

## Res. Asst. Dođan Altan

### Personal Information

Email: daltan@itu.edu.tr

### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAN-6825-2020

ScopusID: 55635763500

Yoksis Researcher ID: 103962

### Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliđi Anabilim Dalı, Turkey 2014 - 2021

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliđi Anabilim Dalı, Turkey 2011 - 2014

Undergraduate, Istanbul Technical University, Bilgisayar Ve Bilişim Fakültesi, Bilgisayar Mühendisliđi Bölümü, Turkey 2008 - 2011

### Foreign Languages

English

### Dissertations

Doctorate, Identification of object manipulation anomalies for service robots, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, 2021

Postgraduate, Isolation of action execution failures for cognitive robots, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliđi Anabilim Dalı, 2014

### Research Areas

Technical Sciences, Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition

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

#### I. What went wrong? Identification of everyday object manipulation anomalies

Altan D., Sariel Uzer S.

INTELLIGENT SERVICE ROBOTICS, vol.14, no.2, pp.215-234, 2021 (SCI-Expanded)

#### II. Optimization of real-world outdoor campaign allocations

Akdogan F., Altan D., Peker E., Ustun A., Sariel Uzer S.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.28, no.3, pp.1276-1292, 2020

(SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Bilişsel Robotlarda Gündelik Etkileşim Anomalilerinin Tanısı (in Turkish)**  
ALTAN D., AK A. C., SARIEL S.  
TORK 2018, Turkey, 12 - 14 April 2018
- II. **Empirical Analysis of Probabilistic Methods for Failure Isolation in Robots**  
Altan D., Sariel S.  
Tenth International Workshop on Cognitive Robotics (CogRob2016) at 2016 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2016), Daejeon, South Korea, 9 - 14 October 2016, pp.1-7
- III. **Bilişsel Robotlar için Olasılıksal Hata Tanısı**  
Altan D., Sariel S.  
Türkiye Robotbilim Konferansı (ToRK), İstanbul, Turkey, 26 - 27 October 2015, pp.1-2
- IV. **Robust task execution through experience-based guidance for cognitive robots**  
Sariel S., YILDIZ P., Karapınar S., Altan D., KAPOTOGLU M.  
17th International Conference on Advanced Robotics, ICAR 2015, İstanbul, Turkey, 27 - 31 July 2015, pp.663-668
- V. **Probabilistic failure isolation for cognitive robots**  
Altan D., Sariel-Talay S.  
27th International Florida Artificial Intelligence Research Society Conference, FLAIRS 2014, Florida, United States Of America, 21 - 23 May 2014, pp.370-375
- VI. **Diagnosis of action execution failures for cognitive robots Bilişsel robotlar için eylem yürütme hatalarının tanisi**  
Altan D., Sariel S.  
2014 22nd Signal Processing and Communications Applications Conference, SIU 2014, Trabzon, Turkey, 23 - 25 April 2014, pp.1559-1562
- VII. **Hierarchical HMM-based failure isolation for cognitive robots**  
Altan D., Sariel-Talay S.  
6th International Conference on Agents and Artificial Intelligence, ICAART 2014, Angers, France, 6 - 08 March 2014, vol.2, pp.299-304
- VIII. **Robots that create alternative plans against failures**  
USUG C. U., Altan D., Sariel-Talay S.  
10th IFAC Symposium on Robot Control, SYROCO 2012, Dubrovnik, Croatia, 5 - 07 September 2012, vol.45, pp.461-466
- IX. **A Robust Planning Framework for Cognitive Robots**  
Karapınar S., Altan D., Sariel S.  
AAAI-2012 Workshop on Cognitive Robotics (CogRob), Toronto, Canada, 22 - 26 July 2012, pp.102-108
- X. **An Integrated Planning and Learning Framework for Autonomous Mobile Robots**  
USUG C. U., Altan D., Karapınar S., Ersen M., Sariel S.  
5th International Conference on Cognitive Systems, Viyana, Austria, 22 - 23 February 2012, pp.109

## Metrics

Publication: 13

Citation (Scopus): 9

H-Index (Scopus): 2

## **Non Academic Experience**

Simula Research Laboratory