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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

- Optimal V-Plane Robust Stabilization Method for Interval Uncertain Fractional Order PID Control Systems**

Tufenkci S., ŞENOL B., Matusu R., ALAGÖZ B. B.

FRACTAL AND FRACTIONAL, vol.5, no.1, 2021 (Journal Indexed in SCI)

- II. **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)
- 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, 2020 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI Expanded)
- 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. **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)
- VII. **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)
- VIII. **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 (Journal Indexed in SCI)
- IX. **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 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI)
- XI. **Fractional order linear time invariant system stabilization by brute-force search**
ALAGÖZ B. B.
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.40, no.5, pp.1447-1456, 2018 (Journal Indexed in SCI)
- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (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. **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)
- XVI. **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 (Journal Indexed in SCI)
- XVII. **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)
- XVIII. **Utilization of energy from waste potential in Turkey as distributed secondary renewable energy source**
BARAN B., MAMIŞ M. S. , ALAGÖZ B. B.
RENEWABLE ENERGY, vol.90, pp.493-500, 2016 (Journal Indexed in SCI)
- XIX. **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)
- XX. **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, no.5, pp.565-578, 2016 (Journal Indexed in SCI)
- XXI. **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, no.3, pp.1325-1339, 2016 (Journal Indexed in SCI)
- XXII. **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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- XXV. **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, no.4, 2015 (Journal Indexed in SCI)
- XXVI. **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)
- XXVII. **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 (Journal Indexed in SCI)

- XXVIII. **Spatio-spectral analyses of electromagnetic wave energy absorption and heating effect**
ALISOY H. Z. , ALAGÖZ B. B. , US S. B. , DENİZ F. N. , ALAGÖZ S.
OPTIK, vol.125, no.15, pp.4124-4130, 2014 (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, no.7, pp.789-797, 2013 (Journal Indexed in SCI)
- XXX. **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, no.10, pp.1012-1019, 2013 (Journal Indexed in SCI)
- XXXI. **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)
- XXXII. **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)
- XXXIII. **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, no.7, 2013 (Journal Indexed in SCI)
- XXXIV. **Sonic crystal acoustic switch device**
ALAGÖZ S., ALAGÖZ B. B.
JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, vol.133, no.6, 2013 (Journal Indexed in SCI)
- XXXV. **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)
- XXXVI. **A user-mode distributed energy management architecture for smart grid applications**
ALAGÖZ B. B. , KAYGUSUZ A., Karabiber A.
ENERGY, vol.44, no.1, pp.167-177, 2012 (Journal Indexed in SCI)
- XXXVII. **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, no.17, pp.9007-9017, 2012 (Journal Indexed in SCI)
- XXXVIII. **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, no.2, pp.293-303, 2012 (Journal Indexed in SCI)
- XXXIX. **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, no.1, pp.111-116, 2012 (Journal Indexed in SCI)
- XL. **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, no.36, 2010 (Journal Indexed in SCI)
- XLI. **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. **Performance Analysis of SMDO Method with Benchmark Functions with Matlab Toolbox**
AKPAMUKÇU M., ATEŞ A., ALAGÖZ B. B.
Journal of the Institute of Science and Technology, vol.10, no.4, pp.2451-2460, 2020 (Other Refereed National Journals)
- II. **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, no.8, 2020 (Journal Indexed in ESCI)
- III. **PIDA Denetçilerin Bozucu Dışlama Performansının Teorik İncelenmesi**
ÖZBEY N., YEROĞLU C., ALAGÖZ B. B.
Avrupa Bilim ve Teknoloji Dergisi, no.18, 2020 (Refereed Journals of Other Institutions)
- 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 (Journal Indexed in ESCI)
- V. **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, no.17, pp.9-19, 2019 (Other Refereed National Journals)
- VI. **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 (Other Refereed National Journals)
- VII. **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 (Journal Indexed in ESCI)
- 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, no.1, 2017 (Journal Indexed in 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 (Refereed Journals of Other Institutions)
- 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 (National Refereed University Journal)
- XI. **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, no.4, pp.411-421, 2016 (Journal Indexed in ESCI)
- 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 (Refereed Journals of Other Institutions)

- XIII. **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 UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.22, no.8, pp.659-665, 2016 (Journal Indexed in ESCI)
- XIV. **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 (International Refereed University Journal)
- XV. **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 (National Refreed University Journal)
- XVI. **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, no.1, pp.328-335, 2014 (Refereed Journals of Other Institutions)
- XVII. **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, no.3, 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. **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
- II. **Genetik Algoritma ile Düşük Duyarlılığa Sahip Optimal FOPID Denetleyici Tasarımı**
Tüfenkçi S., ŞENOL B., ALAGÖZ B. B.
2019 International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 21 - 22 September 2019
- 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. **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
- V. **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

- 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. **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
- VIII. **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
- 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. **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
- XI. **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
- XII. **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
- XIII. **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
- XIV. **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
- XV. **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
- XVI. **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
- XVII. **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

- XVIII. **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
- XIX. **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
- XX. **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
- XXI. **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
- XXII. **A Theoretical Investigation on Consideration of Initial Conditions in Fractional-order Transfer Function Modeling**
ALAGÖZ B. B. , TEPLJAKOV A., PETLENKOV E., YEROĞLU C.
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