

## **Assoc. Prof. Sanem Sarieł Uzer**

### **Personal Information**

**Email:** sariel@itu.edu.tr

#### **International Researcher IDs**

ORCID: 0000-0003-2993-6681

Publons / Web Of Science ResearcherID: ABA-8512-2020

ScopusID: 26424084200

Yoksis Researcher ID: 150772

### **Education Information**

Doctorate, İstanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), Turkey 2002 - 2007

Postgraduate, İstanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), Turkey 1999 - 2002

Undergraduate, İstanbul Technical University, Turkey 1994 - 1999

### **Foreign Languages**

English

### **Dissertations**

Doctorate, An integrated planning, scheduling and execution framework for multi-robot cooperation and coordination, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), 2007

Postgraduate, Kullanıcı kesitleriyle yüz ifadelerini analiz eden bir çoklu etmen sistemi uygulaması, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), 2002

### **Research Areas**

Technical Sciences, Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Computer Learning, Automated Problem Solving, Theorem Proving and Logical Reasoning, Mechanical Engineering, Machine Theory and Dynamics, Robotics

### **Academic Titles / Tasks**

Assistant Professor, İstanbul Technical University, Bilgisayar Ve Bilişim Fakültesi, Bilgisayar Mühendisliği Bölümü, 2009 - Continues

Lecturer PhD, İstanbul Technical University, Elektrik-Elektronik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2007 - 2009

Research Assistant, İstanbul Technical University, Elektrik-Elektronik Fakültesi, Bilgisayar Mühendisliği Bölümü, 1999 - 2007

Research Assistant, Georgia Institute of Technology, College Of Computing , Computer Science, 2004 - 2006

## **Academic and Administrative Experience**

İstanbul Teknik Üniversitesi, Bilgisayar Ve Bilişim Fakültesi, Bilgisayar Mühendisliği Bölümü, 2011 - 2012  
İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2009 - 2011

## **Courses**

Artificial Intelligence, Postgraduate, 2016 - 2017, 2015 - 2016

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

- I. **Two-stage training algorithm for A robot soccer**  
Kim T., Vecchietti L. F., Choi K., Sariel Uzer S., Har D.  
PEERJ COMPUTER SCIENCE, vol.7, 2021 (SCI-Expanded)
- II. **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)
- III. **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)
- IV. **Continuous visual world modeling for autonomous robot manipulation**  
Inceoglu A., Koç Ç., Kanat B. O., Ersen M., Sariel S.  
IEEE Transactions on Systems, Man, and Cybernetics: Systems, vol.49, no.1, pp.192-205, 2019 (SCI-Expanded)
- V. **Cognition-Enabled Robot Manipulation in Human Environments**  
Ersen M., Oztop E., Sariel S.  
IEEE ROBOTICS & AUTOMATION MAGAZINE, vol.24, no.3, pp.108-122, 2017 (SCI-Expanded)
- VI. **Cognitive robots learning failure contexts through real-world experimentation**  
Karapinar S., Sariel S.  
AUTONOMOUS ROBOTS, vol.39, no.4, pp.469-485, 2015 (SCI-Expanded)
- VII. **Learning Behaviors of and Interactions Among Objects Through Spatio-Temporal Reasoning**  
Ersen M., Sariel S.  
IEEE TRANSACTIONS ON COMPUTATIONAL INTELLIGENCE AND AI IN GAMES, vol.7, no.1, pp.75-87, 2015 (SCI-Expanded)
- VIII. **Reports of the AAAI 2011 conference workshops**  
Agmon N., Agrawal V., Aha D. W., Aloimonos Y., Buckley D., Doshi P., Geib C., Grasso F., Green N., Johnston B., et al.  
AI Magazine, vol.33, no.1, pp.57-70, 2012 (SCI-Expanded)
- IX. **A Model for User Profiling Systems with Interacting Agents**  
Sariel S., AKGÜN B. T.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.13, no.3, pp.311-331, 2005 (SCI-Expanded)
- X. **A gene based adaptive mutation strategy for genetic algorithms**  
Uyar A. Ş., Sariel S., Eryiğit G.  
LECTURE NOTES IN COMPUTER SCIENCE, vol.3103, pp.227-281, 2004 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Gerçek zamanlı çoklu robot çoklu hedef problemi için artımlı atama yöntemi**

SARIEL S., ERDOĞAN T. N., TUCKER B.

itü dergisi/d : mühendislik, vol.7, pp.41-54, 2008 (Peer-Reviewed Journal)

## Supported Projects

- Sariel Uzer S., Project Supported by Higher Education Institutions, A Generic Approach for Player Modeling using Event-Trait Mapping and Feature Weighting, 2016 - 2018
- Sariel Uzer S., Project Supported by Higher Education Institutions, Failure Avoidance Through Learning Guided Probabilistic Planning, 2015 - 2018
- Sariel Uzer S., Project Supported by Higher Education Institutions, Brokerage Event for the ICT 24 call for Robotics and General Assembly of EuRobotics AISBL, 2014 - 2018
- Sariel Uzer S., Project Supported by Higher Education Institutions, Learning GuidedPlanning For Robust tsk Execution in Cognitive Robotics, 2013 - 2018
- Sariel Uzer S., Project Supported by Higher Education Institutions, Learning Interactions Among Objects Through Spatio Temporal Reasonning, 2012 - 2018
- Sariel Uzer S., Project Supported by Higher Education Institutions, NATURE INSPIRED OPTİMİZATION FOR BİPED ROBOT LOCAMOTION AND PLANNİNG, 2011 - 2018
- Sariel Uzer S., Project Supported by Higher Education Institutions, Çoklu Robot Sistemlerinde Dağıtılmış Bilgi Paylaşımı, 2013 - 2016
- Sariel Uzer S., Project Supported by Higher Education Institutions, Bilişsel Robotlar için Öğrenme Güdümlü Sembolik Planlama, 2014 - 2015
- Sariel Uzer S., Project Supported by Higher Education Institutions, Robotlarla Hataya Dayanıklı Planlama, 2012 - 2015
- Sariel Uzer S., Project Supported by Higher Education Institutions, Destekli Öğrenme İçin Genelleştirilmiş Model Öğrenmesi, 2010 - 2012

## Metrics

Publication: 66

Citation (WoS): 51

Citation (Scopus): 103

H-Index (WoS): 4

H-Index (Scopus): 5

## Non Academic Experience

Triodor

Kapgel

Analitik Bilişim

Artı Teknoloji

Georgia Institute of Technology

Yonelim Ltd. Şirketi