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Education Information

Doctorate, Syracuse University, L.C. Smith College Of Engineering, Mechanical & Aerospace Engineering Dept., United States Of America 2006 - 2012

Post Graduate, Cukurova University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Bölümü, Turkey 2001 - 2004

Under Graduate, Cukurova University, Mühendislik Mimarlık Fakültesi, Makine Mühendisliği Bölümü, Turkey 1997 - 2001

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Enriching STEP-Based Product Information Models to Support Product Life-Cycle Activities, Syracuse University, L.C. Smith College Of Engineering, Mechanical & Aerospace Engineering Department, 2012

Post Graduate, Modeling of Waterjet Intensifier and Materials Selection for Optimum Wall Thicknesses, Cukurova University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Bölümü, 2004

Research Areas

Mechanical Engineering, Machine Theory and Dynamics, Robotics, Mechatronics, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Cukurova University, Mühendislik Mimarlık Fakültesi, Makine Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Cukurova University, Mühendislik Mimarlık Fakültesi, Makine Mühendisliği Bölümü, 2013 - 2018

Research Assistant, Syracuse University, L.C. Smith College Of Engineering, Mechanical & Aerospace Engineering, 2006 - 2012

Research Assistant, Lehigh University, P.C. Rossin College Of Engineering And Applied Science , Mechanical Engineering And Mechanics, 2005 - 2006

PROFESSIONAL EXPERIENCE

Deputy Head of Department, Cukurova University, Mühendislik Mimarlık Fakültesi, Makine Mühendisliği Bölümü, 2013 - Continues

Courses

Engineering Mechanics I (Statics), Under Graduate, 2018 - 2019

Introduction to Product Lifecycle Management, Under Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019

Dynamics of Machinery, Under Graduate, 2016 - 2017, 2017 - 2018

Analytical METHODS in Engineering, Post Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019

Statistics and Quality Control, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019

Principles Of Mechanical Eng. I, Under Graduate, 2016 - 2017, 2017 - 2018, 2018 - 2019

Mechanisms, Under Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018

Dynamics of Machinery, Under Graduate, 2015 - 2016

Engineering Drawing, Under Graduate, 2013 - 2014

Strength of Materials, Under Graduate, 2013 - 2014

Measurement of Geometric Tolerances in Manufacturing, Under Graduate, 2013 - 2014

Analytical Methods in Engineering , Post Graduate, 2013 - 2014

Malzeme Bilimi, Under Graduate, 2013 - 2014

Machine Elements, Under Graduate, 2013 - 2014

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

- I. **Development of constant output–input force ratio in slider–crank mechanisms**
SARIGEÇİLİ M. İ. , AKÇALI İ. D.
Inverse Problems in Science and Engineering, vol.27, pp.565-588, 2019 (Journal Indexed in SCI)
- II. **Enriching STEP Product Model With Geometric Dimension and Tolerance Information for One-Dimensional Tolerance Analysis**
SARIGEÇİLİ M. İ. , Roy U., RACHURI S.
JOURNAL OF COMPUTING AND INFORMATION SCIENCE IN ENGINEERING, vol.17, no.2, 2017 (Journal Indexed in SCI)
- III. **Information Models for Processing Product Lifecycle Functionalities and Interfaces for Sustainable Manufacturing**
Roy U., Sarigecili M. İ.
JOURNAL OF COMPUTING AND INFORMATION SCIENCE IN ENGINEERING, vol.16, no.1, 2016 (Journal Indexed in SCI)
- IV. **Interpreting the semantics of GD&T specifications of a product for tolerance analysis**
Sarigecili M. İ. , Roy U., Rachuri S.
COMPUTER-AIDED DESIGN, vol.47, pp.72-84, 2014 (Journal Indexed in SCI)
- V. **Disassembly information model incorporating dynamic capabilities for disassembly sequence generation**
Zhu B., Sarigecili M. İ. , Roy U.
ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING, vol.29, no.5, pp.396-409, 2013 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Development of a Test Apparatus for Estimation of Friction Parameters at Linear Pneumatic Cylinders**
DAĞDELEN M., SARIGEÇİLİ M. İ.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.34, no.3, pp.131-141, 2019 (National Refreed University Journal)
- II. **Dynamic Modeling of Slider-Crank Mechanism for Selecting Input Parameters for Desired Piston Speeds: Lumped Mass Approach**
SARIGEÇİLİ M. İ. , AKÇALI İ. D.
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.33, no.4, pp.67-82, 2018 (National Refreed University Journal)
- III. **KRANK BİYEL MEKANİZMASINDA AÇIK KUVVET KONTROLÜ**
SARIGEÇİLİ M. İ. , AKÇALI İ. D.
Mühendis ve Makina, vol.57, no.675, pp.20-29, 2016 (Other Refereed National Journals)
- IV. **Krank Biyel Mekanizmasında Açık Kuvvet Kontrolü**
SARIGEÇİLİ M. İ. , AKÇALI İ. D.
Mühendis ve Makina, vol.57, no.675, pp.20-29, 2016 (Other Refereed National Journals)
- V. **Development of the integrated product information model for product sustainability assessment**
Roy U., Baysal M. M. , Sarigecili M. İ. , Shuaib M., Badurdeen F., Jawahir I.
International Journal of Sustainable Manufacturing, vol.3, no.2, pp.156-169, 2014 (Refereed Journals of Other Institutions)
- VI. **A disassembly process model for end-of-life activities of manufactured products**
Sarigecili M. İ. , Baysal M. M. , Zhu B., Roy U.
International Journal of Sustainable Manufacturing, vol.3, no.1, pp.37-56, 2013 (Refereed Journals of Other Institutions)
- VII. **Development of functionality-based conformance classes for ISO 10303 - conformance classes for tolerancing functionality**
Sarigecili M. İ. , Roy U., Rachuri S., Sriram R. D.
Computer-Aided Design and Applications, vol.6, no.2, pp.167-179, 2009 (Refereed Journals of Other Institutions)
- VIII. **3000 bar Çalışma Basıncılı Çift Etkili Basınç Yükseltici Tasarımı ve İmalatı**
GEREN N., BAYRAMOĞLU M., Ayseven A., SARIGEÇİLİ M. İ.
Ç. Ü. Müh. Mimarlık Fakültesi Dergisi, pp.49-53, 2003 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **DEVELOPMENT OF A PROTOTYPE EXPERIMENTAL SETUP FOR MACHINE LEARNING BASED CONTROL APPLICATIONS**
ÖZGÜR H. E. , DAĞDELEN M., SARIGEÇİLİ M. İ.
4. ÇUKUROVA ULUSLARARASI BİLİMSEL ARAŞTIRMALAR KONGRESİ, Adana, Turkey, 21 - 23 February 2020, pp.49-50
- II. **DOĞRUSAL POTANSİYOMETRELERİN MEKANİK SİSTEMLERDEKİ SÜRTÜNME KUVVETİNE ETKİSİ**
DAĞDELEN M., ÖZGÜR H. E. , SARIGEÇİLİ M. İ.
4. ÇUKUROVA ULUSLARARASI BİLİMSEL ARAŞTIRMALAR KONGRESİ, Adana, Turkey, 21 - 23 February 2020, pp.205-217
- III. **Friction Torque Estimation of Vane Type Semi-Rotary Pneumatic Actuators In The Form Of Combined Coulomb-Viscous Model**
DAĞDELEN M., SARIGEÇİLİ M. İ.
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, İstanbul, Turkey, 17 - 19 December 2019, pp.1152-1161
- IV. **DESIGN OF AN EXPERIMENTAL SETUP FOR DETERMINING FRICTION PARAMETERS OF LINEAR PNEUMATIC CYLINDERS**

DAĞDELEN M., SARIGEÇİLİ M. İ.

4TH INTERNATIONAL ENERGY & ENGINEERING CONGRESS, Gaziantep, Turkey, 24 - 25 October 2019, pp.637-638

- V. **Arduino Tabanlı On Altı Serbestlik Dereceli İnsansı Robot Tasarımı**
SATMAZ S., YAVUZ Ö., KÖMÜRKARA H., KARAYÜN A., ÇAYLAKLI A., ULUSAL M., CHAUDHARY S., AKYAR Y. C. ,
KIRINTI S., SARIGEÇİLİ M. İ.
XVI. Otomatik Kontrol Seminer ve Sergisi, Adana, Turkey, 24 April - 25 July 2019, pp.41-45
- VI. **TEMEL ULTRASONİK ÖLÇÜMLE 2B HARİTALAMA ÇALIŞMASI İÇİN DONANIM TASARIMI**
Özgür H. E. , SARIGEÇİLİ M. İ.
XVI. Otomatik Kontrol Seminer ve Sergisi, Adana, Turkey, 24 - 25 April 2019, pp.35-40
- VII. **Üst Uzuv Rehabilitasyon Robotlarında Kontrol Teknikleri**
DAĞDELEN M., SARIGEÇİLİ M. İ.
XVI. Otomatik Kontrol Seminer ve Sergisi, Adana, Turkey, 24 - 25 April 2019, pp.94-101
- VIII. **İki Serbestlik Dereceli Bilek ve Ön Kol Rehabilitasyon Robotunun Kapalı Çevrim Kontrolü**
DAĞDELEN M., SARIGEÇİLİ M. İ.
XV. OTOMATİK KONTROL SEMİNER VE SERGİSİ, Adana, Turkey, 25 - 26 May 2017, pp.57-65
- IX. **İKİ SERBESTLİK DERECELİ BİLEK VE ÖN KOL REHABİLİTASYON ROBOTUNUN KAPALI ÇEVİRİM KONTROLÜ**
DAĞDELEN M., SARIGEÇİLİ M. İ.
XV. OTOMATİK KONTROL SEMİNER VE SERGİSİ, Adana, Turkey, 25 - 26 May 2017, pp.57-65
- X. **PNÖMATİK TAHRİKLİ ALT UZUV REHABİLİTASYON ROBOTUNDA TEMEL POSİZYON KONTROLÜ**
OZGUR H. E. , SARIGEÇİLİ M. İ.
XV. Otomatik Kontrol Seminer ve Sergisi, Adana, Turkey, 25 - 26 May 2017, pp.129-133
- XI. **KRANK-BİYEL MEKANİZMASINDA HIZ KONTROLÜ**
SARIGEÇİLİ M. İ. , AKÇALI İ. D.
XV. Otomatik Kontrol Seminer ve Sergisi, Adana, Turkey, 25 - 26 May 2017, pp.148-154
- XII. **Development of a conceptual model for wrist/forearm rehabilitation robot with two degrees of freedom**
DAĞDELEN M., SARIGEÇİLİ M. İ.
25th International Conference on Robotics in Alpe-Adria-Danube Region, RAAD 2016, Belgrade, Serbia And Montenegro, 30 June - 02 July 2016, vol.540, pp.523-530
- XIII. **A method for adjusting moment input on an exoskeleton robot with fixed linear actuators**
Ozgur H. E. , SARIGEÇİLİ M. İ.
25th International Conference on Robotics in Alpe-Adria-Danube Region, RAAD 2016, Belgrade, Serbia And Montenegro, 30 June - 02 July 2016, vol.540, pp.507-514
- XIV. **DEVELOPMENT OF A CONCEPTUAL MODEL FOR WRIST/FOREARM REHABILITATION ROBOT WITH TWO DEGREES OF FREEDOM**
DAĞDELEN M., SARIGEÇİLİ M. İ.
PROCEEDINGS OF THE 25TH CONFERENCE ON ROBOTICS IN ALPE-DENUBE REGION (RAAD 2016), Belgrad, Serbia And Montenegro, 30 June - 02 July 2016, pp.523-530
- XV. **Ağırlık Destekli Yürüme Bandı Tabanlı Robotik Tedavi Sistemlerinde Yeni Bir Yaklaşım**
ÖZGÜR H. E. , SARIGEÇİLİ M. İ.
Endüstriyel Otomasyon Kongre ve Sergisi, Adana, Turkey, 14 - 16 May 2015, pp.163-169
- XVI. **Krank-Biyel Mekanizmasında Kuvvet Kontrolü**
AKÇALI İ. D. , SARIGEÇİLİ M. İ.
1. Endüstriyel Otomasyon Kongre ve Sergisi, Adana, Turkey, 14 - 16 May 2015, pp.183-192
- XVII. **OPTIMUM MATERIAL SELECTION FOR WATER-JET INTENSIFIER**
Sarigeçili M. İ. , Geren N.
15th International Materials Symposium (IMSP?2014), Denizli, Turkey, 15 - 17 October 2014, pp.800-810
- XVIII. **Development of an Integrated Product, Process and Material Information Model**
Roy U., SARIGEÇİLİ M. İ.
the ASME 2013 International Design Engineering Technical Conferences & Computers and Information in

Engineering Conference IDETC/CIE 2013, Portland, Oregon, United States Of America, 4 - 07 August 2013, vol.2A, pp.1-10

XIX. Disassembly Information Model Incorporating Dynamic Capabilities for Disassembly Sequence Generation

Zhu B., SARIGEÇİLİ M. İ. , Roy U.

10th Global Conference on Sustainable Manufacturing, İstanbul, Turkey, 31 October - 02 November 2012, pp.459-464

XX. Disassembly Process Model for End-of-Life (EOL) Activities for Manufactured Products

SARIGEÇİLİ M. İ. , Baysal M. M. , Zhu B., Roy U.

10th Global Conference on Sustainable Manufacturing, İstanbul, Turkey, 31 October - 02 November 2012, pp.441-446

XXI. Development of the Integrated Product Information Model for Product Sustainability Assessment

Roy U., Baysal M. M. , SARIGEÇİLİ M. İ. , Shuaib M., Badurdeen F., Jawahir I.

10th Global Conference on Sustainable Manufacturing, İstanbul, Turkey, 31 October - 02 November 2012, pp.254-259

XXII. An evaluation mechanism for defining gaps and overlaps of product information exchange standards

Sarigecili M. İ. , Baysal M. M. , Roy U., Rachuri S., Sriram R. D. , Mani M.

ASME International Mechanical Engineering Congress and Exposition, IMECE 2007, Seattle, WA, United States Of America, 11 - 15 November 2007, vol.3, pp.179-185

XXIII. Functional and behavioral representation of product information for collaboration in product lifecycle

Baysal M. M. , SARIGEÇİLİ M. İ. , Roy U.

ASME International Mechanical Engineering Congress and Exposition, IMECE 2007, Seattle, Wa, United States Of America, 11 - 15 November 2007, vol.3, pp.133-141

Scientific Refereeing

Journal of Engineering Design, SCI Journal, August 2018

Journal of Engineering Design, SCI Journal, June 2018

Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi , National Scientific Refreed Journal, May 2018

Citations

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