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Personal Information

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International Researcher IDs

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Education Information

Undergraduate, Middle East Technical University, Kuzey Kıbrıs Kampüsü, Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği, Turkey 2009 - 2015

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Technical Sciences, Electrical and Electronics Engineering

Academic Titles / Tasks

Research Assistant, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği , 2015 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A novel sparse reconstruction method based on multi-objective Artificial Bee Colony algorithm**
Erkoç M. E. , Karaboğa N.
SIGNAL PROCESSING, vol.189, 2021 (Peer-Reviewed Journal)
- II. **A comparative study of multi-objective optimization algorithms for sparse signal reconstruction**
ERKOÇ M. E. , KARABOĞA N.
ARTIFICIAL INTELLIGENCE REVIEW, 2021 (Peer-Reviewed Journal)
- III. **Sparse signal reconstruction by swarm intelligence algorithms**
ERKOÇ M. E. , KARABOĞA N.
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.24, no.2, pp.319-330, 2021 (Peer-Reviewed Journal)
- IV. **Evolutionary algorithms for sparse signal reconstruction**
ERKOÇ M. E. , KARABOĞA N.
Signal, Image and Video Processing, vol.13, no.7, pp.1293-1301, 2019 (Peer-Reviewed Journal)

Articles Published in Other Journals

- I. **Comparison of Reconstruction Algorithms for Sparse Signal Recovery from Noisy Measurement**
Erkoç M. E. , Özdemir G., Karaboğa N.
Majlesi Journal of Telecommunication Devices, vol.7, no.1, pp.17-21, 2018 (Peer-Reviewed Journal)
- II. **Analysis of the Effects of the Frequency Band Values on the Performance of the Cosine Modulated Filter Bank Design**
Özdemir G., Erkoç M. E. , Karaboğa N.
Majlesi Journal of Telecommunication Devices, vol.7, no.7, pp.11-15, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Blok Tabanlı Sıkıştırılmış Algılama Metotlarının İncelenmesi ve Karşılaştırılması**
ERKOÇ M. E. , KARABOĞA N.
EEMKON 2019, 14 - 16 November 2019
- II. **USING FPGA'S FOR EDUCATIONAL PURPOSES IN LOGIC LABORATORY**
ÖZDEMİR G., ERKOÇ M. E. , KARABOĞA N.
ICEMST-2018, International Conference on Education in Mathematics, Science and Technology, Muğla, Turkey, 28 April - 01 May 2018
- III. **INTEGRATION OF PROGRAMMABLE HARDWARES TO ENGINEERING EDUCATION:FPGA'S**
ERKOÇ M. E. , ÖZDEMİR G., ÖZDEMİR U., KARABOĞA N.
ICEMST-2018, International Conference on Education in Mathematics, Science and Technology, Muğla, Turkey, 28 April - 01 May 2018
- IV. **Analysis of the Effect of the Stop Band and Transition Band Frequency Values on the Performance of the Filter Bank Design**
ÖZDEMİR G., ERKOÇ M. E. , KARABOĞA N.
International Advanced Researches and Engineering Congress, 16 - 18 November 2017
- V. **Comparison of Minimization and Greedy Algorithms for Recovering Sparse Frequency Domain Signals**
ERKOÇ M. E. , KARABOĞA N.
International Workshop, " Mathematical Methods in Engineering, MME-2017, 27 - 29 April 2017
- VI. **Ayrık Dalgacık Analizi Ve Dalgacık Paket Analizi Yöntemlerini Kullanarak EEG Sinyalinde Gürültü Giderimi**
ERKOÇ M. E. , KARABOĞA N.
Otomatik Kontrol Ulusal Toplantısı (TOK 2016), Turkey, 29 September - 01 October 2016, pp.165-168
- VII. **EEG Sinyalindeki Gürültünün Giderilmesinde Ayrık Dalgacık Ve Ayrık Durağan Dalgacık Dönüşümlerinin Performanslarının İncelenmesi**
ERKOÇ M. E. , KARABOĞA N., Küçüköz N.
Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu (ASYU2016), Turkey, 29 September - 01 October 2016
- VIII. **Noise cancellation application of ECG signal using artificial bee colony algorithm**
KOÇKANAT S., KOZA T., KARABOĞA N., ERKOÇ M. E.
2016 24th Signal Processing and Communication Application Conference, SIU 2016, Turkey, 16 - 19 May 2016

Supported Projects

Karaboğa N., Erkoç M. E. , Project Supported by Higher Education Institutions, Çok Amaçlı Optimizasyon Algoritmalarının Sıkıştırılmış Algılamada Kullanılması, 2021 - 2022
KARABOĞA N., ERKOÇ M. E. , Project Supported by Higher Education Institutions, SIKIŞTIRILMIŞ ALGILAMADA SEZGİSEL ALGORİTMALARIN KULLANIMINA DAYALI YÖNTEMLERİN İNCELENMESİ VE GELİŞTİRİLMESİ, 2017 - 2018

Metrics

Publication: 15

Citation (WoS): 7

Citation (Scopus): 9

H-Index (WoS): 2

H-Index (Scopus): 2