

Res. Asst. Selim SOYLU

Personal Information

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Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Turkey 2013 - Continues

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Turkey 2011 - 2013

Undergraduate, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, Turkey 2005 - 2010

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Tip 1 Diyabet Hastaları için Geliştirilen Glikoz-İnsülin Metabolizması Modelleme Çalışmalarının İncelenmesi ve İnsülin İnfüzyonu Kontrol Uygulamaları, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, 2013

Research Areas

Technical Sciences, Information Systems, Communication and Control Engineering, Control and System Engineering, Controllers, Optimal Control, Computer Sciences, algorithms, Simulation and Modelling, Equipment, Logic Design, Artificial Intelligence, Computer Learning and Pattern Recognition, Fuzzy Sets and Systems, Biomedical Engineering, Clinical Engineering, Clinical Engineering, Electrical and Electronics Engineering

Academic Titles / Tasks

Research Assistant, Aksaray University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2018 - Continues

Research Assistant, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2011 - 2018

Research Assistant, Aksaray University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2010 - 2011

Published journal articles indexed by SCI, SSCI, and AHCI

I. Blood glucose control using an ABC algorithm-based fuzzy-PID controller

SOYLU S., DANIŞMAN K.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.26, no.1, pp.172-183, 2018

(SCI-Expanded)

- II. **In silico testing of optimized Fuzzy P plus D controller for artificial pancreas**
SOYLU S., DANIŞMAN K.
BIOCYBERNETICS AND BIOMEDICAL ENGINEERING, vol.38, no.2, pp.399-408, 2018 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Yaygın Üç Tip 1 Diyabet Benzetim Modelinin Karşılaştırılması**
SOYLU S., DANIŞMAN K.
Otomatik Kontrol Ulusal Toplantısı, TOK 2017, İstanbul, Turkey, 21 - 23 September 2017, pp.518-523
- II. **Comparison of PID based Control Algorithms for Daily Blood Glucose Control**
SOYLU S., DANIŞMAN K.
2nd International Conference on Electrical Engineering and Electronics (EEE'16), Budapeşte, Hungary, 16 - 17 August 2016
- III. **Closed-Loop Control of Blood Glucose Level in Type-1 Diabetics: A Simulation Study**
SOYLU S., DANIŞMAN K., SAÇU I. E., ALÇI M.
8th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30 November 2013, pp.371-375
- IV. **Tip 1 Diyabetiklerde Kan Şekeri Seviyesinin Açık ve Kapalı Döngü Kontrolü**
SOYLU S., DANIŞMAN K.
Otomatik Kontrol Ulusal Toplantısı, Malatya, Turkey, 1 - 04 September 2013, pp.196-201

Metrics

Publication: 6

Citation (WoS): 20

Citation (Scopus): 26

H-Index (WoS): 3

H-Index (Scopus): 3