

## Asst. Prof. İlyas İSTİF

### Personal Information

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### Education Information

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

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

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

Under Graduate, 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

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

Post Graduate, 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

### Professional Experience

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

### Courses

KONSTRÜKSİYON ELEMANLARI, Under Graduate, 2019 - 2020  
BİLGİSAYAR DESTEKLİ TASARIM, Under Graduate, 2019 - 2020  
KATI MODELLEME VE HIZLI PROTOTİPLEME, Under Graduate, 2019 - 2020  
GÜÇ İLETİMİ, Post Graduate, 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, Post Graduate, K.BOYALI(Student), 2019  
İstif İ., GRAFEN KATKILI ALÜMİNYUM MATRİSLİ KOMPOZİTLERİN KURU SÜRTÜNMELİ AŞINMA ÖZELLİKLERİNİN DENEYSEL OLARAK İNCELENMESİ, Post Graduate, T.AKKAYA(Student), 2019  
İstif İ., Deneysel aşınma modeli verileri için uygun parametre seçimi, Post Graduate, F.SİREK(Student), 2015

### Designed Lessons

İstif İ., KONSTRÜKSİYON ELEMANLARI, Under Graduate, 2018 - 2019  
İstif İ., BİLGİSAYAR DESTEKLİ TASARIM, Under Graduate, 2018 - 2019  
İstif İ., KATI MODELLEME ve HIZLI PROTOTİPLEME, Under Graduate, 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, 2019 (Journal Indexed in SCI Expanded)
- 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. **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)
- II. **Oransal valf kontrollü hidrolik silindir sisteminin konum kontrolü**  
İstif İ., Kutlu K.  
İTÜ Dergisi Seri D: Mühendislik, vol.3, pp.77-86, 2004 (National Refreed University Journal)

## 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**  
IŞIN 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., IŞIN 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**  
IŞIN 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., GANİ 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., IŞIN 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 Servos Sistemin 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, Pin on disk deney düzeneğinde aşınma karakteristiklerinin modellenmesi, 2015 - 2020

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

## Scientific Refereeing

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

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