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Yoksis Araştırmacı ID: 120319

Eğitim Bilgileri

Doktora, İnönü Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Türkiye 2006 - 2011

Doktora, Trakya Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Türkiye 1996 - 2000

Yüksek Lisans, Trakya Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Türkiye 1994 - 1996

Lisans, Hacettepe Üniversitesi, Mühendislik Fakültesi, Elektronik Mühendisliği, Türkiye 1985 - 1991

Yaptığı Tezler

Doktora, Kesirdereceli kontrol sistemlerinin frekans cevaplarının hesaplanması ve tasarımı, İnönü Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, 2011

Doktora, Cam Eşya üretim sektöründe Bilgisayar Destekli üretim planlama ve bilgisayarlı üretim teknikleri, Trakya Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 2000

Yüksek Lisans, Unix İşletim sisteminde çok boyutlu performans analizi, Trakya Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 1996

Araştırma Alanları

Bilgi Sistemleri, Haberleşme ve Kontrol Mühendisliği, Kontrol ve Sistem Mühendisliği, Benzetim, Modelleme ve Tanıma, Doğrusal Olmayan Kontrol Sistemleri , Genel Sistem Kuramı , Gürbüz Kontrol, Kararlılık , Uyarlanırlı Sistemler , Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof.Dr., İnönü Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2019 - Devam Ediyor

Doç.Dr., İnönü Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2014 - 2019

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Yönetilen Tezler

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- I. **Optimal F-domain stabilization technique for reduction of commensurate fractional-order SISO systems**
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- VI. **Fine-Tuning of Feedback Gain Control for Hover Quad Copter Rotors by Stochastic Optimization Methods**
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- X. **Electronically reconfigurable two-path fractional-order PI/D controller employing constant phase blocks based on bilinear segments using CMOS modified current differencing unit**
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- XII. **Modified Artificial Physics Optimization for Multi-parameter Functions**
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- XIII. **Model Reference Adaptive Control Scheme for Retuning Method-Based Fractional-Order PID Control with Disturbance Rejection Applied to Closed-Loop Control of a Magnetic Levitation System**
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- XIV. **Stability Analysis of Fractional Order Multiple Linear Uncertain Systems: Exposed Edge Sampling Approach**
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- XXI. **Optimal fractional order PID design via Tabu Search based algorithm**
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- XXX. **Investigation of robust stability of fractional order multilinear affine systems: 2q-convex parpolygon approach**
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- XXXI. **Auto-tuning of PID controller according to fractional-order reference model approximation for DC rotor control**
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- XXXIV. **Classical controller design techniques for fractional order case**
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- XXXVI. **Effect of dielectric barrier discharge on the sorption properties of disperse porous materials in CO₂-silicagel and SF₆-silicagel systems**
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- II. **Harris Şahini Optimizasyon Algoritması ile Aktif Güç Kayıplarının Minimizasyonu**
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- III. **PIDA Denetçilerin Bozucu Dışlama Performansının Teorik İncelenmesi**
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- IV. **Multi-Loop Model Reference Proportional Integral Derivative Controls: Design and Performance Evaluations**
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- V. **Multi-loop Model Reference Adaptive PID Control for Fault-Tolerance**
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- VI. **Time-domain identification of One Noninteger Order Plus Time Delay models from step response measurements**
ALAGÖZ B. B., TEPLJAKOV A., ATEŞ A., PETLENKOV E., YEROĞLU C.
INTERNATIONAL JOURNAL OF MODELING SIMULATION AND SCIENTIFIC COMPUTING, cilt.10, sa.1, 2019 (ESCI)
- VII. **Multi-Parameter Optimization of Sliding-Mode Controller for Quadcopter Application**
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- VIII. **Fractional Order Darwinian PSO with Constraint Threshold for Load Flow Optimization of Energy Transmission System**
AKDAG O., Okumus F., KOCAMAZ A. F., YEROĞLU C.
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- IX. **Effects of fractional order integration on ASDM signals**
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- X. **Kesir dereceli model referans denetleyici ile görüntü işleme destekli nesne takip uygulaması**
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Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, cilt.22, ss.659-665, 2016 (Hakemli Dergi)
- XI. **SMDO algoritması ile iki serbestlik dereceli FOPID kontrol çevrimi tasarımı**
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- XII. **Implementation of Model Reference Adaptive Controller with Fractional Order Adjustment Rules for**

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XIII. Online Tuning of Two Degrees of Freedom Fractional Order Control Loops

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XIV. Two degrees of freedom FOPID control loop design via SMDO algorithm

ATEŞ A., YEROĞLU C.

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XV. Image processing based object tracking application with fractional-order model reference controller

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XVI. Fuzzy Velocity and Fuzzy Acceleration in Fractional Order Motion

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Kitap & Kitap Bölümleri

I. Fractional Order Filter Discretization by Particle Swarm Optimization Method

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I. Development of CNN architecture for Honey Bees Disease Condition

YEROĞLU C., HANBAY D., ÜZEN H.

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II. Feature Selection by Using Heuristic Methods for Text Classification

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III. Fractional Order Model Identification of Receptor-Ligand Complexes Formation by Equivalent Electrical Circuit Modeling

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IV. Fractional Order Filter Discretization by Particle Swarm Optimization Method

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V. Analogue Implementation of a Fractional-Order PI lambda Controller for DC Motor Speed Control

Herencsar N., Kartci A., Koton J., Sotner R., Alogoz B. B., Yeroğlu C.

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VI. Optimal Fractional Order PID Controller Design for Fractional Order Systems by Stochastic Multi

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VII. Biyocografya Tabanlı Optimizasyon ile Yangın Görüntülerinin Ayrıştırılması

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VIII. SOS Algoritması ile Tasarlanan PIDA Denetçinin Bozucu Bastırma Etkisi

KARADENİZ E., ÖZBEY N., YEROĞLU C., KAHRAMAN H. T.

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IX. PIDA Denetçi Parametrelerinin PSO Algoritması ile Belirlenmesi

DONUK K., ÖZBEY N., İNAN M., YEROĞLU C., HANBAY D.

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X. Malatya Public Transportation Route Optimization via Ant Colony Algorithm

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XI. Optimization of the FO[PI] Controller for MTDS using MAPO with Multi Objective Function

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XII. A Set-point Filter Type 2DOF Fractional Order PID Control System Design Scheme for Improved Disturbance Rejection Control

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XIV. A Numerical Study for Plant-Independent Evaluation of Fractional-order PID Controller Performance

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XV. Investigation of PIDA Controller Parameters via PSO Algorithm

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XVIII. FOPID Controllers and Their Industrial Applications: A Survey of Recent Results

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- XX. **Cat Swarm Based Shadow Detection Method**
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- XXI. **Genetic Algorithm Based Tree Segmentation**
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- XXII. **Obstructive Sleep Apnea Detection Using Lomb-Scargle Periodogram Method**
Kavuran G., YEROĞLU C.
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