

## **Personal Information**

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## **Education Information**

Doctorate, Inonu University, Mühendislik / Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği / Bilgisayar Mühendisliği, Turkey 2015 - 2018

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Elektronik - Bilgisayar, Turkey 2009 - 2011

Undergraduate, Suleyman Demirel University, Teknik Eğitim Fakültesi, Bilgisayar Sistemleri Ö., Turkey 2005 - 2009

## **Foreign Languages**

English, C1 Advanced

## **Dissertations**

Doctorate, Designing Controllers for Path Planning Applications To Mobile Robots With Head-Cameras, Inonu University, Mühendislik / Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği / Bilgisayar Mühendisliği, 2018

Postgraduate, Bulut hesaplama için veri güvenlik sistemi tasarımı, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Elektronik - Bilgisayar, 2011

## **Research Areas**

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

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

- I. **Visual servoing based control methods for nonholonomic mobile robot**  
DİRİK M., KOCAMAZ A. F., DÖNMEZ E.  
JOURNAL OF ENGINEERING RESEARCH, vol.8, no.2, pp.95-113, 2020 (SCI-Expanded)
- II. **Design of Mobile Robot Control Infrastructure Based on Decision Trees and Adaptive Potential Area Methods**  
DÖNMEZ E., KOCAMAZ A. F.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF ELECTRICAL ENGINEERING, vol.44, no.1, pp.431-448, 2020 (SCI-Expanded)
- III. **Assessment of environmental factors affecting software reliability: a survey study**  
Ozcan A., Catal C., TOĞAY C., Tekinerdogan B., DÖNMEZ E.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.28, no.4, pp.1841-1858, 2020 (SCI-Expanded)

- IV. **A Vision-Based Real-Time Mobile Robot Controller Design Based on Gaussian Function for Indoor Environment**  
DÖNMEZ E., KOCAMAZ A. F., DİRİK M.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.43, no.12, pp.7127-7142, 2018 (SCI-Expanded)

### Articles Published in Other Journals

- I. **ADAPTIVE OPERATION MODEL FOR INTERIOR SMART LOGISTICS IN CYBER PHYSICAL SYSTEMS**  
DÖNMEZ E., OKUMUŞ F., KOCAMAZ A. F.  
SELCUK UNIVERSITY JOURNAL OF ENGINEERING, SCIENCE AND TECHNOLOGY, vol.9, no.4, pp.965-980, 2021  
(Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Multi Target Task Distribution and Path Planning for Multi-Agents**  
DÖNMEZ E., KOCAMAZ A. F.  
International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018
- II. **A Hog & Graph Based Human Segmentation from Video Sequences**  
DÖNMEZ E., KOCAMAZ A. F.  
International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018
- III. **Visual Based Path Planning with Adaptive Artificial Potential Field**  
DÖNMEZ E., KOCAMAZ A. F., DİRİK M.  
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- IV. **Visual Servoing Based Path Planning For Wheeled Mobile Robot in Obstacle Environments**  
DİRİK M., KOCAMAZ A. F., DÖNMEZ E.  
2017 International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 16 - 17 September 2017
- V. **Static Path Planning Based on Visual Servoing via Fuzzy Logic**  
DİRİK M., KOCAMAZ A. F., DÖNMEZ E.  
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- VI. **Bi-RRT Path Extraction and Curve Fitting Smooth with Visual Based Configuration Space Mapping**  
DÖNMEZ E., KOCAMAZ A. F., DİRİK M.  
2017 International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 16 - 17 September 2017
- VII. **Vision-Based Decision Tree Controller Design Method Sensorless Application by using Angle Knowledge**  
DİRİK M., KOCAMAZ A. F., DÖNMEZ E.  
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1849-1852
- VIII. **Robot Control with Graph Based Edge Measure in Real Time Image Frames**  
DÖNMEZ E., KOCAMAZ A. F., DİRİK M.  
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1789-1792

### Supported Projects

KOCAMAZ A. F., DÖNMEZ E., EREN B., YUMRUTEPE K., ÖZER M. A., ARICA B. B., Project Supported by Higher Education Institutions, İplik Üretiminde Hata Kaynaklarının RFID Tekniğı ile Belirlenmesi, 2018 - 2021

## **Metrics**

Publication: 13

Citation (WoS): 14

Citation (Scopus): 33

H-Index (WoS): 2

H-Index (Scopus): 4