

Res. Asst. PhD METİN HATUN

Personal Information

Office Phone: [+90 224 294 2027](tel:+902242942027)

Email: metinh@uludag.edu.tr

Web: <https://avesis.uludag.edu.tr/metinh>

International Researcher IDs

ScholarID: KAfKeAAAAAJ

ORCID: 0000-0003-0279-5508

Publons / Web Of Science ResearcherID: AAH-2199-2021

ScopusID: 54684165800

Yoksis Researcher ID: 156671



Education

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Elektronik Mühendisliği (Dr), Turkey 2002 - 2009

Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Elektronik Mühendisliği (YI) (Tezli), Turkey 1999 - 2002

Undergraduate, Bursa Uludağ University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1994 - 1998

Research Areas

Control and System Engineering, System Diagnostics, Adaptive Systems

Academic Positions

Research Assistant PhD, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ, 2000 - Continues

Courses

Undergraduate

Microprocessors, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Embedded Systems, Undergraduate, 2024 - 2025

Automatic Control, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019

Associate Degree

Programlanabilir Mantık Denetleyicileri, Associate Degree, 2018 - 2019

Sayısal Elektronik, Associate Degree, 2018 - 2019

Elektromekanik Kumanda Sistemleri, Associate Degree, 2018 - 2019

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Stability analysis tool for discrete-time systems in control education**
Vatansever F., Hatun M.
MULTIMEDIA TOOLS AND APPLICATIONS, vol.83, no.2, pp.6205-6226, 2024 (SCI-Expanded)
- II. **Identification of Wiener Systems with Recursive Gauss-Seidel Algorithm**
Hatun M.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.29, no.5, pp.4-10, 2023 (SCI-Expanded)
- III. **Stochastic convergence analysis of recursive successive over-relaxation algorithm in adaptive filtering**
Hatun M., Kocal O. H.
SIGNAL IMAGE AND VIDEO PROCESSING, vol.11, no.1, pp.137-144, 2017 (SCI-Expanded)
- IV. **Recursive Gauss-Seidel algorithm for direct self-tuning control**
HATUN M., Kocal O. H.
INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING, vol.26, no.5, pp.435-450, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **ECG Noise Cancellation with Recursive Gauss-Seidel Algorithm**
Hatun M.
Karadeniz Fen Bilimleri Dergisi, vol.14, no.4, pp.2115-2127, 2024 (Peer-Reviewed Journal)
- II. **The Design of Control System Simulator**
Hatun M., Vatansever F.
Uludağ University Journal of The Faculty of Engineering, vol.27, no.1, pp.41-56, 2022 (Peer-Reviewed Journal)
- III. **s-to-z Transformation Tool for Discretization**
Vatansever F., Hatun M.
Gazi University Journal of Science Part C: Design and Technology, vol.9, no.4, pp.773-784, 2021 (Peer-Reviewed Journal)
- IV. **Leakage Analysis of the RSOR Algorithm**
Hatun M.
Uludağ University Journal of The Faculty of Engineering, vol.26, no.1, pp.325-344, 2021 (Peer-Reviewed Journal)
- V. **Signal Modelling with Recursive Gauss-Seidel Algorithm**
Hatun M.
Academic Perspective Procedia, vol.3, no.1, pp.626-634, 2020 (Peer-Reviewed Journal)
- VI. **The Design of Educational Tool for Jury's Stability Test**
Vatansever F., Hatun M.
Academic Perspective Procedia, vol.2, no.3, pp.476-482, 2019 (Peer-Reviewed Journal)
- VII. **The system stability software tool based on Routh-Hurwitz criterion**
Vatansever F., Hatun M.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.24, no.2, pp.229-240, 2019 (Peer-Reviewed Journal)
- VIII. **Differential Equation Solver Simulator for Runge Kutta Methods**
Hatun M., Vatansever F.
Uludağ University Journal of The Faculty of Engineering, vol.21, no.1, pp.147-164, 2016 (Peer-Reviewed Journal)
- IX. **Newton Tabanlı Kök Bulma Yöntemleri İçin Simülâtör Tasarımı**
Vatansever F., Hatun M.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.19, no.3, pp.327-337, 2015 (Peer-Reviewed Journal)
- X. **Yeni Bir Adaptif Filtreleme Yöntemi: Hibrid GS-NLMS Algoritması**
TİRYAKİ S., HATUN M., KOÇAL O. H.
Uludağ University Journal of The Faculty of Engineering, vol.13, no.2, pp.85-97, 2008 (Peer-Reviewed Journal)
- XI. **Tekrarlamalı Gauss-Seidel Yardımcı Değişkenler Algoritması İle Transfer Fonksiyonu Parametrelerinin Yansız Tahmini**

HATUN M., KOÇAL O. H.

Uludağ University Journal of The Faculty of Engineering, vol.12, no.1, pp.51-59, 2007 (Peer-Reviewed Journal)

XII. Adaptif Filtrelerde Gauss-Seidel Algoritmasının Stokastik Yakınsama Analizi

HATUN M., KOÇAL O. H.

Uludağ University Journal of The Faculty of Engineering, vol.10, no.2, pp.87-92, 2005 (Peer-Reviewed Journal)

Papers Presented at Peer-Reviewed Scientific Conferences

- I. Ayrık Zamanlı Sistem Simülâtörü**
HATUN M., VATANSEVER F.
3rd INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE ISITES2015, Valencia, Spain, 3 - 05 June 2015, pp.1807-1814, (Full Text)
- II. Yardımcı Model Tabanlı Tekrarlamalı Eğim Algoritması ile Transfer Fonksiyonu Parametrelerinin Yansız Tahmini**
HATUN M.
TOK2014 - Otomatik Kontrol Türk Milli Komitesi Ulusal Toplantısı, Kocaeli, Turkey, 11 - 13 September 2014, pp.213-218, (Full Text)
- III. Tekrarlamalı Eğim Algoritması ile Doğrudan Referans Modelli Uyarlamalı Kontrol**
HATUN M.
TOK2014 - Otomatik Kontrol Türk Milli Komitesi Otomatik Kontrol Ulusal Toplantısı, Kocaeli, Turkey, 11 - 13 September 2014, pp.288-294
- IV. Sistem Analizi Eğitimi Simülâtörü Tasarımı**
VATANSEVER F., HATUN M.
ISITES2014 - 2nd International Symposium on Innovative Technologies on Engineering and Science, Karabük, Turkey, 18 - 20 June 2014, pp.546-550
- V. RECURSIVE SUCCESSIVE OVER-RELAXATION ALGORITHM FOR ADAPTIVE FILTERING**
HATUN M., KOCAL O. H.
5th Mosharaka International Conference on Communications, Computers and Applications (MIC-CCA), İstanbul, Turkey, 12 - 14 October 2012, pp.90-95
- VI. Tekrarlamalı Gauss-Seidel Algoritması ile Doğrudan Model-Tabanlı Uyarlamalı Kontrol**
HATUN M., KOÇAL O. H.
TOK'08 Otomatik Kontrol Türk Milli Komitesi Otomatik Kontrol Ulusal Toplantısı, İstanbul, Turkey, 13 - 15 November 2008, pp.518-523
- VII. Tekrarlamalı Gauss-Seidel Yardımcı Değişkenler Algoritması ile Sürekli-Zaman Sistem Parametrelerinin Tahmin Edilmesi**
HATUN M., KOÇAL O. H.
TOK'07 Otomatik Kontrol Türk Milli Komitesi Otomatik Kontrol Ulusal Toplantısı, İstanbul, Turkey, 5 - 07 September 2007, pp.168-173, (Full Text)

Metrics

Publication: 23

Citation (WoS): 7

Citation (Scopus): 10

H-Index (WoS): 2

H-Index (Scopus): 2