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## Kişisel Bilgiler

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Yoksis Araştırmacı ID: 10927

## Eğitim Bilgileri

Doktora, University of Strathclyde, Elektrik-Elektronik Mühendisliği, Birleşik Krallık 1992 - 1995
Yüksek Lisans, Gaziantep Üniversitesi, Elektrik-Elektronik Mühendisliği, Türkiye 1988 - 1991
Lisans, Orta Doğu Teknik Üniversitesi, Elektrik-Elektronik Mühendisliği, Türkiye 1984 - 1988

## Araştırma Alanları

Bilgi Sistemleri, Haberleşme ve Kontrol Mühendisliği, Kontrol ve Sistem Mühendisliği, Mühendislik ve Teknoloji

## Akademik Unvanlar / Görevler

Prof.Dr., Çukurova Üniversitesi, Mühendislik Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği, 2005 - Devam Ediyor

## Akademik İdari Deneyim

Çukurova Üniversitesi, Mühendislik Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği, 2008 - Devam Ediyor

## Verdiği Dersler

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CONTROLLER IMPLEMENTION II, Yüksek Lisans, 2014 - 2015
PROCESS CONTROL, Lisans, 2014 - 2015
PROCESS CONTROLLER DESIGN, Lisans, 2014 - 2015
CONTROL THEORY, Lisans, 2014 - 2015
CONTROLLER IMPLEMENTION I, Yüksek Lisans, 2014 - 2015
Semiconductor Devices, Lisans, 2014 - 2015
SOFT COMPUTING CONTROL, Doktora, 2014 - 2015
ADAPTIVE CONTROL STRATEGIES, Doktora, 2013 - 2014
INTRODUCTION TO MODERN CONTROL, Yüksek Lisans, 2012 - 2013

## Yönetilen Tezler

EKER İ., Control of Time-Delayed Systems with Experimental Applications, Doktora, N.SİNAN(Öğrenci), 2018
EKER İ., Adaptive Fuzzy Type-2 in Control of 2-DOF Helicopter, Yüksek Lisans, D.MAOUCHE(Öğrenci), 2016
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## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

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VII. **Second-order integral sliding-mode control with experimental application**
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X. **Second-Order Sliding Mode Control with PI Sliding Surface and Experimental Application to an Electromechanical Plant**
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XI. **Variance sensitive adaptive threshold-based PCA method for fault detection with experimental application**
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XIV. **Fuzzy logic control to be conventional method**
Eker I., TORUN Y.
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XV. **Hybrid control for robotic manipulators**
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XIX. **Open-loop and closed-loop experimental on-line identification of a three-mass electromechanical system**
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XXI. **The design of robust multi-loop-cascaded hydro governors**
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XXVI. **Operation and simulation of city of Gaziantep water supply system in Turkey**
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XXVII. **Self-tuning control as conventional method**
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III. **GELİŞTİRİLMİŞ İKİNCİ DERECE KAYAN KİPLİ KONTROL: TEORİ VE DENEYSEL UYGULAMA.**
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IV. **Experimental evaluation of sliding-mode control techniques**
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VI. **Modelling of Power System Protection Signalling**
EKER İ., TÜMAY M., Erçelebi E.

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II. **Robust multivariable-cascade governor controller design for hydraulic power generation units**
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III. **ZAMAN GECİKMELİ SİSTEMLER İÇİN SMİTH ÖNGÖRÜCÜSÜ TABANLI İKİNCİ DERECEDEN KAYAN KİPLİ KONTROL**
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XVI. Otomatik Kontrol Seminer ve Sergisi, Türkiye, 24 - 25 Nisan 2019

IV. **Ağ Bağlantılı Kontrol Sistemlerinde Ağ Kısıtları Varlığında Kararlılık Analizi ve Kontrol Yöntemleri**
ÖZBEK N. S., EKER İ.
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V. **Design, Analysis and Experimental Application of a Fractional Sliding Mode Control for a Benchmark Process**
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3rd International Conference on Applied Automation and Industrial Diagnostics (ICAAID), Elazığ, Türkiye, 25 - 27 Eylül 2019

VI. **An Experimental Comparison and PerformanceAssessment of Nonlinear Control Techniques for aThermal Process**
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5th International Conference on Advanced Technology Sciences, 9 - 12 Mayıs 2017

VII. **Investigation of time-delayed controller design strategies for an electromechanical system**
Özbek N. S., EKER İ.
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VIII. **A fractional fuzzy PI-PD based modified smith predictor for controlling of FOPDT process**
Ozbek N. S., EKER İ.
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X. **A Novel Delay-Based Control Algorithm: Experimental Application to an Electromechanical System**
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ÖZBEK N. S., EKER İ.
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XIII. **A novel interactive system identification and control toolbox dedicated to real-time identification and model reference adaptive control experiments**
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XIV. **Bir Isıtma Havalandırma ve İklimlendirme HVAC Sisteminin Modellenmesi ve Modele Dayalı Öngörülü Kontrol Yöntemi ile Denetimi**
ÖZBEK N. S., EKER İ.
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XV. **Evaluation of risk factors and outcomes of invasive fungal infections in the first six months after allogeneic hematopoietic stem cell transplantation in pediatric acute leukemia: A Turkish multicenter study**
Hazar V., Karasu G., OZTURK G., Kilic S. C., Uygun V., KARAKÜKCÜ M., OZBEK N., GURSEL O., ATAY D., Kupesiz A., et al.
41st Annual Meeting of the European-Society-for-Blood-and-Marrow-Transplantation, İstanbul, Türkiye, 22 - 25 Mart 2015, cilt.50, ss.5579

XVI. **Wavelet - Based principal component analysis for process monitoring with experimental application**
Alkaya A., EKER İ.
8th International Conference on Electrical and Electronics Engineering, ELECO 2013, Bursa, Türkiye, 28 - 30 Kasım 2013, ss.634-638

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EKER İ., ALKAYA A.
7th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Türkiye, 1 - 04 Aralık 2011, ss.144-147

XVIII. **Sliding mode control with integral action and experimental application to an electromechanical system**
EKER İ., AKINAL S. A.
2005 ICSC Congress on Computational Intelligence Methods and Applications, İstanbul, Türkiye, 15 - 17 Aralık 2005, ss.1-6

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Proceedings of 2003 IEEE Conference on Control Applications, 2003. CCA 2003., İstanbul, Türkiye, 23 - 25 Haziran 2003, ss.60-65

XXVI. **Experimental nonlinear identification of a two mass system**
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XXVIII. **Multi-cascade robust governor design for hydroturbines**
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XXXI. **Design of multi-loop multivariable cascade hydrogovemors**
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XXXIV. **Power system stability control with robust multi-loop Automatic Voltage Regulators**
EKER İ., Johnson M.
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XXXV. **An advanced cascade control framework for process control applications**

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XXXVI. **Aspects of optimal cascade control design for the process control industries**
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## Desteklenen Projeler

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EKER İ., Aksoy M. M., Yükseköğretim Kurumları Destekli Proje, Fuzzy Iterative Learning Control with Applications, 2019 - 2021
EKER İ., Özbek N. S., Yükseköğretim Kurumları Destekli Proje, Zaman Gecikmeli Sistemlerin Kararlılık Analizi ve Kararlılaştırılması: Teori ve Uygulama, 2015 - 2018
EKER İ., Maouche D., Yükseköğretim Kurumları Destekli Proje, Tip-2 Bulanık Mantık Kontrolü ve İki Serbestlik Dereceli Helikopter Sistemi Üzerinde Uygulaması, 2016 - 2017
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IEEE Access, SCI Kapsamındaki Dergi, Haziran 2018
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Journal of Systems and Control Engineering, SCI Kapsamındaki Dergi, Mart 2018
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IEEE Access, SCI Kapsamındaki Dergi, Eylül 2017
IEEE Transactions on Industrial Electronics, SCI Kapsamındaki Dergi, Haziran 2017
IEEE Transactions on Industrial Electronics, SCI Kapsamındaki Dergi, Mayıs 2017

## Metrikler

Yayın: 74
Atıf (WoS): 695

Atıf (Scopus): 963
H-İndeks (WoS): 12
H-İndeks (Scopus): 15