

## Res. Asst. MUHAMMED OĞUZ TAŞ

### Personal Information

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### Education Information

Doctorate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Turkey 2019 - Continues

Postgraduate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Turkey 2016 - 2018

Undergraduate, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Turkey 2011 - 2016

### Dissertations

Postgraduate, Otonom Taşıyıcı Araçlar İçin Yüksek Çözünürlüklü Harita Güncelleme, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, 2018

### Research Areas

Fuzzy Sets and Systems, Pattern Recognition and Image Processing, Neural Networks

### Academic Titles / Tasks

Research Assistant, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, 2018 - Continues

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

- I. **High-definition map update framework for intelligent autonomous transfer vehicles**  
Tas M. O., YAVUZ H. S., YAZICI A.  
JOURNAL OF EXPERIMENTAL & THEORETICAL ARTIFICIAL INTELLIGENCE, vol.33, no.5, pp.847-865, 2021 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Fuzzy inference for crash avoidance of industrial lift trucks**  
GOCER G., TAŞ M. O., YAVUZ H. S.  
Selcuk University Journal of Engineering Sciences, vol.21, no.1, pp.1-8, 2022 (Peer-Reviewed Journal)
- II. **Reliability Analysis of Energy Efficient Mobile Robot Routing**  
Urazel B., Taş M. O.  
Journal of Multidisciplinary Engineering Science Studies, vol.7, no.6, pp.3935-3941, 2021 (Peer-Reviewed Journal)
- III. **A Mobile Robot Application for Constructing Semantic and Metric Maps of Search and Rescue Arenas with Point-Based Deep Learning**

Kocaoğlu M., Işıkdemir Y. E., Uzun M. A., Taş M. O., Turgut K., Kaleci B.

Journal of Scientific, Technology and Engineering Research, vol.2, no.1, pp.11-22, 2021 (Peer-Reviewed Journal)

**IV. Detection of the Brain Tumor Existence Using a Traditional Deep Learning Technique and Determination of Exact Tumor Locations Using K-Means Segmentation from MR Images**

Taş M. O., Ergin S.

İleri Mühendislik Çalışmaları ve Teknoloji Dergisi, vol.1, no.2, pp.91-97, 2020 (Peer-Reviewed Journal)

**V. IMPLEMENTATION OF SMART WHEELCHAIR CONTROL BY USING HEAD MOVEMENTS FOR DISABLED PEOPLE**

Taş M. O., Özüpek Taş D., Yavuz H. S.

Nicel Bilimler Dergisi, vol.2, no.1, pp.19-32, 2020 (Peer-Reviewed Journal)

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

**I. Development of educational robot and user interfaces for robotic applications**

Erdoğan A. K., Yarış B., Vatansever F., Umur Y., TAŞ M. O., YAVUZ H. S.

International Conference on Engineering Technologies, Konya, Turkey, 18 November 2021

**II. Bulanık Mantık Kullanılarak Çoklu Robot Sistemleri İçin Güvenilirlik Tabanlı Görev Paylaşım**

**Analizi Reliability Based Task Allocation Analysis for Multi-Robot Systems by Using Fuzzy Logic**

TAŞ M. O., Yayan U., YAVUZ H. S., YAZICI A.

Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, Antalya, Turkey, 5 - 07 October 2017

**III. Gezegen Araştırmaları Benzetim Laboratuvarı için Uzaktan Kontrollü Gezgin Robot**

**Geliştirilmesi Development of Remote Controlled Mobile Robot for Planet Research Simulation Laboratory**

Yayan U., Özüpek Taş D., TAŞ M. O., ALTAN M., YAZICI A.

2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 October 2017, pp.277-282

**IV. RELIABILITY BASED TASK COMPLETION ANALYSIS OF MOBILE ROBOTS**

Yayan U., Özüpek D., Taş M. O., YAZICI A.

24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1297-1300

## **Metrics**

Publication: 10

Citation (WoS): 1

Citation (Scopus): 6

H-Index (WoS): 1

H-Index (Scopus): 1