

## Personal Information

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## Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2013 - Continues

Post Graduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2011 - 2013

Under Graduate, Selcuk University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2006 - 2010

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Post Graduate, İşaret dili hareketlerinin bir insansı robot tarafından taklit yoluyla gerçekleşmesi ve öğrenilmesi, Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 2013

## Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Computer Learning, Human Computer Interaction

## Academic Titles / Tasks

Research Assistant, Karabuk University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2019 - Continues

Research Assistant, Istanbul Technical University, Klinik Psikoloji, Bilgisayar Mühendisliği, 2011 - 2019

Research Assistant, Karabuk University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2010 - 2011

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **ISign: An architecture for humanoid assisted sign language tutoring**

Köse H., Akalin N., Yorganci R., Ertugrul B. S. , Kivrak H., Kavak S., Ozkul A., Gurpinar C., Uler P., İnce G.  
Springer Tracts in Advanced Robotics, vol.106, pp.157-184, 2015 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

- **The Estimation Of The Energy Demand In Turkey Using Grey Wolf Optimizer Algorithm**

KOÇ İ., KIVRAK H., BABAOĞLU İ.

Annals of the Faculty of Engineering Hunedoara-International Journal of Engineering, vol.17, 2019 (Refereed Journals of Other Institutions)

## Refereed Congress / Symposium Publications in Proceedings

- **Socially Aware Robot Navigation Using the Collision Prediction Based Pedestrian Model**  
KIVRAK H., ÇAKMAK F., KÖSE H., YAVUZ S.  
Workshop on Robotic Co-workers 4.0: Human Safety and Comfort in Human-Robot Interactive Social Environments  
2018 IEEE/RSJ International Conference on Intelligent Robots and Systems, Madrid, Spain, 1 - 05 Ekim 2018
- **Social robot navigation in human-robot interactive environments: Social force model approach İnsan-Robot Etkileşimli Ortamlarda Sosyal Robot Gezinmesi: Sosyal Kuvvet Modeli Yaklaşımı**  
Kivrak H., Köse H.  
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 Mayıs 2018, pp.1-4
- **The Estimation of the Energy Demand in Turkey Using Gray Wolf Optimizer Algorithm**  
KOÇ İ., KIVRAK H., BABAĞLU İ.  
International Conference on Applied Sciences (ICAS2018), Banja Luka, Bosnia And Herzegovina, 9 - 11 Mayıs 2018, vol.1, pp.153
- **Learning by imitation and implementation of sign language gestures by a humanoid robot İşaret Dili Hareketlerinin Bir İnsani Robot Tarafından Taklit Yoluyla Öğrenilmesi ve Gerçeklenmesi**  
Kivrak H., Köse H.  
2015 23rd Signal Processing and Communications Applications Conference, SIU 2015, Malatya, Turkey, 16 - 19 Mayıs 2015, pp.1993-1996
- **Kinect based interactive music application for disabled children Engelli çocuklar için kinect tabanlı etkileşimli müzik uygulaması**  
Kadalkal Y., Kivrak H., Köse H.  
2014 22nd Signal Processing and Communications Applications Conference, SIU 2014, Trabzon, Turkey, 23 - 25 Nisan 2014, pp.453-456
- **Gesture recognition for humanoid assisted interactive sign language tutoring İnsani robot destekli interaktif işaret dili eğitimi için işaret tanıma**  
Ertugrul B. S. , Gurpinar C., Kivrak H., Köse H.  
2013 21st Signal Processing and Communications Applications Conference, SIU 2013, Haspolat, Turkey, 24 - 26 Nisan 2013
- **Gesture recognition for humanoid assisted interactive sign language tutoring**  
Ertugrul B. S. , Gurpinar C., Kivrak H., Kulagic A., Köse H.  
6th International Conference on Advances in Computer-Human Interactions, ACHI 2013, Nice, France, 24 Şubat - 01 Mart 2013, pp.135-140
- **Humanoid assisted sign language tutoring**  
KIVRAK H., Ertugrul B. S. , yorgancı r., DAĞLARLI E., ajla k., KÖSE H.  
5th International Workshop on Human-Friendly Robotics, Brussels, 10 Ekim 2012
- **ISign: Interaction games for humanoid assisted sign language tutoring**  
Ertugrul B. S. , KIVRAK H., DAĞLARLI E., kulagic a., tekelioglu a., kavak s., ozkul a., yorgancı r., KÖSE H.  
International Workshop on Human-Agent Interaction (iHAI 2012), 11 Ekim 2012, vol.11
- **Gesture imitation using machine learning techniques**  
Itauma I. I. , Kivrak H., Köse H.  
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Turkey, 18 - 20 Nisan 2012

## Supported Projects

Temeltaş H., Köse H., Kivrak H., Project Supported by Higher Education Institutions, İTÜ Kütüphane Robot Projesi, 2015 - 2017

Köse H., Kivrak H., Uuer P., TUBITAK Project, Robot İşaret Dili Öğretmeni, 2012 - 2015

## Scientific Refereeing

28. IEEE SİNYAL İŞLEME ve İLETİŞİM UYGULAMALARI KURULTAYI (SIU 2020), Conference Paper (Full Text),

February 2020