

Res. Asst. Talha Burak AKCA

Personal Information

Email: tbakca@yildiz.edu.tr

Other Email: talhaburak07@gmail.com

Web: <https://avesis.yildiz.edu.tr/tbakca>

International Researcher IDs

ScholarID: ypoSunEAAAAJ

ORCID: 0000-0001-8786-0326

Publons / Web Of Science ResearcherID: ADV-2127-2022

ScopusID: 58083736600

Yoksis Researcher ID: 318636

Education Information

Doctorate, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechatronics Engineering, Turkey 2023 - Continues

Postgraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechatronics Engineering, Turkey 2020 - 2023

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mekatronik Mühendisliği, Turkey 2019 - 2020

Undergraduate, Yildiz Technical University, Faculty Of Electrical & Electronics, Control And Automation Engineering, Turkey 2014 - 2019

Dissertations

Postgraduate, Performance Comparison of Inverse Fuzzy Control Methods, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechatronics Engineering, 2023

Research Areas

System Dynamics and Control, Robotics, Mechatronics, Modeling and Simulation of Dynamic Systems, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechatronics Engineering, 2020 - Continues

Articles Published in Other Journals

- INVERSE NEURO-FUZZY MODEL BASED CONTROLLER DESIGN FOR A PH NEUTRALIZATION PROCESS**
Akca T. B., Ulu C., Obut S.
Journal of scientific reports-A (Online), no.52, pp.19-34, 2023 (Peer-Reviewed Journal)

- II. **ANFIS Based Inverse Controller Design for Liquid Level Control of a Spherical Tank Projekt sterownika ANFIS do sterowania poziomem cieczy w cylindrycznym zbiorniku**
AKCA T. B., ULU C., OBUT S.
Przegląd Elektrotechniczny, vol.99, no.2, pp.32-36, 2023 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Level Control of a Crude Oil Tank using Fuzzy-PID Controller**
Sünkün S., Parlak B. O., Akca T. B.
7th International Artificial Intelligence and Data Processing Symposium, Malatya, Turkey, 7 - 08 September 2023,
pp.104-114
- II. **Inverse Neuro-Fuzzy Model Based Controller Design for a pH Neutralization Process**
Akca T. B., Ulu C., Obut S.
International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 15 - 18 October 2022,
pp.90

Metrics

Publication: 4
Citation (WoS): 1
Citation (Scopus): 1
H-Index (WoS): 1
H-Index (Scopus): 1