

Res. Asst. PhD SELİN AYDIN FANDAKLI

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği , Turkey 2014 - 2024

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Turkey 2011 - 2014

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey 2006 - 2011

Research Areas

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Pattern Recognition and Image Processing, Electrical and Electronics Engineering, Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Deep learning based ankle-foot movement classification for prosthetic foot**
Aydın Fandaklı S., Okumuş H. İ.
NEURAL COMPUTING AND APPLICATIONS, vol.36, pp.1-11, 2024 (SCI-Expanded)

Articles Published in Other Journals

- I. **Comparison of Artificial Neural Networks with other Machine Learning Methods in Foot Movement Classification**
Aydın Fandaklı S., Okumuş H. İ.
Karadeniz Fen Bilimleri Dergisi, vol.13, no.1, pp.153-171, 2023 (Peer-Reviewed Journal)
- II. **Classification of the Foot Movements with Inertial Measurement Sensor for Ankle-Foot Prosthesis**
Aydın Fandaklı S., Okumuş H. İ.
Karadeniz Fen Bilimleri Dergisi, vol.11, no.2, pp.463-475, 2021 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Design and Dynamic Modelling of an Ankle-Foot Prosthesis for Transfemoral Amputees**

AYDIN FANDAKLI S., OKUMUŞ H. İ., Erdem A. F.

International Conference on Engineering Technologies (ICENTE'18), Konya, Turkey, 26 - 28 October 2018, pp.409-413

II. A Study of Human Walking Biomechanics for Ankle-Foot Prosthesis Design

AYDIN FANDAKLI S., OKUMUŞ H. İ., ÖZTÜRK M.

6th International Conference on Control Engineering and Information Technology (CEIT), İstanbul, Turkey, 25 - 27 October 2018

III. A Fast and Highly Accurate EMG Signal Classification Approach For Multifunctional Prosthetic Fingers Control

AYDIN FANDAKLI S., AYDEMİR Ö.

40th International Conference on Telecommunications and Signal Processing (TSP), Barcelona, Spain, 5 - 07 July 2017, pp.395-398

IV. Antenna Azimuth Position Control with PID, Fuzzy Logic and Sliding Mode Controllers

AYDIN FANDAKLI S., OKUMUŞ H. İ.

International Symposium on Innovations in Intelligent Systems and Applications (INISTA), Sinaia, Romania, 2 - 05 August 2016

V. Anten Azimut Konum Kontrol Sisteminde PID, Bulanık Mantık ve Kayan Kipli Denetleyicilerin Karşılaştırılması

AYDIN FANDAKLI S., OKUMUŞ H. İ.

TOK 2014-Otomatik Kontrol Ulusal Toplantısı, Kocaeli, Turkey, 11 - 13 September 2014, pp.931-936

Supported Projects

OKUMUŞ H. İ., AYDIN FANDAKLI S., Project Supported by Higher Education Institutions, Protez Ayağın Sinyal Tabanlı Akıllı Denetimi, 2023 - 2024

Metrics

Publication: 8

Citation (WoS): 2

Citation (Scopus): 10

H-Index (WoS): 1

H-Index (Scopus): 2

Scholarships

- TÜBİTAK BİDEB 2228-B Yüksek Lisans Öğrencileri için Doktora Bursu, TÜBİTAK, 2015 - 2019