

Assoc. Prof. BARIŞ BAYKANT ALAGÖZ

Personal Information

Office Phone: [+90 422 377 4884](tel:+904223774884) Extension: 161

Fax Phone: [+90 422 377 4884](tel:+904223774884)

Email: baykant.alagoz@inonu.edu.tr

Web: <https://avesis.inonu.edu.tr/baykant.alagoz>

Education Information

Doctorate, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2011 - 2015

Post Graduate, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2009 - 2011

Under Graduate, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, Turkey 1992 - 1998

Dissertations

Doctorate, Değişken üretim ve değişken talep koşullarında akıllı şebekelerde enerji dengeleme, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2015

Post Graduate, Değişken gradyanlı elektriksel alanda meydana gelen uzay yüklerinin modellenmesi ve benzetimi, Inonu University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2011

Research Areas

Information Systems, Communication and Control Engineering, Computer Sciences, Electrical and Electronics Engineering

Academic Titles / Tasks

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

Assistant Professor, Inonu University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2018 - 2019

Assistant Professor, Inonu University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2016 - 2018

Advising Theses

Alagöz B. B. , Parçacık sürüsü optimizasyon yöntemi ile kesir dereceli filtre gerçekleştirilmesi, Post Graduate, Ö.İMİK(Student), 2018

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)

- II. **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, 2020 (Journal Indexed in SCI)
- III. **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.10, pp.1-10, 2020 (Journal Indexed in SCI Expanded)
- IV. **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 (Journal Indexed in SCI)
- V. **Disturbance rejection FOPID controller design in v-domain**
Tufenkci S., ŞENOL B., ALAGÖZ B. B. , Matušů R.
Journal of Advanced Research, 2020 (Journal Indexed in SCI Expanded)
- VI. **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., HERENC SAR N., KLEDROWETZ V., ALAGÖZ B. B. , YEROĞLU C.
MICROELECTRONICS JOURNAL, vol.86, pp.114-129, 2019 (Journal Indexed in SCI)
- VII. **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, pp.213-225, 2019 (Journal Indexed in SCI)
- VIII. **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, 2018 (Journal Indexed in SCI)
- IX. **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, pp.14-21, 2018 (Journal Indexed in SCI)
- X. **Fractional order linear time invariant system stabilization by brute-force search**
ALAGÖZ B. B.
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.40, pp.1447-1456, 2018 (Journal Indexed in SCI)
- XI. **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, pp.101-111, 2017 (Journal Indexed in SCI)
- XII. **Reference-shaping adaptive control by using gradient descent optimizers**
ALAGÖZ B. B. , Kavuran G., ATEŞ A., YEROĞLU C.
PLOS ONE, vol.12, 2017 (Journal Indexed in SCI)
- XIII. **Hurwitz stability analysis of fractional order LTI systems according to principal characteristic equations**
ALAGÖZ B. B.
ISA TRANSACTIONS, vol.70, pp.7-15, 2017 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI)
- XV. **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,
pp.153-163, 2017 (Journal Indexed in SCI)
- XVI. **A note on applications of time-domain solution of Cole permittivity models**
ALAGÖZ B. B. , Alisoy G., ALAGÖZ S., ALİSOY H.
OPTIK, vol.139, pp.272-282, 2017 (Journal Indexed in SCI)
- XVII. **Dynamic energy pricing by closed-loop fractional-order PI control system and energy balancing in smart grid energy markets**
ALAGÖZ B. B. , KAYGUSUZ A.
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.38, pp.565-578, 2016 (Journal Indexed in SCI)
- XVIII. **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 (Journal Indexed in SCI)
- XIX. **Utilization of energy from waste potential in Turkey as distributed secondary renewable energy source**
BARAN B., MAMİŞ M. S. , ALAGÖZ B. B.
RENEWABLE ENERGY, vol.90, pp.493-500, 2016 (Journal Indexed in SCI)
- XX. **Power regulated DC/DC driver design by hierarchical control**
ALAGÖZ B. B. , KELEŞ C., KAYGUSUZ A., KAPLAN Y., KARABİBER A.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, pp.1325-1339, 2016 (Journal Indexed in SCI)
- XXI. **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, pp.2522-2531, 2015 (Journal Indexed in SCI)
- XXII. **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 (Journal Indexed in SCI)
- XXIII. **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, pp.652-660, 2015 (Journal Indexed in SCI)
- XXIV. **Negative refractions by triangular lattice sonic crystals in partial band gaps**
ALAGÖZ S., ALAGÖZ B. B. , ŞAHİN A., NUR S.
CHINESE PHYSICS B, vol.24, 2015 (Journal Indexed in SCI)
- XXV. **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 (Journal Indexed in SCI)
- XXVI. **A numerical investigation for robust stability of fractional-order uncertain systems**
ŞENOL B., ATEŞ A., ALAGÖZ B. B. , YEROĞLU C.
ISA TRANSACTIONS, vol.53, pp.189-198, 2014 (Journal Indexed in SCI)
- XXVII. **Spatio-spectral analyses of electromagnetic wave energy absorption and heating effect**
ALİSOY H. Z. , ALAGÖZ B. B. , US S. B. , DENİZ F. N. , ALAGÖZ S.
OPTIK, vol.125, pp.4124-4130, 2014 (Journal Indexed in SCI)
- XXVIII. **An Investigation of Ionic Flows in a Sphere-Plate Electrode Gap**

- ALISOY H. Z. , ALAGÖZ S., ALISOY G. T. , ALAGÖZ B. B.
 PLASMA SCIENCE & TECHNOLOGY, vol.15, pp.1012-1019, 2013 (Journal Indexed in SCI)
- XXIX. **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, pp.789-797, 2013 (Journal Indexed in SCI)
- XXX. **A closed-loop energy price controlling method for real-time energy balancing in a smart grid energy market**
 ALAGÖZ B. B. , KAYGUSUZ A., AKCIN M., ALAGÖZ S.
 ENERGY, vol.59, pp.95-104, 2013 (Journal Indexed in SCI)
- XXXI. **Renewable energy integration for smart sites**
 KAYGUSUZ A., KELEŞ C., ALAGÖZ B. B. , Karabiber A.
 ENERGY AND BUILDINGS, vol.64, pp.456-462, 2013 (Journal Indexed in SCI)
- XXXII. **Theoretical demonstration of the hybrid focusing points of sonic crystal flat lenses and possible applications**
 Alagoz S., Alagoz B. B.
 CHINESE PHYSICS B, vol.22, 2013 (Journal Indexed in SCI)
- XXXIII. **Sonic crystal acoustic switch device**
 ALAGÖZ S., ALAGÖZ B. B.
 JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, vol.133, 2013 (Journal Indexed in SCI)
- XXXIV. **An approach for the integration of renewable distributed generation in hybrid DC/AC microgrids**
 KARABIBER A., KELEŞ C., KAYGUSUZ A., ALAGÖZ B. B.
 RENEWABLE ENERGY, vol.52, pp.251-259, 2013 (Journal Indexed in SCI)
- XXXV. **A user-mode distributed energy management architecture for smart grid applications**
 ALAGÖZ B. B. , KAYGUSUZ A., Karabiber A.
 ENERGY, vol.44, pp.167-177, 2012 (Journal Indexed in SCI)
- XXXVI. **A space charge motion simulation with FDTD method and application in negative corona electrostatic field analysis**
 ALAGÖZ B. B. , ALISOY H. Z. , ALAGÖZ S., HANSU F.
 APPLIED MATHEMATICS AND COMPUTATION, vol.218, pp.9007-9017, 2012 (Journal Indexed in SCI)
- XXXVII. **A distance-based dynamical transition analysis of time series signals and application to biological systems**
 ALAGÖZ S., ALAGÖZ B. B.
 JOURNAL OF BIOLOGICAL PHYSICS, vol.38, pp.293-303, 2012 (Journal Indexed in SCI)
- XXXVIII. **A numerical method for the analysis of polydisperse aerosol particles charging in a coaxial electrode system**
 ALISOY H. Z. , ALAGÖZ S., Alisoy G. H. , ALAGÖZ B. B.
 JOURNAL OF ELECTROSTATICS, vol.70, pp.111-116, 2012 (Journal Indexed in SCI)
- XXXIX. **An analysis of corona field charging kinetics for polydisperse aerosol particles by considering concentration and mobility**
 ALISOY H. Z. , ALAGÖZ B. B. , ALISOY G. H.
 JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.43, 2010 (Journal Indexed in SCI)
- XL. **Frequency-controlled wave focusing by a sonic crystal lens**
 ALAGÖZ S., KAYA O. A. , ALAGÖZ B. B.
 APPLIED ACOUSTICS, vol.70, pp.1400-1405, 2009 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **A NARX Model Reference Adaptive Control Scheme: Improved Disturbance Rejection Fractional-Order PID Control of an Experimental Magnetic Levitation System**

Alimohammadi H., ALAGÖZ B. B. , Tepljakov A., Vassiljeva K., Petlenkov E.

ALGORITHMS, vol.13, 2020 (Journal Indexed in ESCI)

- II. **PIDA Denetçilerin Bozucu Dışlama Performansının Teorik İncelenmesi**
ÖZBEY N., YEROĞLU C., ALAGÖZ B. B.
Avrupa Bilim ve Teknoloji Dergisi, 2020 (Refereed Journals of Other Institutions)
- III. **Multi-Loop Model Reference Proportional Integral Derivative Controls: Design and Performance Evaluations**
ALAGÖZ B. B. , Tepljakov A., Petlenkov E., YEROĞLU C.
ALGORITHMS, vol.13, 2020 (Journal Indexed in ESCI)
- IV. **V- alanında Minimum Açılı Kutup Yerleşimi Yöntemine Göre Kesir Dereceli PI Denetçi Tasarımı ve Dayanıklı Kontrol Performansının İncelenmesi**
Tüfenkçi S., ŞENOL B., ALAGÖZ B. B.
Avrupa Bilim ve Teknoloji Dergisi, pp.9-19, 2019 (Other Refereed National Journals)
- 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, pp.276-285, 2019 (Other Refereed National Journals)
- 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, 2019 (Journal Indexed in ESCI)
- VII. **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, pp.10-17, 2017 (Refereed Journals of Other Institutions)
- VIII. **Modeling and analysis of dielectric materials by using gradient-descent optimization method**
ALAGÖZ B. B. , Alisoy H. Z. , KÖSEOĞLU M., ALAGÖZ S.
INTERNATIONAL JOURNAL OF MODELING SIMULATION AND SCIENTIFIC COMPUTING, vol.8, 2017 (Journal Indexed in ESCI)
- IX. **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, no.8, pp.659-665, 2016 (National Refreed University Journal)
- X. **A Note on Robust Stability Analysis of Fractional Order Interval Systems by Minimum Argument Vertex and Edge Polynomials**
ALAGÖZ B. B.
IEEE-CAA JOURNAL OF AUTOMATICA SINICA, vol.3, pp.411-421, 2016 (Journal Indexed in ESCI)
- XI. **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, no.2, pp.84-88, 2016 (Refereed Journals of Other Institutions)
- XII. **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 BILIMLERI DERGISI, vol.22, pp.659-665, 2016 (Journal Indexed in ESCI)
- XIII. **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, no.2, pp.98-102, 2015 (International Refereed University Journal)
- XIV. **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, pp.157-165, 2014 (National Refreed University Journal)

XV. **Monte Carlo simulation-based planning method for overload safe electrical power systems**

KAYGUSUZ A., ALAGÖZ B. B. , AKCIN M., KELEŞ C., Karabiber A., Gul O.

Journal of Electrical Engineering, vol.14, pp.328-335, 2014 (Refereed Journals of Other Institutions)

XVI. **Dağıtık Kontrol ile Akıllı Şebekelerde Geniş-Alan Yönetimi ve Geleceğe Dönük Projeksiyonlar**

AKCIN M., ALAGÖZ B. B. , KELEŞ C., KARABİBER A., KAYGUSUZ A.

Sakarya Üniversitesi Fen Bilimleri Dergisi, vol.17, pp.457-470, 2013 (National Refreed University Journal)

XVII. **Dağıtık Kontrol ile Akıllı Şebekelerde Geniş-Alan Yönetimi ve Geleceğe Dönük Projeksiyonlar**

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Sakarya Üniversitesi Fen Bilimleri Dergisi, vol.17, pp.457-470, 2013 (National Refreed University Journal)

Books & Book Chapters

I. **Fractional Order Filter Discretization by Particle Swarm Optimization Method**

İMİK 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. **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., YEROĞLU C., HosseinNia S. H.

7th International Conference on Control, Mechatronics and Automation, Delft, Netherlands, 6 - 08 November 2019, vol.1, no.2, pp.1-6

II. **Disturbance Rejection Fractional Order PID Controller Design in v-domain by Particle Swarm Optimization**

Tüfenkçi S., ŞENOL B., ALAGÖZ B. B.

2019 International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 21 - 22 September 2019

III. **Genetik Algoritma ile Düşük Duyarlılığa Sahip Optimal FOPID Denetleyici Tasarımı**

Tüfenkçi S., ŞENOL B., ALAGÖZ B. B.

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IV. **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

V. **Farklı Olasılık Dağılım Fonksiyonlarının Stokastik Tabanlı Optimizasyon Algoritmalarına Etkilerinin Kontrolör Tasarım Uygulamalarında Değerlendirilmesi**

ATEŞ A., ALAGÖZ B. B.

21. Otomatik Kontrol Ulusal Toplantısı TOK 2019, Muğla, Turkey, 11 - 14 September 2019, vol.1, no.2, pp.1-6

VI. **Comparison of Solutions of Numerical Gradient Descent Method and Continous Time Gradient Descent Dynamics and Lyapunov Stability**

Yagmur N., ALAGÖZ B. B.

27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, 24 - 26 April 2019

- VII. **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
- VIII. **Adaptive Control of Nonlinear TRMS Model by Using Gradient Descent Optimizers**
 ALAGÖZ B. B. , Tepljakov A., KAVURAN G., ALİSOY H.
 International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018
- IX. **Possible Contributions of Smart Grids to Regional Development of Countries**
 KAYGUSUZ A., TUTTOKMAGI O., KELEŞ C., ALAGÖZ B. B.
 International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018
- X. **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
- XI. **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.
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- XII. **Stabilization of Fractional Order PID Controllers for Time-Delay Fractional Order Plants by Using Genetic Algorithm**
 Tufenkci S., ŞENOL B., ALAGÖZ B. B.
 International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018
- XIII. **Multi-Source Energy Mixing for Renewable Energy Microgrids by Particle Swarm Optimization**
 KELEŞ C., ALAGÖZ B. B. , KAYGUSUZ A.
 International Conference on Artificial Intelligence and Data Processing (IDAP) 2017, Malatya, Turkey, 16 - 17 September 2017, pp.1-5
- XIV. **Multi-Source Energy Mixing for Renewable Energy Microgrids by Particle Swarm Optimization**
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- XV. **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
- XVI. **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, pp.1
- XVII. **A Model Reference Control Scheme by MIT Rule with Fractional Order Sliding Surface**
 Kavuran G., ALAGÖZ B. B. , ATEŞ A., YEROĞLU C.
 International Conference of Mathematical Modelling and Engineering (MME), Ankara, Turkey, 27 - 29 April 2017, pp.1
- XVIII. **Discretization of Fractional Order Transfer Functions by Weighted Multi-Objective Particle Swarm Optimization Method**

Imik O., ALAGÖZ B. B.

2017 International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 16 - 17 September 2017

- XIX. **Multi-loop Model Reference Adaptive Control of Fractional-order PID Control Systems**
ALAGÖZ B. B. , TEPLJAKOV A., PETLENKOV E., YEROĞLU C.
40th International Conference on Telecommunications and Signal Processing (TSP), Barcelona, Spain, 5 - 07 July 2017, pp.702-705
- XX. **A Theoretical Investigation on Consideration of Initial Conditions in Fractional-order Transfer Function Modeling**
ALAGÖZ B. B. , TEPLJAKOV A., PETLENKOV E., YEROĞLU C.
40th International Conference on Telecommunications and Signal Processing (TSP), Barcelona, Spain, 5 - 07 July 2017, pp.710-713
- XXI. **DISTURBANCE REJECTION FOPID CONTROL OF ROTOR BY MULTI-OBJECTIVE BB-BC OPTIMIZATION ALGORITHM**
ATEŞ A., ALAGÖZ B. B. , YEROĞLU C., Yuan J., Chen Y.
ASME International Design Engineering Technical Conferences / Computers and Information in Engineering Conference (IDETC/CIE 2017), Ohio, United States Of America, 6 - 09 August 2017
- XXII. **Multi-Source Energy Mixing for Renewable Energy Microgrids by Particle Swarm Optimization**
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- XXIII. **Cost Efficient Multi Source Energy Mixing for Renewable Energy Microgrids by Random Search Optimization**
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- XXIV. **Cost Efficient Multi Source Energy Mixing for Renewable Energy Microgrids by Random Search Optimization**
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- XXVI. **Implementation of fractional order filters by embedded programming techniques**
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International Conference on Fractional Differentiation and its Applications, Novi Sad, Serbia And Montenegro, 18 - 20 July 2016, pp.532-541
- XXVII. **Energy Consumption Analysis of Motorized Transportation in Cities by Considering Average Mobile Mass**
ALAGÖZ B. B. , ALAGÖZ S., Baran B.
4th International Istanbul Smart Grid Congress and Fair (ICSG), İstanbul, Turkey, 20 - 21 April 2016, pp.38-41
- XXVIII. **Multi-source Energy Mixing by Time Rate Multiple PWM for Microgrids**
KELEŞ C., KAYGUSUZ A., ALAGÖZ B. B.
4th International Istanbul Smart Grid Congress and Fair (ICSG), İstanbul, Turkey, 20 - 21 April 2016, pp.18-22
- XXIX. **Detection of RR Interval Alterations in ECG Signals by Using First Order Fractional Filter**
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- XXX. **Frequency Deviation Indicators for Estimation of Energy Balance State in Smart AC Grids**
ALAGÖZ B. B. , KELEŞ C., KAYGUSUZ A., AKCIN M.
4th International Istanbul Smart Grid Congress and Fair (ICSG), İstanbul, Turkey, 20 - 21 April 2016, pp.112-116
- XXXI. **Management Simulation of Multi-Source Renewable Energy Microgrids**
Baran B., MAMİŞ M. S. , ALAGÖZ B. B.
National Conference on Electrical, Electronics and Biomedical Engineering (ELECO), Bursa, Turkey, 1 - 03 December 2016, pp.33-37
- XXXII. **Improvement of IIR Filter Discretization for Fractional Order Filter by Discrete Stochastic Optimization**
ATEŞ A., Kavuran G., ALAGÖZ B. B. , YEROĞLU C.
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- XXXIII. **Utilization of Energy from Waste Plants for Microgrids**
BARAN B., MAMİŞ M. S. , ALAGÖZ B. B.
4th International Istanbul Smart Grid Congress and Fair (ICSG), İstanbul, Turkey, 20 - 21 April 2016, pp.131-135
- XXXIV. **Opportunities for Energy Efficiency in Smart Cities**
AKCIN M., KAYGUSUZ A., Karabiber A., ALAGÖZ S., ALAGÖZ B. B. , KELEŞ C.
4th International Istanbul Smart Grid Congress and Fair (ICSG), İstanbul, Turkey, 20 - 21 April 2016, pp.65-69
- XXXV. **Recent Energy Trends in Energy Policies: Clean and Renewable Energies**
AKCIN M., KELEŞ C., KAYGUSUZ A., KARABIBER A., ALAGÖZ B. B.
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- XXXVII. **A NOTE ON EFFECTS OF FRACTIONAL ORDER INTEGRATION ON ASDM SIGNALS**
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The International Symposium on Fractional Signals and Systems 2015, Cluj-Napoca, Romania, 1 - 03 October 2015, pp.1-6
- XXXVIII. **Kesir Dereceli Model Referans Denetleyici ile Görüntü İşleme Destekli Kapalı Çevrim Nesne Takip Uygulaması**
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- XXXIX. **Darbe Genişliği Modülasyonlu PID Kontrolör İle Rotor Kontrolü**
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- XL. **SBL Eşleştirme Yöntemi ile Kesir Dereceli PID Kontrolörün Yaklaşık Modellenmesi ve Ters Sarkaç Kontrol Sisteminde Uygulaması**
DENİZ F. N. , YÜCE A., ALAGÖZ B. B. , TAN N.
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- XLI. **SBL Eşleştirme Yöntemi ile Kesir Dereceli Sistem Modellemesinin Avantajları**
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- XLII. **Sigmoid Based PID Controller Implementation for Rotor Control**
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- XLIII. **A Note On Demand Side Load Management by Maximum Power Limited Load Shedding Algorithm For Smart Grids**
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3rd International Istanbul Smart Grid Congress and Fair (ICSG), İstanbul, Turkey, 29 - 30 April 2015
- XLIV. **Towards Energy Webs: Hierarchical Tree Topology for Future Smart Grids**

- ALAGÖZ B. B. , KELEŞ C., KAYGUSUZ A.
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- XLV. **PID Controller Design Based on Second Order Model Approximation by Using Stability Boundary Locus Fitting**
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- XLVI. **PID kullanılan Smith öngörücüsü yapısının kararlılık analizi**
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Otomatik Kontrol Ulusal Toplantısı, TOK'14, Kocaeli, Turkey, 11 - 13 September 2014
- XLVII. **Yüksek dereceli sistemlerin kararlılık sınır eğrileri ile ikinci derece yaklaşık modele indirgenmesi ve uygun PID kontrolör tasarımı**
ALAGÖZ B. B. , DENİZ F. N. , TAN N.
Otomatik Kontrol Ulusal Toplantısı, TOK'14, Kocaeli, Turkey, 11 - 13 September 2014
- XLVIII. **Design of Fractional-Order PI Controllers for Disturbance Rejection Using RDR Measure**
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International Conference on Fractional Differentiation and Its Applications (ICFDA'14), Catania, Italy, 23 June 2014, pp.1-5
- XLIX. **Tuning of fractional order PID with master slave stochastic multi parameter divergence optimization method**
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- LIV. **Görüntü İşleme ile PID Kararlılık Bölgesi Kontrolör Performansı Haritalaması**
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- LV. **Kesir Dereceli PID Kontrolörler için Referans Model Tabanlı Optimizasyon Yöntemi**
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Otomatik Kontrol Ulusal Toplantısı, TOK2013, Malatya, Turkey, 26 - 28 September 2013, pp.874-878
- LVII. **Hiyerarşik Kontrol ile Güç Regülasyonlu DC/DC Sürücü Tasarımı**
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- LVIII. **Kesir Dereceli PID Kontrolörler İçin Referans Model Tabanlı Optimizasyon Yöntemi**

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LIX. Akıllı Şebekelerde Kontrol ve Haberleşme Günümüzden Geleceğe Fırsatlar

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LX. Hata Küpü Kontrol Yapısının Teorik İncelenmesi Otomatik Kontrol Ulusal Toplantısı

ALAGÖZ B. B. , ATEŞ A., YEROĞLU C.

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LXI. Hiyerarşik Kontrol ile Güç Regülasyonlu DC/DC Sürücü Tasarımı

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LXII. Akıllı Şebekelerde Kontrol ve Haberleşme Günümüzden Geleceğe Fırsatlar

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h-index (WOS):11