

## **Asst. Prof. NECATİ ÖZBEY**

### **Personal Information**

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### **Education Information**

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

Post Graduate, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey 1999 - 2001

Under Graduate, Marmara University, Faculty Of Technical Education, Electric Education, Turkey 1985 - 1989

### **Dissertations**

Post Graduate, Kuvvetli Elektrik Alanı ve Gaz Boşalmaları Etkisiyle Yarı İletken ve Dielektrik Materyallerin Yüzeysel Aktivasyonu, Inonu University, Fen Bilimleri Enstitüsü, Elektrik - Elektronik , 2001

### **Research Areas**

Control and System Engineering, Electrical and Electronics Engineering, Engineering and Technology

### **Academic Titles / Tasks**

Lecturer, Inonu University, Malatya Meslek Yüksekokulu, Elektronik Ve Otomasyon, 1995 - Continues

### **Professional Experience**

Head of Department, Inonu University, 2020 - Continues

Assistant Director of Vocational School, Inonu University, 2020 - Continues

Head of Department, Inonu University, Malatya Myo, 2011 - Continues

Assistant Director of Vocational School, Inonu University, Malatya Myo, 2017 - 2019

### **Courses**

Electronic I, Associate Degree, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020

BİLGİSAYAR DESTEKLİ DEVRE TASARIMI, Associate Degree, 2019 - 2020

Electronic II, Associate Degree, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020

SENSÖRLER VE DÖNÜŞTÜRÜCÜLER, Associate Degree, 2019 - 2020

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

1. 2DOF multi-objective optimal tuning of disturbance reject fractional order PIDA controllers

**according to improved consensus oriented random search method**

Özbey N., Yeroğlu C., Alagöz B. B. , Herencsar N., Kartci A., Sotner R.

Journal of Advanced Research, vol.25, pp.159-170, 2020 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

- I. **Proportional Integral Accelerator Controller Design and Theoretical Investigation of Disturbance Rejection Performance**  
Özbey N., Yeroğlu C.  
Technium: Romanian Journal of Applied Sciences and Technology, vol.2, no.6, pp.112-121, 2020 (Refereed Journals of Other Institutions)
- II. **PIDA Denetçilerin Bozucu Dışlama Performansının Teorik İncelenmesi**  
ÖZBEY N., YEROĞLU C., ALAGÖZ B. B.  
Avrupa Bilim ve Teknoloji Dergisi, no.18, 2020 (Refereed Journals of Other Institutions)
- III. **Tabakalı kristallerde Termostimülasyon Depolarizasyon Akımlarının hesaplanması**  
ALİYEV H., FİLİNTE M. T. , ÖZBEY N.  
Journal of Science and Arts Faculty The Series of Natural Sciences (Phys),, no.2, pp.66-68, 1997 (Other Refereed National Journals)

## Books & Book Chapters

- I. **BİLGİSAYAR DESTEKLİ DEVRE TASARIM**  
ÖZBEY N.  
Evin Ofset ve Matbaacılık, Malatya, 2020

## Refereed Congress / Symposium Publications in Proceedings

- I. **SOS Algoritması ile Tasarlanan PIDA Denetçinin Bozucu Bastırma Etkisi**  
KARADENİZ E., ÖZBEY N., YEROĞLU C., KAHRAMAN H. T.  
International Conference on Artificial Intelligence and Data Processing (IDAP 2018), 28 - 30 September 2018
- II. **PIDA Denetçi Parametrelerinin PSO Algoritması ile Belirlenmesi**  
DONUK K., ÖZBEY N., İNAN M., YEROĞLU C., HANBAY D.  
International Conference on Artificial Intelligence and Data Processing (IDAP 2018), 28 - 30 September 2018
- III. **A Set-point Filter Type 2DOF Fractional Order PID Control System Design Scheme for Improved Disturbance Rejection Control**  
ÖZBEY N., ALAGÖZ B. B. , YEROĞLU C.  
Proceedings of International Conference on Fractional Differentiation and its Applications (ICFDA) 2018, Amman, Jordan, 16 - 18 July 2018
- IV. **Disturbance Rejection Effect of PIDA Controller Designed via SOS Algorithm**  
Karadeniz E., ÖZBEY N., YEROĞLU C., KAHRAMAN H. T.  
International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018
- V. **Kuvvetli elektrik alanlarının dielektriklerin elektrik iletkenliğine etkisi**  
Alisoy H., Herdem S., Özbey N.  
ELMEKSEM'97: Bursa IV. Elektromekanik Sempozyumu, Bursa, Turkey, 17 - 21 December 1997, pp.139-141