

Doç.Dr. Yüksel HACIOĞLU

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, İstanbul Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Türkiye 2004 - 2009

Yüksek Lisans, İstanbul Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Türkiye 2002 - 2004

Lisans, İstanbul Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Türkiye 1998 - 2002

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Mekanik sistemlerin geri adımlamalı (backstepping) kontrolü, İstanbul Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, 2009

Yüksek Lisans, Bir robotun bulanık mantıklı kayan kipli kontrolü, İstanbul Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, 2004

Araştırma Alanları

Bilgi Sistemleri, Haberleşme ve Kontrol Mühendisliği, Kontrol ve Sistem Mühendisliği, Kontrol Sistemleri ve Enstrümantasyon , Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Doç.Dr., İstanbul Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 2018 - Devam Ediyor

Yrd.Doç.Dr., İstanbul Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2009 - 2018

Araştırma Görevlisi, İstanbul Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2002 - 2009

Verdiği Dersler

Bitirme Projesi II, Lisans, 2015 - 2016, 2013 - 2014

Mekanik Sistemlerin Kontrolü, Lisans, 2015 - 2016, 2014 - 2015

Classical Control Theory, Yüksek Lisans, 2016 - 2017

Dynamics, Lisans, 2016 - 2017

State Space Control Theory, Yüksek Lisans, 2015 - 2016, 2014 - 2015

Makine Projesi II, Lisans, 2015 - 2016, 2014 - 2015
Introduction to Mechanical Engineering, Lisans, 2015 - 2016
Dinamik, Lisans, 2015 - 2016
Bitirme Projesi I, Lisans, 2014 - 2015, 2013 - 2014
Makine Projesi I, Lisans, 2014 - 2015, 2013 - 2014
Tez Danışmanlığı, Doktora, 2014 - 2015
Mühendislik Mekaniği, Lisans, 2013 - 2014
Metalurji Mühendisleri İçin Statik, Lisans, 2013 - 2014
Mühendislik Mekaniği, Lisans, 2012 - 2013
Makine Bilgisi, Lisans, 2012 - 2013
Statik-Mukavemet, Lisans, 2012 - 2013
Makine Mühendisliğine Giriş, Lisans, 2012 - 2013
Metalurji Mühendisleri İçin Statik, Lisans, 2012 - 2013

Yönetilen Tezler

HACIOĞLU Y., MEKANİK SİSTEMLERİN YÜKSEK DERECELİ KAYAN KİPLİ KONTROLÜ, Doktora, H.Ömür(Öğrenci), 2016

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Experimental investigation of biodynamic human body models subjected to whole-body vibration during a vehicle ride.**
Taskin Y., Hacıoglu Y., Ortes F., Karabulut D., Arslan Y. Z.
International journal of occupational safety and ergonomics : JOSE, cilt.25, ss.530-544, 2019 (SSCI)
- II. **High order sliding mode control with estimation for vehicle active suspensions**
Ozer H. O., Hacıoglu Y., Yagiz N.
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, cilt.40, sa.5, ss.1457-1470, 2018 (SCI-Expanded)
- III. **Experimental evaluation of a fuzzy logic controller on a quarter car test rig**
Taskin Y., Hacıoglu Y., Yagiz N.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, cilt.39, sa.7, ss.2433-2445, 2017 (SCI-Expanded)
- IV. **Suppression of structural vibrations using PDPI plus PI type fuzzy logic controlled active dynamic absorber**
Ozer H. O., Hacıoglu Y., Yagiz N.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, cilt.38, sa.7, ss.2105-2115, 2016 (SCI-Expanded)
- V. **Suppression of structural vibrations using PDPI + PI type fuzzy logic controlled active dynamic absorber**
ÖZER H. Ö., HACIOĞLU Y., YAĞIZ N.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, cilt.38, ss.1-11, 2015 (SCI-Expanded)
- VI. **Multiple-input multiple-output proportional-integral-proportional-derivative type fuzzy logic controller design for a twin rotor system**
Hacıoglu Y.
JOURNAL OF VIBROENGINEERING, cilt.17, sa.6, ss.3104-3110, 2015 (SCI-Expanded)
- VII. **Control of a Biomimetic Robot Hand Finger: Classical, Robust, and Intelligent Approaches**
Arslan Y. Z., Taskin Y., Hacıoglu Y., Yagiz N.
HANDBOOK OF RESEARCH ON ADVANCEMENTS IN ROBOTICS AND MECHATRONICS, ss.475-499, 2015 (SCI-

Expanded)

- VIII. **Adaptive backstepping control with estimation for the vibration isolation of buildings**
Hacioglu Y., Yagiz N.
JOURNAL OF VIBRATION AND CONTROL, cilt.18, sa.13, ss.1996-2005, 2012 (SCI-Expanded)
- IX. **MIMO fuzzy sliding mode controlled dual arm robot in load transportation**
Hacioglu Y., Arslan Y. Z., Yagiz N.
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, cilt.348, sa.8, ss.1886-1902, 2011 (SCI-Expanded)
- X. **Load transportation by dual arm robot using sliding mode control**
Yagiz N., Hacioglu Y., Arslan Y. Z.
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, cilt.24, sa.5, ss.1177-1184, 2010 (SCI-Expanded)
- XI. **Fuzzy sliding mode control of a finger of a humanoid robot hand**
Arslan Y. Z., Hacioglu Y., Yagiz N.
EXPERT SYSTEMS, cilt.26, sa.3, ss.291-303, 2009 (SCI-Expanded)
- XII. **Robust control of a spatial robot using fuzzy sliding modes**
Yagiz N., Hacioglu Y.
MATHEMATICAL AND COMPUTER MODELLING, cilt.49, ss.114-127, 2009 (SCI-Expanded)
- XIII. **Backstepping control of a vehicle with active suspensions**
Yagiz N., Hacioglu Y.
CONTROL ENGINEERING PRACTICE, cilt.16, sa.12, ss.1457-1467, 2008 (SCI-Expanded)
- XIV. **Fuzzy Sliding-Mode Control of Active Suspensions**
Yagiz N., Hacioglu Y., Taskin Y.
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, cilt.55, sa.11, ss.3883-3890, 2008 (SCI-Expanded)
- XV. **Prosthetic hand finger control using fuzzy sliding modes**
Arslan Y. Z., Hacioglu Y., Yagiz N.
JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, cilt.52, sa.1, ss.121-138, 2008 (SCI-Expanded)
- XVI. **PI+PD type fuzzy logic controlled dual-arm robot in load transfer**
Hacioglu Y., Arslan Y. Z., Yagiz N.
STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, cilt.54, sa.5, ss.347-355, 2008 (SCI-Expanded)
- XVII. **Sliding mode control of a finger for a prosthetic hand**
Yagiz N., Arslan Y. Z., Hacioglu Y.
JOURNAL OF VIBRATION AND CONTROL, cilt.13, sa.6, ss.733-749, 2007 (SCI-Expanded)
- XVIII. **The use of fuzzy-logic control to improve the ride comfort of vehicles**
TAŞKIN Y., HACIOĞLU Y., YAĞIZ N.
STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, cilt.53, sa.4, ss.233-240, 2007 (SCI-Expanded)
- XIX. **Fuzzy sliding modes with moving surface for the robust control of a planar robot**
Yagiz N., Hacioglu Y.
JOURNAL OF VIBRATION AND CONTROL, cilt.11, sa.7, ss.903-922, 2005 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Controlling the Building Model Using High Order Sliding Mode Control Optimized by Multi Objective Genetic Algorithm**
ÖZER H. Ö., HACIOĞLU Y., YAĞIZ N.
Periodicals of Engineering and Natural Sciences, cilt.5, ss.256-262, 2017 (Scopus)
- II. **Control of Vehicle Active Suspensions with Actuator Delay via Distributed Backstepping**
SEZGİN A., HACIOĞLU Y., YAĞIZ N.
International Journal of Science and Engineering Investigations, cilt.6, sa.69, ss.131-140, 2017 (Hakemli Dergi)
- III. **Distributed Backstepping Control with Actuator Delay for Active Suspension System**
SEZGİN A., HACIOĞLU Y., YAĞIZ N.

international journal of applied mathematics and informatics, cilt.10, ss.105-109, 2016 (Hakemli Dergi)

IV. Sliding Mode Control for Active Suspension System with Actuator Delay

SEZGİN A., HACIOĞLU Y., YAĞIZ N.

International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering, cilt.10, ss.1360-1364, 2016 (Hakemli Dergi)

V. High Order Sliding Modes for Vehicle Suspensions via Optimized Super Twisting Algorithm

ÖZER H. Ö., HACIOĞLU Y., YAĞIZ N.

International Journal of Mechanical and Production Engineering (IJMPE), cilt.4, ss.47-52, 2016 (Hakemli Dergi)

Kitap & Kitap Bölümleri

I. Control of a Biomimetic Robot Hand Finger: Classical, Robust and Intelligent Approaches

ARSLAN Y. Z., HACIOĞLU Y., TAŞKIN Y., YAĞIZ N.

Handbook of Research on Advancements in Robotics and Mechatronics, Habib M. K., Editör, Igi Global Publisher, Hershey, Pa, ss.475-499, 2015

II. Control of a Biomimetic Robot Hand Finger: Classical, Robust and Intelligent Approaches

ARSLAN Y. Z., HACIOĞLU Y., TAŞKIN Y., YAĞIZ N.

Handbook of Research on Advancements in Robotics and Mechatronics, Habib M. K., Editör, Igi Global Publisher, Hershey, Pa, ss.475-499, 2015

III. Control of a Biomimetic Robot Hand Finger: Classical, Robust and Intelligent Approaches

ARSLAN Y. Z., HACIOĞLU Y., TAŞKIN Y., YAĞIZ N.

Handbook of Research on Advancements in Robotics and Mechatronics, Habib M. K., Editör, Igi Global Publisher, Hershey, Pa, ss.475-499, 2015

IV. Control of a Biomimetic Robot Hand Finger: Classical, Robust and Intelligent Approaches

ARSLAN Y. Z., HACIOĞLU Y., TAŞKIN Y., YAĞIZ N.

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V. Control of a Biomimetic Robot Hand Finger: Classical, Robust and Intelligent Approaches

ARSLAN Y. Z., HACIOĞLU Y., TAŞKIN Y., YAĞIZ N.

Handbook of Research on Advancements in Robotics and Mechatronics (2 Volumes), Habib M, Editör, Igi Global Publications, Hershey, ss.475-499, 2015

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. DYNAMIC MODELLING AND SIMULATION OF A COOLING SYSTEM

SANDAL B., HACIOĞLU Y., YAĞIZ N.

4TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2018, İstanbul, Türkiye, 19 - 21 Aralık 2018, ss.1631-1636

II. MATHEMATICAL MODELLING AND ANALYSIS OF A HEATING SYSTEM

SANDAL B., HACIOĞLU Y., YAĞIZ N.

4TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2018, İstanbul, Türkiye, 19 - 21 Aralık 2018, ss.1626-1630

III. Distributed Backstepping Approach for the Control of Half-Car Active Suspensions with Input Delay

SEZGİN A., HACIOĞLU Y., YAĞIZ N.

2nd International Conference on Mechanical Engineering and Robotics Research (ICMERR 2017), Paris, Fransa, 11 - 13 Aralık 2017, ss.1-5

IV. Controlling the Building Model Using High Order Sliding Model Control Optimized by Multi Objective Genetic Algorithm

ÖZER H. Ö., HACIOĞLU Y., YAĞIZ N.

International Conference on Engineering Technology and Innovation (ICETI 2017), Sarajevo, Bosna-Hersek, 22 - 26 Mart 2017, ss.1-6

- V. **Controlling the building model using high order sliding mode control optimized by multi objective genetic algorithm**
ÖZER H. Ö., HACIOĞLU Y., YAĞIZ N.
International Conference on Engineering Technology and Innovation, Sarajevo, Bosna-Hersek, 22 - 26 Mart 2017, ss.1-6
- VI. **Optimized Super Twisting Algorithm for Active Suspension System of a Quarter Car Model**
ÖZER H. Ö., HACIOĞLU Y., YAĞIZ N.
5th International Conference on Electrical, Computer, Mechanical and Mechatronics Engineering (ICE-2016), İstanbul, Türkiye, 1 - 02 Eylül 2016, ss.32
- VII. **High order sliding modes for vehicle suspensions via optimized super twisting algorithm**
ÖZER H. Ö., HACIOĞLU Y., YAĞIZ N.
The IRES - 63rd International Conferences on Engineering and Natural Science (ICENS), Amsterdam, Hollanda, 26 - 27 Haziran 2016, ss.5-10
- VIII. **High Order Sliding Modes for Vehicle Suspensions via Optimized Super Twisting Algorithm**
ÖZER H. Ö., HACIOĞLU Y., YAĞIZ N.
The IRES - 63rd International Conferences on Engineering and Natural Science (ICENS), Amsterdam, Hollanda, 26 - 27 Haziran 2016, ss.5-10
- IX. **Suppression of Structural Vibrations Using Dynamic Absorber**
ÖZER H. Ö., YAĞIZ N., HACIOĞLU Y.
International Conference on Engineering Vibration (ICOEV 2015), Ljubljana, Slovenya, 7 - 10 Eylül 2015, ss.897-907
- X. **High Order Sliding Mode Control of a Pendulum**
ÖZER H. Ö., HACIOĞLU Y., YAĞIZ N.
2nd International Conference on Electrical, Computer, Mechanical and Mechatronics Engineering (ICE2015), İstanbul, Türkiye, 27 - 28 Ağustos 2015, ss.52
- XI. **Suppression of Building Vibrations Using PD+PI Type Fuzzy Logic Controller**
HACIOĞLU Y.
FCTA 2014 International Conference on Fuzzy Computation Theory and Applications, Roma, İtalya, 22 - 24 Ekim 2014, ss.153-157
- XII. **Control of vehicle active suspensions by using PD plus PI type fuzzy logic with sliding surface**
Hacıoglu Y., Yagiz N.
1st International Conference on Mathematical Modelling in Physical Sciences (IC-MSQUARE), Budapest, Macaristan, 3 - 07 Eylül 2012, cilt.410
- XIII. **Fuzzy sliding mode controllers for vibration suppression of buildings**
HACIOĞLU Y., YAĞIZ N.
XV Scientific Convention of Engineering and Architecture (CCIA 15), Havana, Küba, 29 Kasım - 03 Aralık 2010, cilt.1, ss.1
- XIV. **Robust geri adımlamalı kontrol ile robot yörünge takibi**
HACIOĞLU Y., YAĞIZ N.
Otomatik Kontrol Ulusal Toplantısı 2009, İstanbul, Türkiye, 13 - 16 Ekim 2009, cilt.1, ss.1
- XV. **Sliding mode control of a vehicle with non-linearities**
YAĞIZ N., HACIOĞLU Y., TAŞKIN Y.
Sixth EUROMECH Nonlinear Dynamics Conference (ENOC-2008), Rusya
- XVI. **Geri adımlamalı kontrol ile taşıtların seyir konforunun iyileştirilmesi**
YAĞIZ N., HACIOĞLU Y.
13. Ulusal Makina Teorisi Sempozyumu, Sivas, Türkiye, 7 - 09 Haziran 2007, cilt.1, ss.1
- XVII. **Simultaneous trajectory manipulation of a dual-arm robot using sliding mode control**
YAĞIZ N., HACIOĞLU Y., ARSLAN Y. Z.
Proceedings of the 12-th International Conference on Aerospace Sciences & Aviation Technology, Kahire, Mısır, 29

- 31 Mayıs 2007, cilt.1, ss.1-12

XVIII. Robust control of a prosthetic hand finger

YAGIZ N., HACIOĞLU Y., ARSLAN Y. Z.

5th European Symposium on Biomedical Engineering, Yunanistan, ss.1-4

XIX. Vibration suppression of a vehicle with fuzzy sliding modes

TASKIN Y., Hacıoglu Y.

5th International Symposium on Intelligent Manufacturing Systems, Sakarya, Türkiye, 1 - 04 Mayıs 2006, ss.1132-1140

XX. Modeling and control of a humanoid robot hand finger

ARSLAN Y. Z., HACIOĞLU Y.

5th International Symposium on Intelligent Manufacturing Systems, Türkiye, ss.1141-1149

XXI. Bulanık mantıklı kayan kipli kontrol tasarımı ve robot yörünge takibinde uygulanması

Hacıoglu Y.

II. Mühendislik Bilimleri Genç Araştırmacılar Kongresi MBGAK 2005, İstanbul, Türkiye, 17 - 19 Kasım 2005, ss.325-335

Desteklenen Projeler

ARSLAN Y. Z., CANSIZ E., DOĞRU S. C., TAŞKIN Y., HACIOĞLU Y., Yükseköğretim Kurumları Destekli Proje, MANDİBULA KONDİL KIRIKLARINDA KULLANILAN FARKLI FİKSASYON MALZEMELERİNİN MEKANİK DEĞERLENDİRMESİ, 2017 - 2017

HACIOĞLU Y., Yükseköğretim Kurumları Destekli Proje, Suppression of building vibrations using PD+PI type fuzzy logic controller, 2014 - 2014

HACIOĞLU Y., Yükseköğretim Kurumları Destekli Proje, Control of vehicle active suspensions by using PD+PI type fuzzy logic with sliding surface, 2012 - 2012

Metrikler

Yayın: 50

Atıf (WoS): 419

Atıf (Scopus): 510

H-İndeks (WoS): 10

H-İndeks (Scopus): 11

Kongre ve Sempozyum Katılımı Faaliyetleri

FCTA 2014 - International Conference on Fuzzy Computation Theory and Applications, Katılımcı, Roma, İtalya, 2014