladed disks, Post Graduate, M.ERSİN(Student), 2010

CİĞEROĞLU E., Design of an engine mount with dry friction damping, Post Graduate, C.BORAL(Student), 2010

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

- **An improved quasi-zero stiffness vibration isolation system utilizing dry friction damping**
Donmez A., CİĞEROĞLU E., ÖZGEN G. O.

NONLINEAR DYNAMICS, 2020 (Journal Indexed in SCI)

- **Nonlinear dynamic analysis of a drivetrain composed of spur, helical and spiral bevel gears**

Yavuz S. D. , Sarıbay Z. B. , CİĞEROĞLU E.

NONLINEAR DYNAMICS, 2020 (Journal Indexed in SCI)

- **Enhancement of the reliability of MEMS shock sensors by adopting a dual-mass model**

Fathalilou M., Soltani K., Rezazadeh G., CİĞEROĞLU E.

MEASUREMENT, vol.153, 2020 (Journal Indexed in SCI)

- **A novel modal superposition method with response dependent nonlinear modes for periodic vibration analysis of large MDOF nonlinear systems**

Ferhatoglu E., CİĞEROĞLU E., ÖZGÜVEN H. N.

Mechanical Systems and Signal Processing, vol.135, 2020 (Journal Indexed in SCI)

- **A novel two-step pseudo-response based adaptive harmonic balance method for dynamic analysis of nonlinear structures**

Sert O., Cığeroğlu E.

MECHANICAL SYSTEMS AND SIGNAL PROCESSING, vol.130, pp.610-631, 2019 (Journal Indexed in SCI)

- **Modeling of aircraft effects on external store ejection**

Kozak M. T. , Yıldız E. N. , Yazıcıoğlu Y., Cığeroğlu E.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING, vol.233, pp.3612-3626, 2019 (Journal Indexed in SCI)

- **Setup for testing the vibration-based loosening of pre-loaded bolted joints**

Cavdar F. Y. , Bilal H., Güllü R., Güler B., Cigeroglu E., Cavdar K., Solmaz E.

Materialprüfung/Materials Testing, vol.61, pp.981-985, 2019 (Journal Indexed in SCI)

- **Thermal effect on bending, buckling and free vibration of functionally graded rectangular micro-plates possessing a variable length scale parameter**

Aghazadeh R., Dağ S., Cığeroğlu E.

MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, vol.24, pp.3549-3572, 2018 (Journal Indexed in SCI)

- **A new modal superposition method for nonlinear vibration analysis of structures using hybrid mode shapes**

Ferhatoglu E., Cığeroğlu E., Özgüven H. N.

MECHANICAL SYSTEMS AND SIGNAL PROCESSING, vol.107, pp.317-342, 2018 (Journal Indexed in SCI)

- **Nonlinear time-varying dynamic analysis of a spiral bevel geared system**

Yavuz S. D. , Sarıbay Z. B. , Cığeroğlu E.

NONLINEAR DYNAMICS, vol.92, pp.1901-1919, 2018 (Journal Indexed in SCI)

- **Modelling of graded rectangular micro-plates with variable length scale parameters**

Aghazadeh R., Dağ S., Cığeroğlu E.

STRUCTURAL ENGINEERING AND MECHANICS, vol.65, pp.573-585, 2018 (Journal Indexed in SCI)

- **Localization and identification of structural nonlinearities using cascaded optimization and neural networks**

Koyuncu A., Cığeroğlu E., Özgüven H. N.

MECHANICAL SYSTEMS AND SIGNAL PROCESSING, vol.95, pp.219-238, 2017 (Journal Indexed in SCI)

- **Vibration-based tool wear estimation by using non-stationary Functional Series TARMA (FS-TARMA) models**

Aghdam B. H. , Cığeroğlu E.

INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.93, pp.1431-1442, 2017 (Journal Indexed in SCI)

- **Chatter reduction in boring process by using piezoelectric shunt damping with experimental verification**

Yigit U., Cığeroğlu E., Budak E.

MECHANICAL SYSTEMS AND SIGNAL PROCESSING, vol.94, pp.312-321, 2017 (Journal Indexed in SCI)

- **Free vibration analysis of functionally graded rectangular nanoplates considering spatial variation of the nonlocal parameter**

Ghassabı A. A. , Dağ S., Cığeroğlu E.

ARCHIVES OF MECHANICS, vol.69, pp.105-130, 2017 (Journal Indexed in SCI)

- **Dynamics and stability of conical/cylindrical shells conveying subsonic compressible fluid flows with general boundary conditions**
Rahmanian M., Firouz-Abadi R. D. , Ciğeroğlu E.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.120, pp.42-61, 2017 (Journal Indexed in SCI)
- **Free vibrations of moderately thick truncated conical shells filled with quiescent fluid**
Rahmanian M., Firouz-Abadi R. D. , Ciğeroğlu E.
JOURNAL OF FLUIDS AND STRUCTURES, vol.63, pp.280-301, 2016 (Journal Indexed in SCI)
- **Nonlinear free vibrations of curved double walled carbon nanotubes using differential quadrature method**
Ciğeroğlu E., Samandari H.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, vol.64, pp.95-105, 2014 (Journal Indexed in SCI)
- **Static and free vibration analyses of small-scale functionally graded beams possessing a variable length scale parameter using different beam theories**
Aghazadeh R., Ciğeroğlu E., Dağ S.
EUROPEAN JOURNAL OF MECHANICS A-SOLIDS, vol.46, pp.1-11, 2014 (Journal Indexed in SCI)
- **A new sliding-mode controller design methodology with derivative switching function for anti-lock brake system**
Okyay A., Ciğeroğlu E., Başlamışlı S. Ç.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.227, pp.2487-2503, 2013 (Journal Indexed in SCI)
- **Mistuning Identification of Integrally Bladed Disks With Cascaded Optimization and Neural Networks**
Yumer M. E. , Ciğeroğlu E., Özgüven H. N.
JOURNAL OF TURBOMACHINERY-TRANSACTIONS OF THE ASME, vol.135, 2013 (Journal Indexed in SCI)
- **Nonlinear free vibration of double walled carbon nanotubes by using describing function method with multiple trial functions**
Ciğeroğlu E., Samandari H.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, vol.46, pp.160-173, 2012 (Journal Indexed in SCI)
- **Forced Response Prediction of Constrained and Unconstrained Structures Coupled Through Frictional Contacts**
Ciğeroğlu E., An N., Menq C.
JOURNAL OF ENGINEERING FOR GAS TURBINES AND POWER-TRANSACTIONS OF THE ASME, vol.131, 2009 (Journal Indexed in SCI)
- **A microslip friction model with normal load variation induced by normal motion**
Cigeroglu E., An N., Menq C.
NONLINEAR DYNAMICS, vol.50, pp.609-626, 2007 (Journal Indexed in SCI)
- **Nonlinear vibration analysis of bladed disks with dry friction dampers**
Cigeroglu E., Ozguven H. N.
JOURNAL OF SOUND AND VIBRATION, vol.295, pp.1028-1043, 2006 (Journal Indexed in SCI)
- **One-dimensional dynamic microslip friction model**
Cigeroglu E., Lu W., Menq C.
JOURNAL OF SOUND AND VIBRATION, vol.292, pp.881-898, 2006 (Journal Indexed in SCI)

Book & Book Chapters

- **SAVTEK 9, Savunma Teknolojileri Kongresi Bildiriler**
Ciğeroğlu E. (Editor), Yıldırım R. O. (Editor), Özgen G. O. (Editor), Gökler M. İ. (Editor), Leblebicioğlu M. K. (Editor)
Elma Yayınevi, Ankara, 2018

Refereed Congress / Symposium Publications in Proceedings

- **Nonlinear 3D Modeling and Vibration Analysis of Horizontal Drum Type Washing Machines**
 BAYKAL C., CİĞEROĞLU E., YAZICIOĞLU Y.
 37th IMAC, A Conference and Exposition on Structural Dynamics, 2019, Florida, United States Of America, 28 - 31 January 2019, pp.225-228
- **Dynamic characterization of double-relief profile modifications in planetary gear systems**
 Ciğeroğlu E.
 INTERNATIONAL GEAR CONFERENCE 2018, Lyon, France, 27 - 29 August 2018, pp.1-14
- **Approximate analytical solution of nonlinear natural frequencies of a functionally graded material microbeam by using multiple harmonic balance method**
 Ciğeroğlu E.
 47th International Congress and Exposition on Noise Control Engineering: Impact of Noise Control Engineering, INTER-NOISE 2018, Illinois, United States Of America, 27 - 29 August 2018, pp.1-17
- **Approximate analytical solution of nonlinear natural frequencies of a functionally graded material microbeam by using multiple harmonic balance method**
 Uz C., CİĞEROĞLU E.
 47th International Congress and Exposition on Noise Control Engineering: Impact of Noise Control Engineering, INTER-NOISE 2018, Illinois, United States Of America, 26 - 29 August 2018
- **Reduction of Helicopter Rotor Vibratory Loads Through Robust and Hybrid Optimization**
 BİLEN M. E. , CİĞEROĞLU E., ÖZGÜVEN H. N.
 6th Asian / Australian Rotorcraft Forum (ARF), 7 - 09 November 2017
- **The Effect of Stiffness and Loading Deviations in a Nonlinear Isolator Having Quasi Zero Stiffness and Geometrically Nonlinear Damping**
 DÖNMEZ A., CİĞEROĞLU E., ÖZGEN G. O.
 Proceedings of the ASME 2017 International Mechanical Engineering Congress and Exposition, 3 - 09 November 2017
- **Non-linear Dynamic Analysis for the Lateral Vibration of Beams with Breathing Crack under Harmonic Excitation Using Finite Element Method**
 Özkan B., Ciğeroğlu E., Özgen G. O. , Kadioğlu F. S.
 ICAF 2017 (35th Conference and 29th Symposium of the International Committee on Aeronautical Fatigue and Structural Integrity), Nagoya, Japan, 7 - 09 June 2017
- **Nonlinear Vibrations of a Functionally Graded Material Microbeam with Geometric Nonlinearity**
 Uz C., CİĞEROĞLU E.
 35th IMAC Conference and Exposition on Structural Dynamics, California, United States Of America, 30 January - 02 February 2017, pp.167-176
- **Nonlinear Transverse Vibrations of a Beam with Multiple Breathing Edge Cracks**
 Batihan A. C. , CİĞEROĞLU E.
 35th IMAC Conference and Exposition on Structural Dynamics, California, United States Of America, 30 January - 02 February 2017, pp.259-266
- **Effect of Dry Friction Damping on the Dynamic Response of Helicopter Tail Shaft**
 Ozaydin O., CİĞEROĞLU E.
 35th IMAC Conference and Exposition on Structural Dynamics, California, United States Of America, 30 January - 02 February 2017, pp.23-30
- **Nonlinear Dynamic Analysis of a Spiral Bevel Geared System**
 Yavuz S. D. , Sarıbay Z. B. , CİĞEROĞLU E.
 35th IMAC Conference and Exposition on Structural Dynamics, California, United States Of America, 30 January - 02 February 2017, pp.31-40
- **THE EFFECT OF STIFFNESS AND LOADING DEVIATIONS IN A NONLINEAR ISOLATOR HAVING QUASI ZERO STIFFNESS AND GEOMETRICALLY NONLINEAR DAMPING**
 Donmez A., CİĞEROĞLU E., ÖZGEN G. O.
 1st International Symposium on Ethnic Languages and Culture Under - Belt and Road Initiatives, Beijing, China, 18 - 21 July 2016
- **A Modal Superposition Method for the Analysis of Nonlinear Systems**
 Ferhatoglu E., CİĞEROĞLU E., ÖZGÜVEN H. N.

34th IMAC Conference and Exposition on Structural Dynamics, Florida, United States Of America, 25 - 28 January 2016, pp.269-278

- **Nonlinear Time-Varying Dynamic Analysis of a Multi-Mesh Spur Gear Train**

Yavuz S. D. , Saribay Z. B. , CİĞEROĞLU E.

34th IMAC Conference and Exposition on Structural Dynamics, Florida, United States Of America, 25 - 28 January 2016, pp.309-321

- **Adaptive Harmonic Balance Methods, A Comparison**

Sert O., CİĞEROĞLU E.

34th IMAC Conference and Exposition on Structural Dynamics, Florida, United States Of America, 25 - 28 January 2016, pp.279-289

- **Functional Series TARMA Models for Non-stationary Tool Vibration Signals Representation and Wear Estimation**

Aghdam B. H. , CİĞEROĞLU E.

34th IMAC Conference and Exposition on Structural Dynamics, Florida, United States Of America, 25 - 28 January 2016, pp.141-151

- **Shock Response of an Antenna Structure Considering Geometric Nonlinearity**

Ozcelik Y. E. , CİĞEROĞLU E., ÇALIŞKAN M.

34th IMAC Conference and Exposition on Structural Dynamics, Florida, United States Of America, 25 - 28 January 2016, pp.47-59

- **Nonlinear Vibrations of a Beam with a Breathing Edge Crack Using Multiple Trial Functions**

Batihian A. C. , CİĞEROĞLU E.

34th IMAC Conference and Exposition on Structural Dynamics, Florida, United States Of America, 25 - 28 January 2016, pp.1-9

- **A Modified Inverse Eigensensitivity Method for Large Finite Element Models**

Unlu D., CİĞEROĞLU E., ÖZGEN G. O.

34th IMAC Conference and Exposition on Structural Dynamics, Florida, United States Of America, 25 - 28 January 2016, pp.293-301

- **Optimization of Tooth Bending Fatigue Characteristics of Spur Gear Pairs Using a Gear Dynamics-Based Approach**

Ozturk Y., CİĞEROĞLU E., ÖZGÜVEN H. N.

ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conference, Massachusetts, United States Of America, 2 - 05 August 2015

- **Optimization of Tooth Bending Fatigue Characteristics of Spur Gear Pairs using a Gear Dynamics based Approach**

ÖZTÜRK Y., CİĞEROĞLU E., ÖZGÜVEN H. N.

ASME 2015 International Design Engineering Technical Conferences, Boston, United States Of America, 2 - 05 August 2015

- **Nonlinear Vibrations of a Beam with a Breathing Edge Crack**

Batihian A. C. , CİĞEROĞLU E.

33rd IMAC Conference and Exposition on Structural Dynamics, Florida, United States Of America, 2 - 05 February 2015, pp.83-92

- **Output Only Functional Series Time Dependent AutoRegressive Moving Average (FS-TARMA) Modelling of Tool Acceleration Signals for Wear Estimation**

Aghdam B. H. , CİĞEROĞLU E., Sadeghi M. H.

33rd IMAC Conference and Exposition on Structural Dynamics, Florida, United States Of America, 2 - 05 February 2015, pp.111-122

- **Nonlinear Vibrations of a Flexible L-shaped Beam Using Differential Quadrature Method**

Samandari H., CİĞEROĞLU E.

33rd IMAC Conference and Exposition on Structural Dynamics, Florida, United States Of America, 2 - 05 February 2015, pp.145-154

- **Optimum Profile Modifications for the Minimization of Dynamic Transmission Error**

ÖZTÜRK V. Y. , CİĞEROĞLU E., ÖZGÜVEN H. N.

International Gear Conference, 26 - 28 August 2014

- **Design of a Test Setup for Measuring Dynamic Stiffness of Vibration Isolators**

Uz C., Özgen G. O. , Ciğeroğlu E.

31st International Modal Analysis Conference on Structural Dynamics, IMAC 2013, Garden Grove, CA, United States Of America, 11 - 14 February 2013, vol.45, pp.235-247

- **EFFECTS OF AIRCRAFT AEROELASTIC DEFORMATIONS ON EXTERNAL STORE SEPARATION DYNAMICS**

Kozak M. T. , Yıldız E. N. , YAZICIOĞLU Y., CİĞEROĞLU E.

ASME International Mechanical Engineering Congress and Exposition (IMECE2013), California, United States Of America, 15 - 21 November 2013

- **Robustness Analysis of Intentional Mistuning Patterns in Randomly Mistuned Bladed Disk Assemblies**

Yumer M. E. , CİĞEROĞLU E., ÖZGÜVEN H. N.

International Conference on Noise and Vibration Engineering (ISMA)/Conference of USD, Leuven, Belgium, 20 - 22

September 2010, pp.4865-4874

- **EFFECT OF INTENTIONAL DRY FRICTION DAMPING ON THE PERFORMANCE OF AN ELASTOMERIC ENGINE MOUNT**

Boral C., CİĞEROĞLU E., Korkmaz I.

10th ASME Biennial Conference on Engineering Systems Design and Analysis, İstanbul, Turkey, 12 - 24 July 2010, pp.59-66

- **APPLICATION OF TUNED MASS DAMPERS AND LEVER TYPE VIBRATION ISOLATOR TO THE QUARTER-CAR MODEL IN ORDER TO INCREASE RIDE COMFORT**

Aydan G., CİĞEROĞLU E., BAŞLAMIŞLI S. Ç.

10th ASME Biennial Conference on Engineering Systems Design and Analysis, İstanbul, Turkey, 12 - 24 July 2010, pp.67-75

- **SLIDING-MODE CONTROL ALGORITHM DEVELOPMENT FOR ANTI-LOCK BRAKING SYSTEM**

Okyay A., CİĞEROĞLU E., BAŞLAMIŞLI S. Ç.

10th ASME Biennial Conference on Engineering Systems Design and Analysis, İstanbul, Turkey, 12 - 24 July 2010, pp.115-123

Supported Projects

CİĞEROĞLU E., Project Supported by Higher Education Institutions, Değişken Temas Yüzeyleri İçin Dinamik Kuru Sürtünme Modeli Geliştirilmesi, 2009 - Continues

Ciğeroğlu E., Project Supported by Other Private Institutions, Traktör Kabin Titreşiminin Azaltılmasına Yönelik Yerli Ve Özgün Bir Titreşim İzolatörünün Geliştirilmesi, 2017 - 2018

Kadioğlu F. S. , Özgen G. O. , Ciğeroğlu E., TUBITAK Project, Çatlak içeren kirişlerin titreşimlerinin deneysel incelenmesi, 2015 - 2017

CİĞEROĞLU E., TUBITAK Project, Paralel Eksenli Dişli Çifti En İyileştirme Projesi, 2014 - 2017

Memberships / Tasks in Scientific Organizations

USATEG, Executive Board Member, 2018 - Continues

Scientific Refereeing

MECHANISM AND MACHINE THEORY, SCI Journal, December 2018

JOURNAL OF SOUND AND VIBRATION, SCI Journal, December 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, November 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, November 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical

University, Turkey, November 2018

JOURNAL OF SOUND AND VIBRATION, SCI Journal, October 2018

Nonlinear Dynamics, SCI Journal, September 2018

Nonlinear Dynamics, SCI Journal, August 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, August 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, August 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, August 2018

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, August 2018

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Journal Indexed in SCIE, May 2018

Nonlinear Dynamics, SCI Journal, May 2018

JOURNAL OF SOUND AND VIBRATION, SCI Journal, February 2018

NONLINEAR DYNAMICS, SCI Journal, January 2018

MECHANICAL SYSTEMS AND SIGNAL PROCESSING, Journal Indexed in SCIE, January 2018

Tasks In Event Organizations

Ciğeroğlu E., SAVTEK 9. Savunma Teknolojileri Kongresi, Scientific Congress, Ankara, Turkey, Haziran 2018

Citations

Total Citations (WOS):363

h-index (WOS):9

Awards

Ciğeroğlu E., ODTÜ Yılın Tezi Ödülü Doktora, Mustafa Parlar Vakfı, December 2018