

## Res. Asst. YUSUF EREN

### Personal Information

**Office Phone:** [+90 352 207 6666](tel:+903522076666) Extension: 32256

**Email:** [yusuferen@erciyes.edu.tr](mailto:yusuferen@erciyes.edu.tr)

**Web:** <https://avesis.erciyes.edu.tr/yusuferen>

### International Researcher IDs

ScholarID: dEmsOtEAAAAJ

ORCID: 0000-0001-9780-0167

ScopusID: 57904980300

Yoksis Researcher ID: 392156

### Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, --, Turkey 2023 - Continues

Postgraduate, Kayseri University, Lisansüstü Eğitim Enstitüsü, Elektrik-Elektronik Mühendisliği, Turkey 2021 - 2023

Undergraduate, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, Turkey 2015 - 2019

### Dissertations

Postgraduate, Giyilebilir işitme cihazları için çevrim içi sansürlemeye dayalı yeni akustik geri besleme gidericilerin tasarımı, Kayseri University, Lisansüstü Eğitim Enstitüsü, Elektrik-Elektronik Mühendisliği, 2023

### Research Areas

Control and System Engineering, Simulation, Modelling and Identification, Adaptive Systems, Signal Processing, Biosignal Processing, Electrical and Electronics Engineering

### Academic Titles / Tasks

Research Assistant, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2023 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. An acoustic feedback canceler based on probe noise and informative data for hearing aids**  
EREN Y., Güvenç B. Ç., MENGÜÇ E. C.  
Signal, Image and Video Processing, vol.18, no.1, pp.703-714, 2024 (SCI-Expanded)
- II. Cost-Effective Acoustic Feedback Cancellers for Digital Hearing Aids**  
EREN Y., GUVENC B. C., MENGUC E. C.  
IEEE/ACM Transactions on Audio Speech and Language Processing, vol.32, pp.2367-2377, 2024 (SCI-Expanded)

## **KEREREEA CONGRESS / SYMPOSIUM PUBLICATIONS IN PROCEEDINGS**

- I. **Cost-Effective Adaptive Predictor for Large-Scale Wind Signal**  
Eren Y., Çolak Güvenç B., Mengüç E. C.  
2023 46th International Conference on Telecommunications and Signal Processing (TSP), Praha, Czech Republic, 12 - 14 July 2023, pp.221-224
- II. **Adaptive Prediction of Financial Data with Complex-Valued Informative Data**  
Çolak Güvenç B., Eren Y., Mengüç E. C.  
2022 Elektrik-Elektronik ve Biyomedikal Mühendisliği Konferansı (ELECO), Bursa, Turkey, 26 - 28 November 2022, pp.1-5
- III. **Novel Online Censoring Based Learning Algorithm For Complex-Valued Big Data Streams Kompleks-Değerli Büyük Veri Akışları İçin Yeni Çevrim İçi Sansürleme Tabanlı Öğrenme Algoritması**  
Çolak Güvenç B., Eren Y., Mengüç E. C.  
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022
- IV. **Online Censoring Based Acoustic Feedback Cancellation for Wearable Hearing Aids Giyilebilir İşitme Cihazları İçin Çevrim İçi Sansürleme Tabanlı Akustik Geri Besleme Yok Etme**  
Eren Y., Çolak Güvenç B., Mengüç E. C.  
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022

## **Supported Projects**

Mengüç E. C., Eren Y., Çolak Güvenç B., Project Supported by Higher Education Institutions, Design of Novel Acoustic Feedback Cancellers Based on Online Censoring for Wearable Hearing Aids, 2022 - 2024

Mengüç E. C., TUBITAK Project, Development of Novel Complex-Valued Adaptive Signal Processing Techniques Based on Online Censoring Strategy for Big Data Streams, 2021 - 2023

## **Scholarships**

3501 Kariyer Geliştirme Programı 121E324 Nolu Proje Bursiyeri, TUBITAK, 2021 - Continues

## **Awards**

Eren Y., Çolak Güvenç B., Mengüç E. C., TSP 2023 Student Best Paper Award, 2023 46Th International Conference On Telecommunications And Signal Processing (Tsp - Ieee Conference Record #59544), September 2023