

## Res. Asst. Ali İhsan TAŞ

### Personal Information

**Email:** [ihsan.tas@yildiz.edu.tr](mailto:ihsan.tas@yildiz.edu.tr)

**Web:** <https://avesis.yildiz.edu.tr/ihsan>

### International Researcher IDs

ORCID: 0000-0002-4918-3587

ScopusID: 57796687800

Yoksis Researcher ID: 366645

### Education Information

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Mekatronik Mühendisliği, Turkey 2021 - Continues

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechatronics Engineering, Turkey 2016 - 2021

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Control and System Engineering, Robotics and Mechatronics Systems, Flight Sciences, Aircraft System Technologies

### Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechatronics Engineering, 2022 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Adaptive elliptic trajectory-based received signal strength indicator antenna tracking algorithm**  
Taş A. İ., İscan M., Gürkan B., Yılmaz C.  
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, no.01423312231213677, 2023 (SCI-Expanded)
- II. **A novel elliptic trajectory formula for active RSSI-based antenna tracking algorithm**  
İşcan M., Taş A. İ., Gürkan B., Yılmaz C.  
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.45, no.14, pp.2760-2770, 2023 (SCI-Expanded)

### Articles Published in Other Journals

**I. DISCRETE TIME-BASED FEEDBACK LINEARIZATION CONTROLLER APPROACH FOR ROBOT MANIPULATOR**

Vural B., Taş A. İ., Özden A. B., Aydın M., İşcan M., Yılmaz C.

F.Ü. Uzay ve Savunma Teknolojileri Dergisi, vol.1, no.1, pp.180-185, 2022 (Peer-Reviewed Journal)

**II. ANTENNA TRACKER DESIGN WITH A DISCRETE LYAPUNOV STABILITY BASED CONTROLLER FOR MINI UNMANNED AERIAL VEHICLES**

İŞCAN M., TAŞ A. İ., Vural B., Özden A. B., YILMAZ C.

International Journal of Multidisciplinary Studies and Innovative Technologies, vol.6, no.1, pp.77-85, 2022 (Peer-Reviewed Journal)

## **Refereed Congress / Symposium Publications in Proceedings**

**I. Lyapunov Control Method Based Optimal Control of Alpha-Type Stirling Motor**

Azanpa M., Vural B., Taş A. İ., Özden A. B., İşcan M.

4th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Ankara, Turkey, 09 June 2022

**II. ANTENNA TRACKER DESIGN WITH A DISCRETE LYAPUNOV STABILITY BASED CONTROLLER FOR MINI UNMANNED AERIAL VEHICLES**

İŞCAN M., Taş A. İ., Vural B., Özden A. B., YILMAZ C.

4th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Ankara, Turkey, 09 June 2022

**III. Real Time Discrete Control Algorithm for Gimbal System Design in Mini Unmanned Aerial Vehicles**

Taş A. İ., İşcan M., Özden A. B., Çınar E., Vural B., Yılmaz C.

4th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Ankara, Turkey, 09 June 2022

## **Metrics**

Publication: 7

## **Awards**

Taş A. İ., Birincilik Ödülü, Teknofest / Savaşan İha , July 2021

Taş A. İ., Genel Sıralama / Üçüncülük, Auvsı Suas / Uav Competitions, June 2019