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International Researcher IDs

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Education Information

Doctorate, Ege University, Engineering Faculty, Electrical and Electronics Engineering, Turkey 2007 - 2012

Postgraduate, Ege University, Engineering Faculty, Electrical and Electronics Engineering, Turkey 2005 - 2007

Undergraduate, Gaziantep University, Engineering Faculty, Electrical and Electronics Engineering (English), Turkey 2000 - 2005

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Gerçek zamanlı sistem tanılama ve Takagi Sugeno bulanık gözetleyici temelli uyarlamalı bulanık kontrol, Ege University, Engineering Faculty, Electrical and Electronics Engineering, 2012

Research Areas

Control and System Engineering, Image and Video Processing, Artificial Intelligence, Computer Learning and Pattern Recognition, System Dynamics and Control

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Artificial Intelligence and Data Engineering, 2025 - Continues

Associate Professor, Izmir Democracy University, Engineering Faculty, Electrical and Electronics Engineering, 2019 - 2025

Associate Professor, Pamukkale University, Engineering Faculty, Electrical and Electronics Engineering, 2017 - 2019

Assistant Professor, Pamukkale University, Engineering Faculty, Electrical and Electronics Engineering, 2012 - 2017

Research Assistant, Ege University, Engineering Faculty, Electrical and Electronics Engineering, 2005 - 2012

Researcher, Technische Universiteit Delft, Faculty of Mechanical Maritime and Material Engineering, Delft Center for

Academic and Administrative Experience

Deputy Head of Department, Pamukkale University, Engineering Faculty, 2013 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An experimental set-up design for synchronization and control of coupled Hindmarsh–Rose neurons with Markov-jump dynamics: A case study on finite-time sliding-mode synchronization**
BEYHAN S.
Chaos, Solitons and Fractals, vol.180, 2024 (SCI-Expanded)
- II. **Hyperparameter optimization of pre-trained convolutional neural networks using adolescent identity search algorithm**
Akkuş E., Bal U., Koçoğlu F. Ö., BEYHAN S.
Neural Computing and Applications, vol.36, no.4, pp.1523-1537, 2024 (SCI-Expanded)
- III. **A scaled-down model of a dairy barn to imitate a livestock building for modelling and control of environmental conditions**
BEYHAN S.
Journal of Thermal Biology, vol.114, 2023 (SCI-Expanded)
- IV. **Fuzzy Emulated Symbolic Regression for Modelling and Control of Markov Jump Systems with Unknown Transition Rates**
BEYHAN S.
IEEE Transactions on Circuits and Systems II: Express Briefs, vol.69, no.3, pp.1352-1356, 2022 (SCI-Expanded)
- V. **Second-order hyperparameter tuning of model-based and adaptive observers for time-varying and unknown chaotic systems**
BEYHAN S., Cetin M.
Chaos, Solitons and Fractals, vol.156, 2022 (SCI-Expanded)
- VI. **Long-term analysis of HIV infection therapy with cubature Kalman filtering-based predictive control**
Cetin M., BEYHAN S.
Neural Computing and Applications, vol.34, no.3, pp.2133-2155, 2022 (SCI-Expanded)
- VII. **Symbolic Regression Based Extreme Learning Machine Models for System Identification**
Köktürk-Güzel B. E., BEYHAN S.
Neural Processing Letters, vol.53, no.2, pp.1565-1578, 2021 (SCI-Expanded)
- VIII. **Active fault tolerant control for high-precision positioning of a non-contact mode uncertain atomic force microscopy**
Cetin M., BEYHAN S.
Transactions of the Institute of Measurement and Control, vol.42, no.14, pp.2632-2644, 2020 (SCI-Expanded)
- IX. **Adolescent Identity Search Algorithm (AISA): A novel metaheuristic approach for solving optimization problems**
Bogar E., BEYHAN S.
Applied Soft Computing Journal, vol.95, 2020 (SCI-Expanded)
- X. **Prediction of baking quality using machine learning based intelligent models**
Isleroglu H., BEYHAN S.
Heat and Mass Transfer/Waerme- und Stoffuebertragung, vol.56, no.7, pp.2045-2055, 2020 (SCI-Expanded)
- XI. **Adaptive Stabilization of Uncertain Cortex Dynamics under Joint Estimates and Input Constraints**
Cetin M., BEYHAN S.
IEEE Transactions on Circuits and Systems II: Express Briefs, vol.66, no.4, pp.627-631, 2019 (SCI-Expanded)
- XII. **Adaptive uncertainty compensation-based nonlinear model predictive control with real-time**

applications

Çetin M., Bahtiyar B., BEYHAN S.

Neural Computing and Applications, vol.31, pp.1029-1043, 2019 (SCI-Expanded)

- XIII. **Intelligent models based nonlinear modeling for infrared drying of mahaleb puree**
Isleroglu H., BEYHAN S.
Journal of Food Process Engineering, vol.41, no.8, 2018 (SCI-Expanded)
- XIV. **An enhanced online LS-SVM approach for classification problems**
Dilmen E., BEYHAN S.
Soft Computing, vol.22, no.13, pp.4457-4475, 2018 (SCI-Expanded)
- XV. **An efficient sliding mode observer-based model predictive control: experimental implementation on a DC/DC power converter**
Bahtiyar B., Çetin M., BEYHAN S., İplikçi S.
Transactions of the Institute of Measurement and Control, vol.40, no.8, pp.2488-2497, 2018 (SCI-Expanded)
- XVI. **Affine TS Fuzzy Model-Based Estimation and Control of Hindmarsh-Rose Neuronal Model**
BEYHAN S.
IEEE Transactions on Systems, Man, and Cybernetics: Systems, vol.47, no.8, pp.2342-2350, 2017 (SCI-Expanded)
- XVII. **Soft sensor applications of RK-based nonlinear observers and experimental comparisons**
Cetin M., BEYHAN S., Iplikci S.
Intelligent Automation and Soft Computing, vol.23, no.1, pp.109-116, 2017 (SCI-Expanded)
- XVIII. **Fuzzy functions with function expansion model for nonlinear system identification**
Alci M., BEYHAN S.
Intelligent Automation and Soft Computing, vol.23, no.1, pp.87-94, 2017 (SCI-Expanded)
- XIX. **Adaptive Fuzzy Terminal Sliding-Mode Observer with Experimental Applications**
BEYHAN S.
International Journal of Fuzzy Systems, vol.18, no.4, pp.585-594, 2016 (SCI-Expanded)
- XX. **Adaptive fuzzy-Chebyshev network control of a conducting polymer actuator**
BEYHAN S., İTİK M.
Journal of Intelligent Material Systems and Structures, vol.27, no.8, pp.1019-1029, 2016 (SCI-Expanded)
- XXI. **Comprehensive modeling of U-tube steam generators using extreme learning machines**
BEYHAN S., Kavaklioglu K.
IEEE Transactions on Nuclear Science, vol.62, no.5, pp.2245-2254, 2015 (SCI-Expanded)
- XXII. **Runge-Kutta model-based nonlinear observer for synchronization and control of chaotic systems**
BEYHAN S.
ISA Transactions, vol.52, no.4, pp.501-509, 2013 (SCI-Expanded)
- XXIII. **Extended fuzzy function model with stable learning methods for online system identification**
BEYHAN S., Alci M.
International Journal of Adaptive Control and Signal Processing, vol.25, no.2, pp.168-182, 2011 (SCI-Expanded)
- XXIV. **Fuzzy functions based ARX model and new fuzzy basis function models for nonlinear system identification**
BEYHAN S., Alci M.
Applied Soft Computing Journal, vol.10, no.2, pp.439-444, 2010 (SCI-Expanded)
- XXV. **Stable modeling based control methods using a new RBF network**
BEYHAN S., Alc M.
ISA Transactions, vol.49, no.4, pp.510-518, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Novel Extremum Seeking Hyperparameter Design for Joint State and Parameter Estimation of Nonlinear Systems**
BEYHAN S.

Artificial Intelligence Systems, vol.5, pp.139-146, 2023 (Peer-Reviewed Journal)

- II. **Extraction Of Phenolic Compounds From Fenugreek Seeds: Modelling And Analysis Using Artificial Neural Networks**
BEYHAN S., İŞLEROĞLU H.
Konya mühendislik bilimleri dergisi (Online), vol.11, 2023 (Peer-Reviewed Journal)
- III. **State and Parameter Estimation of a Nonlinear Servo System Handling Noises and Varying Payloads**
ÇETİN M., BEYHAN S.
International Journal of Applied Mathematics, Electronics and Computers, vol.9, no.1, pp.7-14, 2021 (Peer-Reviewed Journal)
- IV. **An Efficient Observer Design for Multi Leak Detection and Isolation in Water Supply Networks**
BAHTİYAR B., ÇETİN M., BEYHAN S.
Avrupa Bilim ve Teknoloji Dergisi, no.24, pp.364, 2021 (Peer-Reviewed Journal)
- V. **Extremum Seeking Based Fault Estimation For Output Feedback Control of Flexible-Joint Robot Manipulator**
BEYHAN S.
SELCUK UNIVERSITY JOURNAL OF ENGINEERING, SCIENCE AND TECHNOLOGY, vol.9, 2021 (Peer-Reviewed Journal)
- VI. **Harici Reenfeksiyonlara Bağlı Tüberkülozun Uyarlamalı Kalman Filtre Temelli Optimal Kontrolü**
ÇETİN M., BEYHAN S.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.8, no.4, pp.1260-1268, 2020 (Peer-Reviewed Journal)
- VII. **Robust Constrained Drug Dosage Regulation of Acute Inflammation Response under Disturbances**
ÇETİN M., BEYHAN S.
International Journal of Applied Mathematics Electronics and Computers,, vol.8, no.4, pp.256-262, 2020 (Peer-Reviewed Journal)
- VIII. **Modeling and Control of Irrigation Systems: A Short Survey and Future Directions**
ÇETİN M., BEYHAN S.
The Academic Perspective Procedia, vol.2, no.3, pp.1036-1042, 2019 (Peer-Reviewed Journal)
- IX. **Belirsiz beyin korteks modelinin durum ve parametre kestirimi**
ÇETİN M., BEYHAN S.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.8, pp.1425-1434, 2018 (Peer-Reviewed Journal)
- X. **State and Parameter Estimation of Uncertain Brain Cortex Model**
ÇETİN M., BEYHAN S.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.24, no.8, pp.1425-1434, 2018 (Peer-Reviewed Journal)
- XI. **EKF Based Generalized Predictive Control of Nonlinear Systems**
DİLMEN E., BEYHAN S.
International Journal of Applied Mathematics, Electronics and Computers, vol.4, pp.148-154, 2016 (Peer-Reviewed Journal)
- XII. **Yapay sinir ağı temelli uyarlamalı doğrusal model öngörülü kontrol**
ÇETİN M., BEYHAN S., BAHTİYAR B.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.22, no.8, pp.650-658, 2016 (Peer-Reviewed Journal)
- XIII. **Monitoring of Anxiety Like Behaviors on Rats with Video Tracking Technology**
ÇETİN KARDEŞLER A., ÇETİN M., BEYHAN S.
International Journal of Applied Mathematics, Electronics and Computers, vol.4, pp.161-164, 2016 (Peer-Reviewed Journal)
- XIV. **Observer Design for the Hodgkin Huxley Neuronal Model**
ÇETİN M., BEYHAN S.
International Journal of Applied Mathematics, Electronics and Computers, vol.4, pp.66-71, 2016 (Peer-Reviewed Journal)

- XV. **An adaptive extended fuzzy function state-observer based control with unknown control direction**
BEYHAN S.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.23, no.5, pp.519-526, 2016 (Peer-Reviewed Journal)
- XVI. **Sinyal temelleri için bir yazılımsal eğitim aracı tasarımı**
AYDOĞAN H., BEYHAN S.
Journal of Research in Education and Training, vol.5, no.2, pp.417-423, 2016 (Peer-Reviewed Journal)
- XVII. **A Hybrid Genetic Algorithm for Mobile Robot Shortest Path Problem**
BOĞAR E., BEYHAN S.
International Journal of Intelligent Systems and Applications in Engineering, vol.4, no.1, pp.60-67, 2016 (Peer-Reviewed Journal)

Books

- I. **Vaccination, Lock-Down, Measures and Time-Varying Reproduction Number Based Estimation and Control of COVID-19 Outbreak in Turkey**
ÇETİN M., BEYHAN S.
in: Artificial Intelligence and Machine Learning Methods in COVID-19 and Related Health Diseases, , Editor, Springer, Amsterdam, pp.139-159, 2022
- II. **Smart Irrigation Systems Using Machine Learning and Control Theory**
ÇETİN M., BEYHAN S.
in: The Digital Agricultural Revolution: Innovations and Challenges in Agriculture through Technology Disruptions, Roheet Bagnar, Nitin Kumar Tripathi, Nitu Bhatnagar, Chandan Kumar Panda, Editor, wiley, Jaipur, pp.57-86, 2022
- III. **Yapay Zeka ve Koku Algısı: Makinalar Koku Alabilir mi?**
BEYHAN S.
in: Koku ve Tat Algısı, Esin Yalçınkaya, Editor, US Akademi, Ankara, pp.419-428, 2019
- IV. **Yapay Zeka ve Tat Algısı: Makineler tat alabilir mi?**
ÇETİN M., BEYHAN S.
in: Koku ve Tat Algısı, Esin Yalçınkaya, Editor, US Akademi, Ankara, pp.421-430, 2019
- V. **Nonlinear Observer Design for Biological Systems: A case study for Neuronal Models**
ÇETİN M., BEYHAN S.
in: Developments in Science and Engineering, Recep Efe, Lia Matchavariani, Abdulkadir Yaldir, Laszlo Levai, Editor, St. Kliment Ohridski University Press, Sofia, Sofija, pp.196-212, 2016
- VI. **TOK 2015 Bildiriler Kitabı**
BEYHAN S., İPLİKÇİ S.
Pamukkale Üniversitesi Kütüphanesi, Denizli, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **ArtificialIntelligencefor Modelling and Control of Irrigation Systems**
BEYHAN S.
FruitCREWS Annual meeting and workshop, Bologna, Italy, 10 - 12 July 2023
- II. **State and Parameter Estimation of a Nonlinear Servo System Handling Noises and Varying Payloads**
ÇETİN M., BEYHAN S.
9th International Conference on Advanced Technology Sciences, 10 - 12 August 2020
- III. **Modeling and Control of Irrigation Systems: A Short Survey and Future Directions**
ÇETİN M., BEYHAN S.
International Symposium on Innovative Technologies in Engineering and Science (ISITES2019), 22 - 24 November 2019

- IV. **Elektronik Dil Tasarımı ve Literatür Araştırması**
ÇETİN M., BEYHAN S.
Otomatik Kontrol Türk Milli Komitesi 2019 Ulusal Toplantısı, TOK2019, Turkey, 11 - 14 September 2019
- V. **Stabilization of Epileptic Seizures Over Unknown Cortex Dynamics**
ÇETİN M., BAHTİYAR B., BEYHAN S.
Tıp Teknolojileri Kongresi, TIPTEKNO'xx19, 3 - 05 October 2019
- VI. **Simultaneous Estimation and Control of Glucose-Insulin Dynamics in Type-1 Diabetes**
ÇETİN M., BEYHAN S.
Tıp Teknolojileri Kongresi, 3 - 05 October 2019
- VII. **Elektronik Burun Tasarımı ve Literatür Araştırması**
BEYHAN S., ÇETİN M.
Otomatik Kontrol Türk Milli Komitesi 2019 Ulusal Toplantısı, TOK2019, Turkey, 11 - 14 September 2019
- VIII. **Performance Analysis of Different Machine Learning Methods in Classification of Musical Instruments Using Fundamental Time and Frequency Features**
AVCI K., BEYHAN S.
International Design and Engineering Symposium, İzmir, Turkey, 10 - 12 October 2019
- IX. **Investigation of Recent Advances in Designing IIR Digital Filters by Using Optimization Methods**
AVCI K., BEYHAN S.
International Design and Engineering Symposium, İzmir, Turkey, 10 - 12 October 2019
- X. **Extreme Learning Machine Based Numerical Solution of the Ordinary Differential Equations with Boundary Value Conditions**
BEYHAN S., AVCI K.
International Design and Engineering Symposium, 10 - 12 October 2019
- XI. **Yapay Zeka Ve Koku: Makinalar Koku Alabilir mi?**
BEYHAN S.
Rhino Camp Marmaris, Turkey, 27 - 30 May 2019
- XII. **State Space LS-SVM for Polynomial Nonlinear State Space Model Based Generalized Predictive Control of Nonlinear Systems**
DİLMEN E., BEYHAN S.
2018 IEEE Conference on Control Technology and Applications (CCTA), Copenhagen, 21 - 24 August 2018
- XIII. **Stabilization Of Hiv Infection Using Deep Recurrent Svm Based Generalized Predictive Control**
DİLMEN E., BEYHAN S.
International Conference on Control, Engineering Information Technology, 25 - 27 September 2018
- XIV. **Adaptive Ukf Based State Estimation Of HIV, Hepatitis-B and Cancer Mathematical Models**
BİLGİ B., ÇETİN M., BEYHAN S.
6th International Conference on Control Engineering Information Technology, 25 - 27 October 2018
- XV. **Adaptive PI and SMC for Control of Uncertain and VaryingTime-Delay Chaotic Coronary Artery Vessel**
BİLGİ B., ÇETİN M., BEYHAN S.
6th International Conference on Control Engineering Information Technology, 25 - 27 September 2018
- XVI. **Adaptive Robust TS Fuzzy Control of Unknown Nonlinear Systems**
BEYHAN S.
7th International Eurasian Conference Onmathematical Sciences and Applications, 27 - 30 August 2018
- XVII. **Parameter Optimization for Extremum Seeking Control of Antilock Braking System**
BOĞAR E., BEYHAN S.
39th International Academic Conferenc, 19 - 22 June 2018
- XVIII. **Time-Varying Fault Tolerant Control of Nonlinear MIMO Systems**
ÇETİN M., BEYHAN S., İPLİKÇİ S.
IEEE 26th Mediterranean Conference on Control and Automation, 19 - 22 June 2018
- XIX. **Simultaneous Time Delay and State Estimation of Nonlinear Systems**
BAHTİYAR B., ÇETİN M., BEYHAN S.

7th International Conference on Advanced Technology Sciences, 28 April - 01 May 2018

- XX. **Robust Adaptive Fuzzy Control of Unknown Markovian Jump Systems**
BAHTİYAR B., ÇETİN M., BEYHAN S.
7th International Conference on Advanced Technology Sciences, 28 April - 01 May 2018
- XXI. **Deep Recurrent Support Vector Machine for Online Classification**
DİLMEN E., BEYHAN S.
ELECO 2017 10th International Conference on Electrical and Electronics Engineering, 30 November - 02 December 2017
- XXII. **Deep recurrent support vector machine for online regression**
DİLMEN E., BEYHAN S.
2017 International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 16 - 17 September 2017
- XXIII. **Barrier Lyapunov Function Based Control of an Experimental Ball and Beam System**
DEMİRKIRAN F., BOĞAR E., BEYHAN S.
6th International Conference on Advanced Technology Sciences, Riga, Latvia, 12 - 15 September 2017
- XXIV. **Gözetleyici Temelli Beyin Korteks Model Durum Tahmini**
ÇETİN M., BEYHAN S.
Otomatik Kontrol Türk Milli Komitesi 2017 Ulusal Toplantısı, Turkey, 21 - 23 September 2017
- XXV. **A Novel Online LS-SVM Approach for Regression and Classification**
DİLMEN E., BEYHAN S.
20th IFAC WORLD CONGRESS, 9 - 14 July 2017, vol.50, pp.8642-8647
- XXVI. **Synchronization of Coupled Hindmarsh-Rose Neuronal Models**
BEYHAN S.
18th International Conference on Researches in Science Technology (ICRST), Roma, Italy, 9 - 10 June 2017
- XXVII. **Takagi-Sugeno Fuzzy Payload Estimation and Adaptive Control**
BEYHAN S., Sarabi F., Lendek Z., Babuska R.
20th IFAC WORLD CONGRESS, France, 9 - 14 July 2017, vol.50, pp.844-849
- XXVIII. **CONTROLLERS DESIGN FOR A REAL-TIME SEPIC CONVERTER**
BAHTİYAR B., ÇETİN M., BEYHAN S.
International Conference on Engineering, Technology Innovation, Saray-Bosna, Bosnia And Herzegovina, 22 - 26 March 2017
- XXIX. **Observer Design for the Hodgkin Huxley Neuronal Model**
ÇETİN M., BEYHAN S.
3rd International Conference on Advanced Technology & Sciences, 1 - 03 September 2016
- XXX. **Monitoring of Anxiety Like Behaviors on Rats with Video Tracking Technology**
ÇETİN KARDEŞLER A., ÇETİN M., BEYHAN S.
3rd International Conference on Advanced Technology & Sciences, 1 - 03 September 2016
- XXXI. **A Hybrid Genetic Algorithm for Mobile Robot Path Planning Problem**
BOĞAR E., BEYHAN S.
3rd International Conference on Advanced Technology & Sciences, 1 - 03 September 2016
- XXXII. **EKF Based Generalized Model Predictive Control Of Nonlinear Systems**
DİLMEN E., BEYHAN S.
3rd International Conference on Advanced Technology & Sciences, 1 - 03 September 2016
- XXXIII. **Gerçek Zamanlı DC DC Güç Dönüştürücü Tasarımı ve Kontrolü**
BAHTİYAR B., ÇETİN M., BEYHAN S., İPLİKÇİ S.
Otomatik Kontrol Türk Milli Komitesi Toplantısı, Turkey, 29 - 01 October 2016
- XXXIV. **Dinamik Yapay Sinir Ağı Temelli Genelleştirilmiş Öngörülü Kontrolde Aktivasyon Fonksiyonların Etkisi**
DİLMEN E., BEYHAN S.
Otomatik Kontrol Türk Milli Komitesi Toplantısı, Turkey, 29 September - 01 October 2016, pp.93-98
- XXXV. **Sinyal Temelleri İçin Bir Yazılımsal Eğitim Aracı Tasarımı**

AYDOĞAN H., BEYHAN S.

7th International Congress on New Trends in Education, 13 - 15 May 2016

XXXVI. Gradient based Takagi Sugeno fuzzy local observer

BEYHAN S., DİLMEN E.

2015 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), Istanbul, Turkey, Turkey, 2 - 05 August 2015, pp.1-6

XXXVII. Eşitsizlik Kısıtlı GKF ile Dinamik YSA Kararlılık Stırma ve Çevrimiçi Sistem Tanılama

DİLMEN E., BEYHAN S.

Otomatik Kontrol Türk Milli Komitesi Kongresi, Kocaeli, Turkey, 11 - 13 September 2014

XXXVIII. Cascaded ABC LM algorithm based optimization and nonlinear system identification

DİLMEN E., YILMAZ S., BEYHAN S.

Electronics, Computer and Computation (ICECCO), 2013 International Conference on, 7 - 09 September 2013

XXXIX. Doğrusal Olmayan Sistemler için Runge Kutta Model Tabanlı Uyarlamalı PID Denetleyici

ÇETİN M., BEYHAN S., İPLİKÇİ S.

Otomatik Kontrol Türk Milli Komitesi, Malatya, Turkey, 26 - 28 September 2013

XL. Ortogonal Çekirdek Fonksiyonlu Destek Vektör Mekanizmaları

BEYHAN S., DİLMEN E.

Otomatik Kontrol Türk Milli Komitesi Kongresi, Malatya, Turkey, 26 - 28 September 2013

XLI. Takagi Sugeno Fuzzy Observer and Extended Kalman Filter for Adaptive Payload Estimation

BEYHAN S., ALCI M.

9th Asian Control Conference, İstanbul, Turkey, 23 - 26 June 2013

XLII. Kaskad Bağlı Sistemler için Gözetleyici Tasarımı

BEYHAN S.

Otomatik Kontrol Türk Milli Komitesi Kongresi, Niğde, Turkey, 11 - 13 October 2012

XLIII. Runge Kutta Model Tabanlı Doğrusal Olmayan Gözetleyici ile Durum Kestirimi

ÇETİN M., BEYHAN S., İPLİKÇİ S.

Otomatik Kontrol Türk Milli Komitesi Kongresi, Niğde, Turkey, 11 - 13 October 2012

XLIV. Adaptive Dynamic Neural Network Observer Design for Velocity Feedbacks

BEYHAN S.

International Symposium on INnovations in Intelligent SysTEms and Applications, 2 - 04 July 2012

XLV. Adaptive Fuzzy and Sliding Mode Control of a Robot Manipulator with Varying Payload

BEYHAN S., ALCI M.

50th IEEE Conference on Decision and Control and European Control Conference, ORLANDO, United States Of America, 12 - 15 December 2011

XLVI. Discrete Time Stable Online Identification of a Nonlinear Servo System using New Fuzzy and RBF Models

BEYHAN S., ALCI M., KILIÇ Ö., DİNLEYİCİ M.

2th Fuzzy Systems International Symposium, Ankara, Turkey, 17 - 18 November 2011

XLVII. TS Bulanık Gözetleyici ile Bilinmeyen Yük Tahmini ve Servo Sistem Kontrolü

BEYHAN S., ALCI M.

Otomatik Kontrol Türk Milli Komitesi Kongresi, İzmir, Turkey, 14 - 16 September 2011

XLVIII. An Orthogonal ARX Network for Identification and Control of Nonlinear Systems

BEYHAN S., ALCI M.

22th International Symposium on Information, Communication and Automation Technologies, SARAYBOSNA, Bosnia And Herzegovina, 29 - 31 October 2009

XLIX. Mixed structured RBF network for direct inverse control of nonlinear systems

BEYHAN S., Alci M.

5th International Conference on Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control, ICSCCW 2009, Famagusta, Cyprus (Gkry), 2 - 04 September 2009

L. İki Kaplı Sıvı Seviye Kontrol Sistemi Tasarımı ve Gerçek Zamanlı Denetleyici Uygulamaları

BEYHAN S., ALCI M.

Otomatik Kontrol Türk Milli Komitesi Kongresi, İstanbul, Turkey, 13 - 16 October 2009

LI. Ortogonal Polinomlu Yapay Sinir Ağı ile Sistem Tanılama ve Kontrol

BEYHAN S., ALCI M.

Otomatik Kontrol Türk Milli Komitesi Kongresi, İstanbul, Turkey, 13 - 16 October 2009

LII. A New RBF Network Based Sliding Mode Control of Nonlinear Systems

BEYHAN S., ALCI M.

4th International Symposium Advances in Artificial Intelligence and Applications, MRAGOWO, 12 - 14 October 2009

LIII. Trigonometric Functions Based Neural Networks for System Identification

BEYHAN S., ALCI M.

5th IFAC International WS Decom-TT, İzmir, Turkey, 17 May - 19 October 2007

Supported Projects

Beyhan S., TUBITAK Project, Endüstriyel Kontrol Sistemlerinde Pekiştirmeli Öğrenme Yöntemiyle Kullanıcının Belirlediği Sistem Performans Kriterlerini Eniyileyecek Yapay Zekâ Kodu İşleme Altyapısına Sahip Python Temelli PLC Genişleme Modülü, 2024 - 2026

Beyhan S., TUBITAK Project, Video Regresyon Tabanlı Total Hemoglobin Kestirimi ve Deprem Bölgesi Uygulamaları için Cihaz Tasarımı, 2024 - 2026

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