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Personal Information

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Konstrüksiyon ve İmalat, Turkey 1995 - 2003

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Konstrüksiyon, Turkey 1990 - 2001

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Robotik, Turkey 1991 - 1995

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Makine Mühendisliği, Turkey 1986 - 1990

Dissertations

Doctorate, Oransal valf ve hidrolik silindirden oluşan bir sistemin tanılanması ve konum kontrolü, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2003

Postgraduate, Servo sistemli hidrolik hareketlendiricilerin modellenmesi, sayısal benzetimi ve dinamik davranışlarının analizi, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, 2001

Postgraduate, Elektrohidrolik bir servo-sistemin simülasyonu, Istanbul Technical University, Fen Bilimleri Enstitüsü, 1995

Research Areas

Mechanical Engineering, Construction and Manufacturing, Tribology, Machine Design, Computer Aided Design and Manufacturing, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Yildiz Technical University, Faculty of Mechanical Engineering, Machine, 2011 - Continues

Lecturer PhD, Yildiz Technical University, Faculty Of Mechanical Engineering, Machine, 2003 - 2011

Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 1992 - 2003

Academic and Administrative Experience

Deputy Director of Continuing Education Center, Yildiz Technical University, -----, YILDIZ SEM, 2005 - 2020

Courses

KONSTRÜKSİYON ELEMANLARI, Undergraduate, 2019 - 2020
BİLGİSAYAR DESTEKLİ TASARIM, Undergraduate, 2019 - 2020
KATI MODELLEME VE HIZLI PROTOTİPLEME, Undergraduate, 2019 - 2020
GÜÇ İLETİMİ, Postgraduate, 2019 - 2020

Advising Theses

İstif İ., Pin on Disk Test Düzeneği İle Aşınma Karakteristiklerinin Modellenmesi, Doctorate, M.TUNÇ(Student), 2020
İstif İ., Üç Boyutlu Yazıcıda Çoklu Filaman Kullanımı İçin Alternatif Malzeme Değiştirici Tasarımı, Postgraduate, K.BOYALI(Student), 2019
İstif İ., GRAFEN KATKILI ALÜMİNYUM MATRİSLİ KOMPOZİTLERİN KURU SÜRTÜNMELİ AŞINMA ÖZELLİKLERİNİN DENEYSEL OLARAK İNCELENMESİ, Postgraduate, T.AKKAYA(Student), 2019
İstif İ., Deneysel aşınma modeli verileri için uygun parametre seçimi, Postgraduate, F.SİREK(Student), 2015

Designed Lessons

İstif İ., KONSTRÜKSİYON ELEMANLARI, Undergraduate, 2018 - 2019
İstif İ., BİLGİSAYAR DESTEKLİ TASARIM, Undergraduate, 2018 - 2019
İstif İ., KATI MODELLEME ve HIZLI PROTOTİPLEME, Undergraduate, 2018 - 2019

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

- I. **Investigation of tensile, viscoelastic, and viscoplastic behavior of polylactic acid manufactured by fused deposition modeling**
İSTİF İ., Feratoglu K., Colak Ö. Ü. , ACAR A.
Journal of Testing and Evaluation, vol.49, no.4, 2019 (Journal Indexed in SCI)
- II. **Dry sliding wear behavior of aluminum graphene nanoplatelet (GNP) composites**
İstif İ., Tuncel M. T.
MATERIALS TESTING, vol.58, pp.640-643, 2016 (Journal Indexed in SCI)
- III. **Non-Linear Modelling of PM Brake Lining Wear Behaviour**
İstif İ., Isin O., Uzunsoy E., Uzunsoy D.
MATERIALS TESTING, vol.54, pp.45-48, 2012 (Journal Indexed in SCI)
- IV. **Linear Model for PM Brake Lining Material Wear Behaviour**
İstif İ., Isin O., Uzunsoy E., Uzunsoy D.
MATERIALS TESTING-MATERIALS AND COMPONENTS TECHNOLOGY AND APPLICATION, vol.52, pp.795-799, 2010 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Identification of Dry Sliding Wear Behaviour of PLA Parts Manufactured by Fused Deposition Modelling**
İstif İ.
Dicle Üniversitesi Mühendislik Fakültesi, vol.12, no.2, pp.275-283, 2021 (National Refreed University Journal)
- II. **Investigation of Wear Behavior of Aluminum Alloy Reinforced with Carbon Nanotubes**
Uzunsoy D., Peng T., Chang I., İstif İ.
SAE International Journal of Materials and Manufacturing, vol.7, 2014 (Journal Indexed in ESCI)
- III. **Oransal valf kontrollü hidrolik silindir sisteminin konum kontrolü**
İstif İ., Kutlu K.

Refereed Congress / Symposium Publications in Proceedings

- I. **INVESTIGATION DESIGN OF WELDING FIXTURE AND JIG PARTS FOR TOPOLOGY OPTIMISATION**
Özer K., İstif İ., Barut E.
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, İstanbul, Turkey, 17 - 19 December 2019, pp.2352-2363
- II. **FDM 3B YAZICI İÇİN MALZEME DEĞİŞTİRME MEKANİZMASININ KAVRAMSAL VE NESNEL TASARIMI**
İstif İ., Boyalı K.
4th International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry 2019, Antalya, Turkey, 11 - 14 April 2019, pp.1396-1407
- III. **INVESTIGATION OF MECHANICAL BEHAVIOURS OF PLA PARTS MANUFACTURED BY FUSED DEPOSITION MODELING**
İstif İ., Feratoğlu K., Acar A.
56th ISC of the University of Ruse'17, Ruse, Bulgaria, 26 October 2017, pp.1-6
- IV. **Pin on disk test for aluminum graphene metal matrix composites**
İstif İ., Tunçel M., Dalkılıç A. S.
International Conference on Mechanical and Aeronautical Engineering, Bangkok, Thailand, 13 - 14 July 2016, pp.58-61
- V. **Non Linear ARX Modelling of Wear Properties of Aluminum Graphene Composite**
İstif İ., Tunçel M. T., Uzunsoy D.
International Congress on Natural and Engineering Sciences, Sarajevo, Bosnia And Herzegovina, 09 September 2015, pp.27
- VI. **Linear Modelling of Wear Properties of Aluminum Graphene Composite**
Tunçel M. T., İSTİF İ., Uzunsoy D.
International Congress on Natural and Engineering Sciences, Saraybosna, Bosnia And Herzegovina, 09 September 2015, pp.40
- VII. **A comparison and identification study of dry sliding wear behaviour of Al/B4CP and Mg/B4CP composites for automobile disk brakes**
İŞİN Ö., İSTİF İ., Uzunsoy D., Guleryuz F.
SAE 2014 World Congress and Exhibition, Detroit, MI, United States Of America, 8 - 10 April 2014, vol.1
- VIII. **Prediction of wear behavior of aluminum alloy reinforced with carbon nanotubes using nonlinear identification**
İSTİF İ., İŞİN Ö., Uzunsoy D., Peng T., Chang I.
SAE 2014 World Congress and Exhibition, Detroit, MI, United States Of America, 8 - 10 April 2014, vol.1
- IX. **Identification of dry sliding wear behavior of B4CP particulate reinforced Mg matrix composites for automobile disk brakes**
İSTİF İ., Işın Ö., Uzunsoy E., Uzunsoy D.
SAE 2013 World Congress and Exhibition, Detroit, MI, United States Of America, 16 - 18 April 2013, vol.2
- X. **Accuracy comparison of ARX and ANFIS model of PM brake lining wear behavior**
İŞİN Ö., İSTİF İ., Uzunsoy E., Uzunsoy D.
SAE 2013 World Congress and Exhibition, Detroit, MI, United States Of America, 16 - 18 April 2013, vol.2
- XI. **Correlation Among Engineering Students' Perceived Computer Self-Efficacy, Attitudes Toward Technology and Academic Achievement**
KARATAŞ H., ALCI B., İSTİF İ., GANI S.
IEEC 2012 : 2nd International Engineering Education Conference, Antalya, Turkey, 31 October 2012, pp.1-6
- XII. **Prediction of Wear Behavior Characteristics of PM Brake Lining Using Non Linear Modeling**
İSTİF İ., İŞİN Ö., UZUNSOY E., Uzunsoy D.
14th INTERNATIONAL CONFERENCE ADVACES IN MATERIAL & PROCESSING TECHNOLOGIES AMPT 2011,

İstanbul, Turkey, 13 July 2011, pp.179

XIII. Elektrohidrolik bir sistemin doğrusal tanılanması

İstif İ., Kutlu K. R. , Bolat B.

TOK 09 OTOMATİK KONTROL ULUSAL TOPLANTISI, İstanbul, Turkey, 13 - 16 October 2009, vol.1, pp.343-347

XIV. Strategies for Controlling Elevator Group Systems

BOLAT B., İSTİF İ., ALIŞVERİŞÇİ M.

TMT 2007, Hammamet, Tunisia, 05 September 2007, vol.1, pp.775-778

XV. A simulation study for the application of two different neural network control algorithms on an electro-hydraulic system

İSTİF İ.

Environmentally Conscious Manufacturing V, Boston, MA, United States Of America, 23 - 24 October 2005, vol.5997

XVI. NEURAL NETWORK PREDICTIVE CONTROL OF A SERVOVALVE DRIVEN HYDRAULIC MOTOR

İstif İ., Kongar N. E.

35th International Conference on COMPUTERS & INDUSTRIAL ENGINEERING, İstanbul, Turkey, 19 June 2005, vol.1, pp.1011-1015

XVII. EFFICIENT SUPPLY CHAIN VIA AGILE. PERFORMANCE EVALUATION (ESCAPE)

KONGAR N. E. , İSTİF İ.

35th International Conference on COMPUTERS & INDUSTRIAL ENGINEERING, İstanbul, Turkey, 19 June 2005, vol.2, pp.1191-1196

XVIII. BOND GRAPH MODELING and POSITION CONTROL of AN ELECTROHYDRAULIC ELEVATOR

İSTİF İ., SAĞIRLI A., Kutlu K.

ESDA 2002 6th Biennial Conference on Engineering Systems Design and Analysis, İstanbul, Turkey, 08 July 2002, pp.1-6

XIX. Servovalf kontrollü bir hidrolik motor sisteminin modellenmesi ve konum kontrolü

İSTİF İ., Kutlu K., SAĞIRLI A.

UMTS 2001 10. ULUSAL MAKİNA TEORİSİ SEMPOZYUMU, Konya, Turkey, 12 September 2001, vol.2, pp.451-458

XX. Elektrohidrolik Bir Servo Sistem PD Kontrolü

İSTİF İ., Kutlu K.

7. ULUSAL MAKİNA TEORİSİ SEMPOZYUMU, İstanbul, Turkey, 20 September 1995, vol.2, pp.509-515

Supported Projects

İSTİF İ., TUNCEL M. T. , Project Supported by Higher Education Institutions, PİN ON DİSK TEST DÜZENEGİ İLE AŞINMA KARAKTERİSTİKLERİNİN MODELLENMESİ, 2015 - 2020

Karataş H., Yurtseven N., Alcı B., İstif İ., TUBITAK Project, YILDIZ GİRİŞİMCİLİK AKADEMİSİ, 2014 - 2017

Scientific Refereeing

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, March 2021

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, February 2021

COMPOSITES, SCI Journal, June 2019

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, May 2017

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, April 2016

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, February 2016

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, February 2015

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, October 2012

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, May 2012

Citations

Total Citations (WOS):7

h-index (WOS):1