

Prof. NUSRET TAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABG-8122-2020

ScopusID: 7202696962

Yoksis Researcher ID: 1746

Education Information

Doctorate, University of Sussex, United Kingdom 1996 - 2000

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1989 - 1994

Dissertations

Doctorate, Robust analysis and design of control systems with parametric uncertainty, University of Sussex, 2000

Research Areas

Information Systems, Communication and Control Engineering, Control and System Engineering, Analysis and Synthesis Methods, Simulation, Modelling and Identification, Controllers, Industrial automation, Checker, Stability, Mathematical Techniques, Engineering and Technology

Academic Titles / Tasks

Professor, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2009 - Continues

Associate Professor, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2004 - 2009

Assistant Professor, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2003 - 2004

Research Assistant, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2000 - 2003

Research Assistant, University of Sussex, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 1995 - 2000

Research Assistant, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 1995 - 1995

Academic and Administrative Experience

Fakülte Kurulu Üyesi, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2020 - Continues

Enstitü Yönetim Kurulu Üyesi, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2017 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2016 - Continues

Head of Department, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2004 - Continues
Bölüm Akademik Teşvik Değerlendirme Komisyonu Başkanı, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2016 - 2017
Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2014 - 2017
Fakülte Kurulu Üyesi, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2012 - 2017
Fakülte Yönetim Kurulu Üyesi, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2015 - 2016
Member of the Senate, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2015 - 2016
Inonu University, Malatya Meslek Yüksekokulu, 2015 - 2016
Inonu University, Rektörlük, 2009 - 2016
Ethics Committee Member, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2012 - 2015
Yüksekokul Yönetim Kurulu Üyesi, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2011 - 2014
Deputy Director of the Center, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2010 - 2012
Erasmus Program Department Coordinator, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2008 - 2012
Fakülte Kurulu Üyesi, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2008 - 2009
Deputy Head of Department, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2003 - 2009
Fakülte Kurulu Üyesi, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2003 - 2004

Courses

EEM530 Robust Kontrol, Undergraduate Double Major, 2013-2014
00452 Nonlineer Kontrol, Undergraduate, 2013-2014
00398 Bitirme Çalışması, Undergraduate, 2013-2014
00352 Kontrol Teoris, Undergraduate, 2013-2014
EEM544 Modern Kontrol Sistemlerinin Analiz ve Tasarımı, Undergraduate Double Major, 2013-2014
00499 Bitirme Çalışması , Undergraduate, 2013-2014
00451 Kontrol Sistem Tasarımı, Undergraduate, 2013-2014
EEM505 Sistemlerin Kararlılık Teorisi, Undergraduate Double Major, 2013-2014
EEM606 Doğrusal Olmayan Kontrol sistemleri, Undergraduate Minor, 2013-2014
00301 Sinyaller ve Sistemler, Undergraduate, 2013-2014

Advising Theses

Tan N., Üç fazlı gerilim kaynaklı da/aa eviriciler için kesir dereceli kontrol sistemi tasarımı, Doctorate, O.GÜL(Student), 2020
Tan N., Kesir dereceli kontrol sistemlerinde parametre optimizasyonuna dayalı kontrolör tasarımı, Doctorate, T.DOĞRUER(Student), 2019
Tan N., Labview ve raspberry pi 3 kullanarak sıcaklık kontrolü, Postgraduate, Ö.FARUK(Student), 2019
Tan N., Batarya yönetim sistemleri, Postgraduate, Y.EMRE(Student), 2019
Tan N., Kesir dereceli kontrol sistemlerinde zaman cevaplarının hesaplanması ve kontrol uygulamaları, Doctorate, A.YÜCE(Student), 2018
TAN N., Kesir dereceli sistemlerde modelleme ve kontrol uygulamaları, Doctorate, F.NUR(Student), 2017
TAN N., Kesirli dereceli kontrol sistemlerinin dayanıklı analiz ve tasarımı, Doctorate, M.MİNE(Student), 2013
TAN N., Kesir dereceli kontrol sistemlerinin frekans cevaplarının hesaplanması ve tasarımı, Doctorate, C.YEROĞLU(Student), 2011
TAN N., Belirsiz kontrol sistemlerinde tasarım ve performans analizi, Postgraduate, A.YENİGÜN(Student), 2008
TAN N., Dijital kontrol sistemlerinde dayanıklılık analizi, Postgraduate, Y.KARATAŞ(Student), 2007
TAN N., Dayanımlı LAG/LEAD kontrolör tasarımı, Postgraduate, M.MİNE(Student), 2006
TAN N., Dayanımlı PID kontroler tasarım metodlarının araştırılması ve geliştirilmesi, Postgraduate, F.YIKAN(Student),

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bingöl Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dicle Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dicle Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Tokat Gaziosmanpaşa Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Siirt Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Muş Alparslan Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dicle Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dicle Üniversitesi, December, 2022

Associate Professor Exam, Associate Professor Exam, ÜAK, October, 2022

Associate Professor Exam, Associate Professor Exam, ÜAK, October, 2022

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Siirt Üniversitesi, August, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Inonu University, July, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dicle Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Muş Alparslan Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dicle Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bingöl Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dicle Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Tokat Gaziosmanpaşa Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dicle Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Siirt Üniversitesi, June, 2022

Associate Professor Exam, Associate Professor Exam, ÜAK, March, 2022

Associate Professor Exam, Associate Professor Exam, ÜAK, March, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bingöl Üniversitesi, November, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Tokat Gaziosmanpaşa Üniversitesi, November, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Siirt Üniversitesi, November, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dicle Üniversitesi, June, 2021

Associate Professor Exam, Associate Professor Exam, ÜAK, May, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dicle Üniversitesi, September, 2020

Doctorate, Doctorate, İnönü Üniversitesi, July, 2020

Associate Professor Exam, Associate Professor Exam, ÜAK, March, 2020

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, İskenderun Teknik Üniversitesi, January, 2020

Doctorate, Doctorate, İnönü Üniversitesi, December, 2019
 PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dicle Üniversitesi, December, 2019
 Post Graduate, Post Graduate, İnönü Üniversitesi, June, 2019
 Post Graduate, Post Graduate, İnönü Üniversitesi, June, 2019
 Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Tekirdağ Namık Kemal Üniversitesi, May, 2019
 Appointment to Academic Staff-Professorship, Appointment Academic Staff, Siirt Üniversitesi, March, 2019
 Associate Professor Exam, Associate Professor Exam, ÜAK, March, 2019
 Appointment to Academic Staff-Professorship, Appointment Academic Staff, Fırat Üniversitesi, February, 2019
 Associate Professor Exam, Associate Professor Exam, ÜAK, September, 2018
 Appointment to Academic Staff-Professorship, Appointment Academic Staff, Tokat Gaziosmanpaşa Üniversitesi, July, 2018
 Appointment to Academic Staff-Professorship, Appointment Academic Staff, Fatih Sultan Mehmet Vakıf Üniversitesi, July, 2018
 Doctorate, Doctorate, İnönü Üniversitesi, July, 2018
 Doctorate, Doctorate, İnönü Üniversitesi, May, 2017
 Associate Professor Exam, Associate Professor Exam, ÜAK, June, 2016
 Associate Professor Exam, Associate Professor Exam, ÜAK, June, 2015
 Doctorate, Doctorate, İnönü Üniversitesi, April, 2013
 Doctorate, Doctorate, İnönü Üniversitesi, February, 2011
 Post Graduate, Post Graduate, İnönü Üniversitesi, June, 2008
 Post Graduate, Post Graduate, İnönü Üniversitesi, July, 2007
 Post Graduate, Post Graduate, İnönü Üniversitesi, June, 2006
 Doctorate, Doctorate, Gaziantep Üniversitesi, June, 2005
 Post Graduate, Post Graduate, İnönü Üniversitesi, June, 2005

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **On the approximate inverse Laplace transform of the transfer function with a single fractional order**
 Yuce A., TAN N.
 TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.43, no.6, pp.1376-1384, 2021 (SCI-Expanded)
- II. **PI-PD controller design for time delay systems via the weighted geometrical center method**
 Ozyetkin M. M., ONAT C., TAN N.
 ASIAN JOURNAL OF CONTROL, vol.22, no.5, pp.1811-1826, 2020 (SCI-Expanded)
- III. **Revisiting four approximation methods for fractional order transfer function implementations: Stability preservation, time and frequency response matching analyses**
 DENİZ F. N., ALAGÖZ B. B., TAN N., KÖSEOĞLU M.
 ANNUAL REVIEWS IN CONTROL, vol.49, pp.239-257, 2020 (SCI-Expanded)
- IV. **Limit cycles in relay systems with fractional order plants**
 Yuce A., TAN N., Atherton D. P.
 TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.41, no.15, pp.4424-4435, 2019 (SCI-Expanded)
- V. **Lead and lag controller design in fractional-order control systems**
 DOĞRUER T., TAN N.
 MEASUREMENT & CONTROL, vol.52, pp.1017-1028, 2019 (SCI-Expanded)
- VI. **Application of fractional-order voltage controller in building-integrated photovoltaic and wind turbine system**
 Gul O., TAN N.

MEASUREMENT & CONTROL, vol.52, pp.1145-1158, 2019 (SCI-Expanded)

- VII. **An integer order approximation method based on stability boundary locus for fractional order derivative/integrator operators**

DENİZ F. N., ALAGÖZ B. B., TAN N., Atherton D. P.

ISA TRANSACTIONS, vol.62, pp.154-163, 2016 (SCI-Expanded)

- VIII. **Implicit disturbance rejection performance analysis of closed loop control systems according to communication channel limitations**

ALAGÖZ B. B., TAN N., DENİZ F. N., KELEŞ C.

IET CONTROL THEORY AND APPLICATIONS, vol.9, no.17, pp.2522-2531, 2015 (SCI-Expanded)

- IX. **Stability region analysis in Smith predictor configurations using a PI controller**

DENİZ F. N., TAN N., HAMAMCI S. E., Kaya I.

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.37, no.5, pp.606-614, 2015 (SCI-Expanded)

- X. **Advances in Control Theory and Applications: Selected papers from TOK 2013**

HAMAMCI S. E., TAN N., EFE M. Ö., Söylemez M. T.

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.37, no.5, pp.579-581, 2015 (SCI-Expanded)

- XI. **Methods for computing the time response of fractional-order systems**

Atherton D. P., TAN N., Yuce A.

IET CONTROL THEORY AND APPLICATIONS, vol.9, no.6, pp.817-830, 2015 (SCI-Expanded)

- XII. **Disturbance rejection performance analyses of closed loop control systems by reference to disturbance ratio**

Alagoz B. B., DENİZ F. N., KELEŞ C., TAN N.

ISA TRANSACTIONS, vol.55, pp.63-71, 2015 (SCI-Expanded)

- XIII. **Note on describing function analysis of fractional order nonlinear control systems**

YEROĞLU C., TAN N.

Control and Cybernetics, vol.44, no.2, pp.233-255, 2015 (SCI-Expanded)

- XIV. **Limit cycles in nonlinear systems with fractional order plants**

ATHERTON D. P., TAN N., YEROĞLU C., Kavuran G., Yüce A.

Machines, vol.2, no.3, pp.176-201, 2014 (SCI-Expanded)

- XV. **Note on fractional-order proportional-integral-differential controller design**

YEROĞLU C., TAN N.

IET CONTROL THEORY AND APPLICATIONS, vol.5, no.17, pp.1978-1989, 2011 (SCI-Expanded)

- XVI. **Classical controller design techniques for fractional order case**

YEROĞLU C., TAN N.

ISA TRANSACTIONS, vol.50, no.3, pp.461-472, 2011 (SCI-Expanded)

- XVII. **Author's reply: A comment on the "Robust stability analysis of fractional order interval polynomials", by Nusret Tan et al.**

TAN N., Ozguven O. F., Ozyetkin M. M.

ISA TRANSACTIONS, vol.50, no.1, pp.12, 2011 (SCI-Expanded)

- XVIII. **Frequency Response Computation of Fractional Order Interval Transfer Functions**

Yeroglu C., OZYETKIN M. M., TAN N.

INTERNATIONAL JOURNAL OF CONTROL AUTOMATION AND SYSTEMS, vol.8, no.5, pp.1009-1017, 2010 (SCI-Expanded)

- XIX. **Computation of Stabilizing PI-PD Controllers**

Tan N.

INTERNATIONAL JOURNAL OF CONTROL AUTOMATION AND SYSTEMS, vol.7, no.2, pp.175-184, 2009 (SCI-Expanded)

- XX. **Robust stability analysis of fractional order interval polynomials**

TAN N., Oezgueven O. F., Ozyetkin M. M.

ISA TRANSACTIONS, vol.48, no.2, pp.166-172, 2009 (SCI-Expanded)

- XXI. **Effect of dielectric barrier discharge on the sorption properties of disperse porous materials in CO₂-silicagel and SF₆-silicagel systems**
ALISOY H. Z., Yeroglu C., KOSEOGLU M., TAN N.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.46, no.13, pp.4468-4473, 2007 (SCI-Expanded)
- XXII. **Improved cascade control structure for enhanced performance**
Kaya I., Tan N., Atherton D. P.
JOURNAL OF PROCESS CONTROL, vol.17, no.1, pp.3-16, 2007 (SCI-Expanded)
- XXIII. **Computation of stabilizing PI and PID controllers using the stability boundary locus**
Tan N., KAYA I., Yeroglu C., ATHERTON D. P.
ENERGY CONVERSION AND MANAGEMENT, vol.47, pp.3045-3058, 2006 (SCI-Expanded)
- XXIV. **Design of PI controllers for achieving time and frequency domain specifications simultaneously**
Hamamci S. E., Tan N.
ISA TRANSACTIONS, vol.45, no.4, pp.529-543, 2006 (SCI-Expanded)
- XXV. **Design of stabilizing PI and PID controllers**
Tan N., Atherton D. P.
INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE, vol.37, no.8, pp.543-554, 2006 (SCI-Expanded)
- XXVI. **A refinement procedure for PID controllers**
Kaya I., Tan N., Atherton D.
ELECTRICAL ENGINEERING, vol.88, no.3, pp.215-221, 2006 (SCI-Expanded)
- XXVII. **Computation of stabilizing PI and PID controllers for processes with time delay**
Tan N.
ISA TRANSACTIONS, vol.44, no.2, pp.213-223, 2005 (SCI-Expanded)
- XXVIII. **Robust phase margin, robust gain margin and Nyquist envelope of an interval plant family**
Tan N.
COMPUTERS & ELECTRICAL ENGINEERING, vol.30, no.2, pp.153-165, 2004 (SCI-Expanded)
- XXIX. **Computation of stabilizing Lag/Lead controller parameters**
Tan N.
COMPUTERS & ELECTRICAL ENGINEERING, vol.29, no.8, pp.835-849, 2003 (SCI-Expanded)
- XXX. **New approach to assessing the effects of parametric variations in feedback loops**
Tan N., Atherton D.
IEE PROCEEDINGS-CONTROL THEORY AND APPLICATIONS, vol.150, no.2, pp.101-111, 2003 (SCI-Expanded)
- XXXI. **Robustness analysis of control systems with mixed perturbations**
Tan N., Atherton D.
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.25, no.2, pp.163-184, 2003 (SCI-Expanded)
- XXXII. **Computation of the frequency response of multilinear affine systems**
Tan N.
IEEE TRANSACTIONS ON AUTOMATIC CONTROL, vol.47, no.10, pp.1691-1696, 2002 (SCI-Expanded)
- XXXIII. **Frequency response of uncertain systems: A 2q-convex parpolygonal approach**
Tan N., Atherton D.
IEE PROCEEDINGS-CONTROL THEORY AND APPLICATIONS, vol.147, no.5, pp.547-555, 2000 (SCI-Expanded)
- XXXIV. **Stability and performance analysis in an uncertain world**
TAN N., Atherton D.
COMPUTING & CONTROL ENGINEERING JOURNAL, vol.11, no.2, pp.91-101, 2000 (SCI-Expanded)

Articles Published in Other Journals

- I. **An experimental analog circuit realization of Matsuda's approximate fractional-order integral operators for industrial electronics**
KÖSEOĞLU M., DENİZ F. N., ALAGÖZ B. B., Yuce A., TAN N.

ENGINEERING RESEARCH EXPRESS, vol.3, no.4, 2021 (ESCI)

- II. **Elektrikli Araçlarda Batarya Yönetim Sistemleri Üzerine Bir Derleme Çalışması**
MENAK R., KARADAĞ T., ALTUĞ M., TAN N.
Gazi University Journal of Science Part A: Engineering and Innovation, vol.8, no.2, pp.234-275, 2021 (Peer-Reviewed Journal)
- III. **Electronic realisation technique for fractional order integrators**
Yuce A., TAN N.
JOURNAL OF ENGINEERING-JOE, vol.2020, no.5, pp.157-167, 2020 (ESCI)
- IV. **PI-PD Denetleyicisi ile Fotovoltaik ve Rüzgar Türbini Entegre Bina Sisteminde Gerilim Kontrolü**
GÜL O., TAN N.
Avrupa Bilim ve Teknoloji Dergisi, no.18, pp.992-1003, 2020 (Peer-Reviewed Journal)
- V. **REAL TIME CONTROL OF TWIN ROTOR MIMO SYSTEM WITH PID AND FRACTIONAL ORDER PID CONTROLLER**
DOĞRUER T., TAN N.
Mugla Journal of Science and Technology, 2020 (Peer-Reviewed Journal)
- VI. **Tuning of PI-PD Controller Based on Standard Forms for Fractional Order Systems**
DENİZ F. N., YÜCE A., TAN N.
Journal of Applied Nonlinear Dynamics, vol.8, no.1, pp.5-23, 2019 (Scopus)
- VII. **Charge and discharge characteristics of different types of batteries on a hybrid electric vehicle model and selection of suitable battery type for electric vehicles**
EKİCİ Y. E., TAN N.
International Journal of Automotive Science and Technology, 2019 (Peer-Reviewed Journal)
- VIII. **Analysis of Numerical Methods in Fractional Order Control Systems with Time Delay and Large Time Coefficient**
YÜCE A., DOĞRUER T., TAN N.
JOURNAL OF NEW RESULTS IN SCIENCE (JNRS), vol.7, no.3, pp.44-53, 2018 (Peer-Reviewed Journal)
- IX. **INVESTIGATION OF CHARGING AND DISCHARGING CHARACTERISTICS OF DIFFERENT TYPE BATTERIES USING TRAMBUS ACCELERATOR PEDAL DATA ON HYBRID ELECTRIC VEHICLE MODEL**
EKİCİ Y. E., TAN N.
The International Journal of Energy and Engineering Sciences, 2018 (Peer-Reviewed Journal)
- X. **An interactive design strategy for fractional order PI controllers in LabVIEW**
Yuce A., DENİZ F. N., TAN N., Atherton D. P.
INTERNATIONAL JOURNAL OF MODELLING IDENTIFICATION AND CONTROL, vol.29, no.4, pp.304-314, 2018 (ESCI)
- XI. **PID Controller Design Based on Reference Model in Fractional Order Control Systems**
DOĞRUER T., YÜCE A., TAN N.
Bilge International Journal of Science and Technology Research, vol.1, pp.52-58, 2017 (Peer-Reviewed Journal)
- XII. **PID Controller Design for a Fractional Order System using Bode's Ideal Transfer Function**
DOĞRUER T., YÜCE A., TAN N.
International Journal of Engineering Research and Development, vol.9, no.3, pp.126-135, 2017 (Peer-Reviewed Journal)
- XIII. **Zaman Gecikmesine Sahip Kesir Dereceli Bir Kontrol Sisteminde Optimizasyon Metodu Kullanılarak PID Kontrolör Tasarımı**
DOĞRUER T., YÜCE A., TAN N.
GAZİOSMANPAŞA BİLİMSEL ARAŞTIRMA DERGİSİ (GBAD) Gaziosmanpaşa Journal of Scientific Research, vol.6, no.ISMSIT2017, pp.30-39, 2017 (Peer-Reviewed Journal)
- XIV. **Computing step and impulse responses of closed loop fractional order time delay control systems using frequency response data**
TAN N., Atherton D. P., Yüce A.
International Journal of Dynamics and Control, vol.5, no.1, pp.30-39, 2017 (Scopus)
- XV. **Derivation of analytical inverse Laplace transform for fractional order integrator**

Yücef A., TAN N.

Journal of Applied Nonlinear Dynamics, vol.6, no.2, pp.303-314, 2017 (Scopus)

XVI. Kesirli Dereceli Kontrol Sistemleri Fractional Order Control Systems

TAN N.

Yeni Türkiye, vol.90, pp.28-45, 2016 (Peer-Reviewed Journal)

XVII. Design of Lag Lead Controller for Fractional Order Systems Containing Time Delay and Uncertainty
DOĞRUER T., TAN N.

Journal of New Results in Science, no.12, pp.96-109, 2016 (Peer-Reviewed Journal)

XVIII. Exact time response computation of control systems with fractional order lag and lead compensators

TAN N., ATHERTON D. P., YÜCE A., DENİZ F. N.

INTERNATIONAL JOURNAL OF CIRCUITS, SYSTEMS AND SIGNAL PROCESSING, vol.10, pp.260-268, 2016 (Scopus)

XIX. Kapalı Çevrim PID Kontrolör Tasarımında Birim Basamak Cevabı Çoklu Ölçüt Performans Haritalaması

DENİZ F. N., KELEŞ C., ALAGÖZ B. B., TAN N.

Sakarya Üniversitesi Fen Bilimleri Enstitüsü, vol.18, no.3, pp.157-165, 2014 (Peer-Reviewed Journal)

Books & Book Chapters

I. Engelliler ve Teknoloji

TAN N., TAĞLUK M. E.

in: Her Yönüyle Engellilik, Sermin Timur Taşhan Behice Erci, Editor, Anadolu Nobel Tıp Kitapevleri, pp.328-343, 2018

II. Nyquist envelope of fractional order transfer functions with parametric uncertainty

Tan N., Yeroğlu C., Özyetkin M.

in: New Trends in Nanotechnology and Fractional Calculus Applications, Dumitru Baleanu, Ziya B. Guvenc, J. A. Tenreiro Machado, Editor, Springer, London/Berlin, New York, pp.1-521, 2010

III. Systems with Variable Parameters; Classical Control Extensions for Undergraduates

Tan N., Atherton D. P., Dormido S.

in: Advances in Control Education 2003, Juha Lindfor, Editor, Elsevier Science, Oxford/Amsterdam, Oxford, pp.1-348, 2004

IV. Extensions of Classical Methods to Uncertain Systems: An Educational Perspective

Tan N., Atherton D. P.

in: Advances in Control Education 2000, L. Vlacic and M. Brisk, Editor, Pergamon Press, Oxford/Amsterdam, Oxford, pp.1-416, 2001

Refereed Congress / Symposium Publications in Proceedings

I. Çarpımsal Belirsizlik Modellenmesi İçin Gerekli Olan Ağırlık Fonksiyonunun Oluşturulması Üzerine Bazı Yöntemlerin İncelenmesi

Menak R., Tan N.

Elektrik, Elektronik ve Biyomedikal Mühendisliği Konferansı, ELECO 2022, Bursa, Turkey, 24 - 26 November 2022, pp.1-6

II. Model Derecesi İndirgeme Yöntemleri Kullanılarak Zaman Gecikmeli Sistemlerde Ağırlıklı Geometrik Merkez Yöntemi ile PI Kontrolör Tasarımı

İrgan H., Tan N.

Elektrik, Elektronik ve Biyomedikal Mühendisliği Konferansı, ELECO 2022, Bursa, Turkey, 24 - 26 November 2022, pp.1-6

III. Zaman Gecikmeli Sistemler için Model Derecesi İndirgeme Yöntemlerinin Analizi ve Karşılaştırması

İrgan H., Tan N.

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Scientific Consultations

TÜBA, Project Consultancy, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey, 2022 - Continues
TÜBİTAK, Project Consultancy, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey, 2021 - Continues
TÜBİTAK, Project Consultancy, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey, 2019 - Continues
TUBİTAK, Project Consultancy, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey, 2019 - Continues
TÜBİTAK, Project Consultancy, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey, 2021 - 2022
TUBİTAK, Project Consultancy, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey, 2020 - 2022
TÜBİTAK, Project Consultancy, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey, 2020 - 2022
TÜBİTAK, Project Consultancy, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey, 2020 - 2022
TÜBİTAK, Project Consultancy, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey, 2019 -

2020

TÜBİTAK, Project Consultancy, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey, 2018 - 2020

TÜBİTAK, Project Consultancy, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey, 2018 - 2020

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TÜBA, Project Consultancy, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey, 2015 - 2018

TÜBİTAK, Project Consultancy, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey, 2017 - 2017

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TÜBİTAK, Project Consultancy, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey, 2016 - 2017

TÜBİTAK, Project Consultancy, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey, 2013 - 2014

Tasks In Event Organizations

Tan N., Elektrik, Elektronik ve Biyomedikal Mühendisliği Konferansı, ELECO 2022, Scientific Congress, Bursa, Turkey, Kasım 2022

Tan N., Otomatik Kontrol Ulusal Toplantısı (TOK 2021), Scientific Congress, Van, Turkey, Eylül 2021

Tan N., Otomatik Kontrol Ulusal Toplantısı (TOK 2019), Scientific Congress, Muğla, Turkey, Eylül 2019

Tan N., 6th International Conference on Control Engineering and Information Technologies (CEIT 2018), Scientific Congress, İstanbul, Turkey, Ekim 2018

Tan N., 15th International Conference on Informatics in Control, Automation and Robotics (ICINCO 2017), Scientific Congress, Porto, Portugal, Temmuz 2018

Tan N., International Conference on Fractional Differentiation and Its Applications-ICFDA 18, Scientific Congress, Amman, Jordan, Haziran 2018

Tan N., 3rd IFAC Conference on Advances in Proportional-Integral-Derivative Control (PID18), Scientific Congress, Ghent, Belgium, Mayıs 2018

Tan N., Fifth International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA 2015), Scientific Congress, Girne, Cyprus (Kktc), Kasım 2017

Tan N., 8th International Advanced Technologies Symposium (IATS'17), Scientific Congress, Elazığ, Turkey, Ekim 2017

Tan N., 14th International Conference on Informatics in Control, Automation and Robotics (ICINCO 2017), Scientific Congress, Madrid, Spain, Temmuz 2017

Tan N., Fourth International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA 2016), Scientific Congress, Girne, Cyprus (Kktc), Kasım 2016

Tan N., International Conference on Science and Technology, New Turkey Strategic Research Center, Scientific Congress, Ankara, Turkey, Ekim 2016

Tan N., International Artificial Intelligence and Data Processing Symposium (IDAP) 2016, Scientific Congress, Malatya, Turkey, Eylül 2016

Tan N., International Conference on Fractional Differentiation and Its Applications-ICFDA 16, Scientific Congress, Novi-

Sad, Serbia, Temmuz 2016

Tan N., Otomatik Kontrol Ulusal Toplantısı (TOK'15), Scientific Congress, Denizli, Turkey, Eylül 2015

Tan N., Otomatik Kontrol Ulusal Toplantısı (TOK'14), Scientific Congress, Kocaeli, Turkey, Eylül 2014

Tan N., Otomatik Kontrol Ulusal Toplantısı Konferansları TOK2013, Scientific Congress, Malatya, Turkey, Eylül 2013

Tan N., IFAC Conference on Advances in PID Control PID'12, Scientific Congress, Brescia, Italy, Mart 2012

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H-Index (Scopus): 24

Congress and Symposium Activities

23. Otomatik Kontrol Ulusal Kongresi TOK 2022, Session Moderator, Elazığ, Turkey, 2022

13th INTERNATIONAL CONFERENCE on ELECTRICAL and ELECTRONICS ENGINEERING, Session Moderator, Bursa, Turkey, 2021

Otomatik Kontrol Ulusal Kongresi – TOK 2021, Moderator, Van, Turkey, 2021

11th International Conference on Electrical and Electronics Engineering-ELECO 2019, Attendee, Bursa, Turkey, 2019

Otomatik Kontrol Ulusal Toplantısı (TOK 2019), Session Moderator, Muğla, Turkey, 2019

6th International Conference on Control Engineering and Information Technologies (CEIT 2018), Attendee, İstanbul, Turkey, 2018

The International Conference on Fractional Differentiation and its Applications (ICFDA 2018), Attendee, Amman, Jordan, 2018

3rd IFAC Conference on Advances in Proportional-Integral-Derivative Control (PID18), Attendee, Ghent, Belgium, 2018

20th IFAC World Congress, (IFAC WC 2017), Attendee, Toulouse, France, 2017

International Conference on Research in Education and Science-ICRES 2016, Attendee, Muğla, Turkey, 2016

International Conference on Science and Technology, New Turkey Strategic Research Center,, Attendee, Ankara, Turkey, 2016

6th IFAC Symposium on System structure and Control & 13th IFAC Workshop on Time Delay Systems-SSSC 2016 & TDS 2016, Attendee, İstanbul, Turkey, 2016

International Symposium on Fractional Signals and Systems 2015-FSS 2015, Attendee, Cluj-Napoca, Romania, 2015

Second International Conference on Mathematics and Computers in Sciences and Industry-MCSI, Attendee, Sliema, Malta, 2015

15th IFAC World Congress, Barcelona, Attendee, Barcelona, Spain, 2002

2nd International Conferences on the Control of Industrial Processes, Attendee, Newcastle Upon Tyne, England, 1999

International Conference on Control'98, UKACC, Attendee, Swansea, England, 1998

IEE Colloquium: Robust Control-Theory, Software and Applications, Attendee, London, England, 1997