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International Researcher IDs

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Education Information

Doctorate, Inonu University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2015 - 2020

Postgraduate, Dicle University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2011 - 2014

Undergraduate, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 2005 - 2010

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, VIBRATION CONTROL OF A SMART PIEZO BEAM BY USING THE GAIN SCHEDULING H_∞ CONTROLLER BASED ON LPV MODEL, Inonu University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), 2020

Postgraduate, EFFECT OF CUTTING FORCES AND VIBRATIONS ON SURFACE ROUGHNESS ON TURNING OF AISI 1040 STEEL, Dicle University, Faculty Of Engineering, Department Of Mechanical Engineering, 2014

Research Areas

Mechanical Engineering, Machine Theory and Dynamics, Mechanical Vibrations, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Inonu University, Mühendislik Fakültesi, Makine Mühendisliği, 2015 - Continues

Research Assistant, Dicle University, Faculty Of Engineering, Department Of Mechanical Engineering, 2012 - 2015

Research Assistant, Sirnak University, Faculty Of Engineering, Department Of Mechanical Engineering, 2011 - 2012

Research Assistant, Akdeniz University, Yabancı Diller Yüksekokulu, 2010 - 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Vibration control of a smart piezo beam via gain scheduling H-infinity controller based on LPV model**
TURAN A., ŞAHİN M., ONAT C.
SMART STRUCTURES AND SYSTEMS, vol.27, no.1, pp.61-71, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **Manyetik Levitasyon Sistemleri İçin Ağırlıklı Geometrik Merkez Yöntemi ile PI-PD Kontrolcü Tasarımı**
ONAT C., DAŞKIN M., TURAN A., ÖZGÜVEN Ö.
Mühendis ve Makina, 2021 (Peer-Reviewed Journal)
- II. **Examination of the vibrations and surface roughness of the AISI 1040 steel by turning of different cutting parameters**
Yardımeden A., Turan A.
Dicle Üniversitesi Mühendislik Dergisi, vol.9, no.1, pp.269-278, 2018 (Peer-Reviewed Journal)
- III. **Gain scheduling linear model of an electro-hydraulic actuator**
ONAT C., DAŞKIN M., TURAN A.
An International Journal of Optimization and Control: Theories Applications (IJOCTA), vol.7, no.3, pp.301, 2017 (Peer-Reviewed Journal)
- IV. **The effect of cutting parameters on cutting force at AISI 1040 steel turning**
Yardımeden A., Turan A.
Dicle Üniversitesi Mühendislik Dergisi, vol.6, no.1, pp.51-59, 2015 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **ACTIVE VIBRATION SUPPRESSION OF A SMART BEAM VIA PID CONTROLLER DESIGNED THROUGH WEIGHTED GEOMETRIC CENTER METHOD**
Turan A., Onat C., Şahin M.
10th ANKARA INTERNATIONAL AEROSPACE CONFERENCE , Ankara, Turkey, 18 - 20 September 2019
- II. **Robust and Gain Scheduling PI Control of Varying Time Delay Systems**
ONAT C., TURAN A.
International Conference on Advances and Innovations in Engineering, 10 - 12 May 2017
- III. **WGC Based PID Tuning Method for Integrating Processes with Dead-time and Inverse Response**
ONAT C., TURAN A., DAŞKIN M.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, 10 - 12 May 2017
- IV. **GAIN SCHEDULING PI CONTROL OF AN ELECTRO-HYDRAULIC ACTUATOR FOR ACTIVE SUSPENSION SYSTEMS**
ONAT C., DAŞKIN M., TURAN A.
2nd INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES (CMES-2017), İstanbul, Turkey, 20 May - 22 June 2017, pp.79
- V. **GAIN SCHEDULING LINEAR MODEL OF AN ELECTRO-HYDRAULIC ACTUATOR**
ONAT C., DAŞKIN M., TURAN A.
The Second International Conference on Computational Mathematics and Engineering Sciences(CMES 2017), İstanbul, Turkey, 20 May - 22 June 2017, pp.20
- VI. **DESIGN OF DRUM BRAKE AND MODELLING OF BRAKE FORCES**
Turan A., Çekik R.
International Conference on Research in Education and Science (ICRES), Muğla, Turkey, 19 - 22 May 2016, pp.1372-1379

Supported Projects

ONAT C., TURAN A., Project Supported by Higher Education Institutions, LPV MODELE DAYANAN KAZANÇ
PROGRAMLAMALI H² KONTROLÇÜ İLE AKILLI BİR PİEZO KİRİŞİN TİTREŞİM KONTROLÜ, 2017 - 2020

Metrics

Publication: 12