

Prof. CELALEDDİN YEROĞLU

Personal Information

Office Phone: [+90 0422 377 4832](tel:+9004223774832)

Email: c.yeroglu@inonu.edu.tr

Web: <https://avesis.inonu.edu.tr/c.yeroglu>

International Researcher IDs

ORCID: 0000-0002-6106-2374

Publons / Web Of Science ResearcherID: ABG-9572-2020

Yoksis Researcher ID: 120319

Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Turkey 2006 - 2011

Doctorate, Trakya University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 1996 - 2000

Postgraduate, Trakya University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 1994 - 1996

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Elektronik Mühendisliği, Turkey 1985 - 1991

Dissertations

Doctorate, Kesirdereceli kontrol sistemlerinin frekans cevaplarının hesaplanması ve tasarımları, Inonu University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, 2011

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

Postgraduate, Unix İşletim sisteminde çok boyutlu performans analizi, Trakya University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 1996

Research Areas

Information Systems, Communication and Control Engineering, Control and System Engineering, Simulation, Modelling and Identification, Nonlinear Systems, General System Theory, Checker, Stability, Adaptive Systems, Engineering and Technology

Academic Titles / Tasks

Professor, Inonu University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2019 - Continues

Associate Professor, Inonu University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2014 - 2019

Academic and Administrative Experience

Advising Theses

YEROĞLU C., Kesir dereceli diferansiyelin doğrusal olmayan denetim yöntemlerine ve sinyal işleme tekniklerine uygulanması, Doctorate, G.KAVURAN(Student), 2017

YEROĞLU C., Kesir dereceli belirsiz sistemler için dayanıklı analiz araçlarının ve arayüz programlarının geliştirilmesi, Doctorate, B.ŞENOL(Student), 2015

YEROĞLU C., Prototip helikopter sisteminin matematiksel modelinin deneysel belirlenmesi ve denetçi tasarımlı, Postgraduate, A.ATEŞ(Student), 2013

YEROĞLU C., Kesir dereceli kontrol sistemlerinin frekans cevaplarının analizi için MATLAB ortamında toolbox geliştirilmesi, Postgraduate, B.ŞENOL(Student), 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Optimal F-domain stabilization technique for reduction of commensurate fractional-order SISO systems**
Mahata S., Herencsar N., ALAGÖZ B. B., YEROĞLU C.
FRACTIONAL CALCULUS AND APPLIED ANALYSIS, vol.25, no.2, pp.803-821, 2022 (SCI-Expanded)
- II. **Adaptive protection method with fault current limiting mechanism for directional over current relays coordination problem**
YEROĞLU C., Akdag O.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.37, no.4, pp.1751-1765, 2022 (SCI-Expanded)
- III. **Modification of Harris hawks optimization algorithm with random distribution functions for optimum power flow problem**
Akdag O., ATEŞ A., YEROĞLU C.
NEURAL COMPUTING & APPLICATIONS, vol.33, no.6, pp.1959-1985, 2021 (SCI-Expanded)
- IV. **Optimal directional overcurrent relay coordination using MRFO algorithm: A case study of adaptive protection of the distribution network of the Hatay province of Turkey**
Akdag O., YEROĞLU C.
ELECTRIC POWER SYSTEMS RESEARCH, vol.192, 2021 (SCI-Expanded)
- V. **Optimal load flow via modified water cycle algorithm**
Akdag O., YEROĞLU C.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.2, pp.1119-1131, 2021 (SCI-Expanded)
- VI. **Fine-Tuning of Feedback Gain Control for Hover Quad Copter Rotors by Stochastic Optimization Methods**
ATEŞ A., ALAGÖZ B. B., Kavuran G., YEROĞLU C.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF ELECTRICAL ENGINEERING, vol.44, no.4, pp.1663-1672, 2020 (SCI-Expanded)
- VII. **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 (SCI-Expanded)
- VIII. **An evaluation of an offshore energy installation for the Black Sea region of Turkey and the effects on a regional decrease in greenhouse gas emissions**
Akdag O., YEROĞLU C.
GREENHOUSE GASES-SCIENCE AND TECHNOLOGY, vol.10, no.3, pp.531-544, 2020 (SCI-Expanded)
- IX. **Fine-Tuning of Feedback Gain Control for Hover Quad Copter Rotors by Stochastic Optimization Methods**
ATEŞ A., ALAGÖZ B. B., Kavuran G., YEROĞLU C.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF ELECTRICAL ENGINEERING, vol.1, no.2, pp.1-10, 2020 (SCI-Expanded)

- X. **Electronically reconfigurable two-path fractional-order PI/D controller employing constant phase blocks based on bilinear segments using CMOS modified current differencing unit**
 SOTNER R., JERABEK J., KARTCI A., DOMANSKY O., HERENCSAR N., KLEDROWETZ V., ALAGÖZ B. B., YEROĞLU C.
 MICROELECTRONICS JOURNAL, vol.86, pp.114-129, 2019 (SCI-Expanded)
- XI. **A theoretical investigation on moving average filtering solution for fixed-path map matching of noisy position data**
 ALAGÖZ B. B., ERTÜRKLER M., YEROĞLU C.
 INTERNATIONAL JOURNAL OF SENSOR NETWORKS, vol.29, no.4, pp.213-225, 2019 (SCI-Expanded)
- XII. **Modified Artificial Physics Optimization for Multi-parameter Functions**
 ATEŞ A., YEROĞLU C.
 IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF ELECTRICAL ENGINEERING, vol.42, no.4, pp.465-478, 2018 (SCI-Expanded)
- 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**
 TEPLJAKOV A., ALAGÖZ B. B., GONZALEZ E., PETLENKOV E., YEROĞLU C.
 JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.27, no.11, 2018 (SCI-Expanded)
- XIV. **Stability Analysis of Fractional Order Multiple Linear Uncertain Systems: Exposed Edge Sampling Approach**
 ŞENOL B., ATEŞ A., ALAGÖZ B. B., YEROĞLU C.
 CONTROL ENGINEERING AND APPLIED INFORMATICS, vol.20, no.2, pp.14-21, 2018 (SCI-Expanded)
- XV. **An Experimental Study on Model Reference Adaptive Control of TRMS by Error-Modified Fractional Order MIT Rule**
 Kavuran G., ATEŞ A., ALAGÖZ B. B., YEROĞLU C.
 CONTROL ENGINEERING AND APPLIED INFORMATICS, vol.19, no.4, pp.101-111, 2017 (SCI-Expanded)
- XVI. **Reference-shaping adaptive control by using gradient descent optimizers**
 ALAGÖZ B. B., Kavuran G., ATEŞ A., YEROĞLU C.
 PLOS ONE, vol.12, no.11, 2017 (SCI-Expanded)
- XVII. **Implementation of fractional order filters discretized by modified Fractional Order Darwinian Particle Swarm Optimization**
 ATEŞ A., ALAGÖZ B. B., Kavuran G., YEROĞLU C.
 MEASUREMENT, vol.107, pp.153-164, 2017 (SCI-Expanded)
- XVIII. **Linear systems with unstructured multiplicative uncertainty: Modeling and robust stability analysis**
 Matusu R., ŞENOL B., YEROĞLU C.
 PLOS ONE, vol.12, no.7, 2017 (SCI-Expanded)
- XIX. **Master-Slave Stochastic Optimization for Model-Free Controller Tuning**
 ATEŞ A., ALAGÖZ B. B., YEROĞLU C.
 IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF ELECTRICAL ENGINEERING, vol.41, no.2, pp.153-163, 2017 (SCI-Expanded)
- XX. **Simplified Frequency Response Computation of Fractional Order Systems with Multiple Linear Uncertainty Structures**
 ŞENOL B., YEROĞLU C.
 PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES INDIA SECTION A-PHYSICAL SCIENCES, vol.86, no.3, pp.361-369, 2016 (SCI-Expanded)
- XXI. **Optimal fractional order PID design via Tabu Search based algorithm**
 ATEŞ A., YEROĞLU C.
 ISA TRANSACTIONS, vol.60, pp.109-118, 2016 (SCI-Expanded)
- XXII. **Robust Stabilizing PID Controllers for Multiple Time Delay Systems with Parametric Uncertainty**
 Yeroglu C.
 CONTROL ENGINEERING AND APPLIED INFORMATICS, vol.17, no.3, pp.20-29, 2015 (SCI-Expanded)
- XXIII. **Probabilistic robust stabilization of fractional order systems with interval uncertainty**
 ALAGÖZ B. B., YEROĞLU C., ŞENOL B., ATEŞ A.

- ISA TRANSACTIONS, vol.57, pp.101-110, 2015 (SCI-Expanded)
- XXIV. **An experimental investigation for error-cube PID control**
ALAGÖZ B. B., ATEŞ A., YEROĞLU C., ŞENOL B.
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.37, no.5, pp.652-660, 2015 (SCI-Expanded)
- XXV. **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)
- XXVI. **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)
- XXVII. **A stochastic multi-parameters divergence method for online auto-tuning of fractional order PID controllers**
YEROĞLU C., ATEŞ A.
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, vol.351, no.5, pp.2411-2429, 2014 (SCI-Expanded)
- XXVIII. **A numerical investigation for robust stability of fractional-order uncertain systems**
ŞENOL B., ATEŞ A., ALAGÖZ B. B., YEROĞLU C.
ISA TRANSACTIONS, vol.53, no.2, pp.189-198, 2014 (SCI-Expanded)
- XXIX. **Sliding mode controller design with fractional order differentiation: applications for unstable time delay systems**
YEROĞLU C., Kavuran G.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.22, no.5, pp.1270-1286, 2014 (SCI-Expanded)
- XXX. **Investigation of robust stability of fractional order multilinear affine systems: 2q-convex parpolygon approach**
YEROĞLU C., ŞENOL B.
SYSTEMS & CONTROL LETTERS, vol.62, no.10, pp.845-855, 2013 (SCI-Expanded)
- XXXI. **Auto-tuning of PID controller according to fractional-order reference model approximation for DC rotor control**
ALAGÖZ B. B., ATEŞ A., YEROĞLU C.
MECHATRONICS, vol.23, no.7, pp.789-797, 2013 (SCI-Expanded)
- XXXII. **Frequency boundary of fractional order systems with nonlinear uncertainties**
ŞENOL B., YEROĞLU C.
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, vol.350, no.7, pp.1908-1925, 2013 (SCI-Expanded)
- XXXIII. **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)
- XXXIV. **Classical controller design techniques for fractional order case**
YEROĞLU C., TAN N.
ISA TRANSACTIONS, vol.50, no.3, pp.461-472, 2011 (SCI-Expanded)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **The evaluations of the influence of surface conductivity to the energy of particles in discharge**

channel and interaction force in contact charging process

ALISOY H. Z., ALISOY G. T., SAHIN A., Yeroglu C.

PHYSICS LETTERS A, vol.360, no.1, pp.14-21, 2006 (SCI-Expanded)

XXXVIII. 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)

XXXIX. Investigation of the characteristics of dielectric barrier discharge in the transition region

ALISOY H., Yeroglu C., KOSEOGLU M., HANSU F.

JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.38, no.24, pp.4272-4277, 2005 (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 (Peer-Reviewed Journal)

II. Harris Şahini Optimizasyon Algoritması ile Aktif Güç Kayıplarının Minimizasyonu

AKDAĞ O., ATEŞ A., YEROĞLU C.

Dokuz Eylül Üniversitesi Fen ve Mühendislik Dergisi, vol.22, no.65, pp.481-490, 2020 (Peer-Reviewed Journal)

III. PIDA Denetçilerin Bozucu Dışlama Performansının Teorik İncelenmesi

ÖZBEY N., YEROĞLU C., ALAGÖZ B. B.

Avrupa Bilim ve Teknoloji Dergisi, no.18, 2020 (Peer-Reviewed Journal)

IV. Multi-Loop Model Reference Proportional Integral Derivative Controls: Design and Performance Evaluations

ALAGÖZ B. B., TEPLJAKOV A., PETLENKOV E., YEROĞLU C.

ALGORITHMS, vol.13, no.2, 2020 (ESCI)

V. Multi-loop Model Reference Adaptive PID Control for Fault-Tolerance

ALAGÖZ B. B., KAVURAN G., ATEŞ A., YEROĞLU C., ALİSOY H.

BALKAN JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING, vol.7, no.3, pp.276-285, 2019 (Peer-Reviewed Journal)

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, vol.10, no.1, 2019 (ESCI)

VII. Multi-Parameter Optimization of Sliding-Mode Controller for Quadcopter Application

Dikmen İ. C., Karadağ T., Yeroğlu C.

Anatolian Science, vol.3, no.1, pp.14-28, 2018 (Peer-Reviewed Journal)

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.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.3, pp.831-844, 2018 (ESCI)

IX. Effects of fractional order integration on ASDM signals

Kavuran G., YEROĞLU C., ATEŞ A., ALAGÖZ B. B.

International Journal of Dynamics and Control, vol.5, no.1, pp.10-17, 2017 (Scopus)

X. Kesir dereceli model referans denetleyici ile görüntü işleme destekli nesne takip uygulaması

Kavuran G., ATEŞ A., ALAGÖZ B. B., YEROĞLU C.

Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.22, pp.659-665, 2016 (Peer-Reviewed Journal)

XI. SMDO algoritması ile iki serbestlik dereceli FOPID kontrol çevrimi tasarımı

ATEŞ A., YEROĞLU C.

- Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.22, pp.671-676, 2016 (Peer-Reviewed Journal)
- XII. Implementation of Model Reference Adaptive Controller with Fractional Order Adjustment Rules for Coaxial Rotor Control Test System**
 Kavuran G., ALAGÖZ B. B., ATEŞ A., YEROĞLU C.
 BALKAN JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING, vol.4, pp.84-88, 2016 (Peer-Reviewed Journal)
- XIII. Online Tuning of Two Degrees of Freedom Fractional Order Control Loops**
 ATEŞ A., YEROĞLU C.
 BALKAN JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING, vol.4, pp.5-10, 2016 (Peer-Reviewed Journal)
- XIV. Two degrees of freedom FOPID control loop design via SMDO algorithm**
 ATEŞ A., YEROĞLU C.
 PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BİLİMLERİ DERGİSİ, vol.22, no.8, pp.671-676, 2016 (ESCI)
- XV. Image processing based object tracking application with fractional-order model reference controller**
 Kavuran G., ATEŞ A., ALAGOZ B. B., YEROĞLU C.
 PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BİLİMLERİ DERGİSİ, vol.22, no.8, pp.659-665, 2016 (ESCI)
- XVI. Fuzzy Velocity and Fuzzy Acceleration in Fractional Order Motion**
 ATEŞ A., ALAGÖZ B. B., Alisoy G., YEROĞLU C., Alisoy H.
 BALKAN JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING, vol.3, pp.98-102, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

- I. Fractional Order Filter Discretization by Particle Swarm Optimization Method**
 IMIK O., ALAGÖZ B. B., ATEŞ A., YEROĞLU C.
 in: Mathematical Methods in Engineering, Taş K., Baleanu D., Machado T., Editor, Springer-Verlag , Cham, pp.133-144, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. Development of CNN architecture for Honey Bees Disease Condition**
 YEROĞLU C., HANBAY D., ÜZEN H.
 2019 International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 21 - 22 September 2019, pp.1-5
- II. Feature Selection by Using Heuristic Methods for Text Classification**
 YEROĞLU C., HANBAY D., Sel İ.
 2019 International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 21 - 22 September 2019, pp.1-6
- III. Fractional Order Model Identification of Receptor-Ligand Complexes Formation by Equivalent Electrical Circuit Modeling**
 ATEŞ A., ALAGÖZ B. B., Tepljakov A., Petlenkov E., YEROĞLU C., Kuznetsov A., Sobolev I.
 International Conference on Artificial Intelligence and Data Processing, Malatya, Turkey, 21 - 22 September 2019, vol.7, no.1, pp.1-6
- IV. Fractional Order Filter Discretization by Particle Swarm Optimization Method**
 Imik O., ALAGÖZ B. B., ATEŞ A., YEROĞLU C.
 International Symposium on Mathematical Methods in Engineering (MME), Ankara, Turkey, 27 - 29 April 2017, vol.23, pp.133-144
- 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., Yeroglu C.
 28th IEEE International Symposium on Industrial Electronics (IEEE-ISIE), Vancouver, Canada, 12 - 14 June 2019,
 pp.467-472
- VI. **Optimal Fractional Order PID Controller Design for Fractional Order Systems by Stochastic Multi Parameter Divergence Optimization Method with Different Random Distribution Functions**
 ATEŞ A., ALAGÖZ B. B., Chen Y. Q., YEROĞLU C., HosseinNia S. H.
 7th IEEE International Conference on Control, Mechatronics and Automation(ICCMA), Delft, Netherlands, 6 - 08 November 2019, no.2, pp.9-14
- VII. **Biyocografya Tabanlı Optimizasyon ile Yangın Görüntülerinin Ayırıştırılması**
 Toptaş B., HANBAY D., YEROĞLU C.
 International Conference on Artificial Intelligence and Data Processing (IDAP 2018), Malatya, Turkey, 28 - 30 September 2018, pp.1000-1004
- VIII. **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
- IX. **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
- X. **Malatya Public Transportation Route Optimization via Ant Colony Algorithm**
 ÖZTEMİZ F., YEROĞLU C.
 2018 International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018
- XI. **Optimization of the FO[PI] Controller for MTDS using MAPO with Multi Objective Function**
 Ateş A., Yeroğlu C., Yuan J., Chen Y., Hamamcı S. E.
 The International Conference on Fractional Differentiation and its Applications, Amman, Jordan, 16 - 18 July 2018
- XII. **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
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- XIV. **A Numerical Study for Plant-Independent Evaluation of Fractional-order PID Controller Performance**
 ALAGÖZ B. B., TEPLJAKOV A., YEROĞLU C., GONZALEZ E., HOSSEINNIA S. H., PETLENKOV E.
 3rd IFAC Conference on Advances in Proportional-Integral-Derivative Control (PID), Ghent, Belgium, 9 - 11 May 2018, vol.51, pp.539-544
- XV. **Investigation of PIDA Controller Parameters via PSO Algorithm**
 Donuk K., ÖZBEY N., İnan M., YEROĞLU C., HANBAY D.
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- XVI. **PID2018 Benchmark Challenge: Multi-Objective Stochastic Optimization Algorithm**
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- XVII. **Malatya Public Transportation Route Optimization via Ant Colony Algorithm**
 OZTEMIZ F., YEROĞLU C.
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- XVIII. **FOPID Controllers and Their Industrial Applications: A Survey of Recent Results**

- TEPLJAKOV A., ALAGÖZ B. B., YEROĞLU C., GONZALEZ E., HOSSEINNIA S. H., PETLENKOV E.
3rd IFAC Conference on Advances in Proportional-Integral-Derivative Control (PID), Ghent, Belgium, 9 - 11 May
2018, vol.51, pp.25-30
- XIX. **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
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- XX. **Cat Swarm Based Shadow Detection Method**
Firildak K., Karaduman M., TALU M. F., YEROĞLU C.
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- XXI. **Genetic Algorithm Based Tree Segmentation**
Varjovi M. H., ALTUN S., TALU M. F., YEROĞLU C.
International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September
2018
- XXII. **Obstructive Sleep Apnea Detection Using Lomb-Scargle Periodogram Method**
Kavuran G., YEROĞLU C.
International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September
2018
- XXIII. **Vortex Optimization Algorithm Based Fabric Defect Detection**
Yazan E., Celik G., TALU M. F., YEROĞLU C.
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- XXIV. **Separation of Fire Images with Biogeography-Based Optimization**
TOPTAS B., HANBAY D., YEROĞLU C.
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- XXV. **DISTURBANCE REJECTION FOPID CONTROL OF ROTOR BY MULTI-OBJECTIVE BB-BC OPTIMIZATION ALGORITHM**
ATEŞ A., ALAGÖZ B. B., YEROĞLU C., YUAN J., CHEN Y.
Proceedings of the ASME 2017 International Design Engineering Technical Conferences and Computers and
Information in Engineering Conference IDETC/CIE 2017, Cleveland, United States Of America, 6 - 09 August 2017,
pp.1-6
- XXVI. **Numerical Modelling of Inaccessible Subsystem Dynamics: An Application for Control Engineering Practices**
Alisoy H., Kavuran G., ATEŞ A., ALAGÖZ B. B., YEROĞLU C.
International Conference of Mathematical Modelling and Engineering (MME), Ankara, Turkey, 27 - 29 April 2017,
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