

## Res. Asst. YUSUF EREN

### Personal Information

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### International Researcher IDs

ScholarID: dEmsOtEAAAAJ

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Publons / Web Of Science ResearcherID: JBS-4952-2023

ScopusID: 57904980300

Yoksis Researcher ID: 392156

### Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Elektrik Elektronik Mühendisliği, 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

### Academic and Administrative Experience

Internship Committee Member, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2023 - Continues

Exam Program Preparation Commission Member, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2023 - Continues

### Courses

Kontrol Laboratuvarı, Undergraduate, 2023 - 2024

Ölçme ve Analiz Laboratuvarı, Undergraduate, 2023 - 2024

## 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., MENGÜÇ E. C.  
IEEE/ACM Transactions on Audio Speech and Language Processing, vol.32, pp.2367-2377, 2024 (SCI-Expanded)

## Refereed 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

2211-A Yurt İçi Genel Doktora Bursu, TUBITAK, 2024 - Continues

3501 Kariyer Geliştirme Programı 121E324 Nolu Proje Bursiyeri, TUBITAK, 2021 - 2023

## 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