Prof. PINAR DUYGULU ŞAHİN

Personal Information

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Education Information

Doctorate, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 1998 - 2003
Post Graduate, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 1996 - 1998
Under Graduate, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 1991 - 1996

Foreign Languages

English, C1 Advanced

Research Areas

Computer Sciences, Computer Vision, Computer Vision, Engineering and Technology

Academic Titles / Tasks

Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2016 - 2017
Associate Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Bilgisayar Bilimleri Mühendisliği Bölümü, 2015 - 2016
Assistant Professor, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2004 - 2015

Academic and Administrative Experience

Hacettepe Üniversitesi, Bilişim Enstitüsü, 2016 - Continues
Hacettepe Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2015 - 2016

Advising Theses

DUYGULU ŞAHİN P., Model field particles with positional appearance learning for sports player tracking, Doctorate, S.BAYSAL(Student), 2016
DUYGULU ŞAHİN P., Mining web images for concept learning, Post Graduate, E.GÖLGE(Student), 2014
DUYGULU ŞAHİN P., Leveraging large scale data for video retrieval, Post Graduate, A.ARMAĞAN(Student), 2014
DUYGULU ŞAHİN P., Activity analysis for assistive systems, Post Graduate, A.İŞCEN(Student), 2014
DUYGULU ŞAHİN P., Segmentation based Ottoman text and matching based kufic image analysis, Post Graduate, H.ADIGUZEL(Student), 2013
DUYGULU ŞAHİN P., Perception, Learning and Use of Tool Affordances on Humanoid Robots, Post Graduate, Y.ÇALIŞKAN(Student), 2013

İKİZLER CİNBİŞ N., DUYGULU ŞAHİN P., Utilizing multiple instance learning for computer vision tasks, Post Graduate, F.ŞENER(Student), 2013

DUYGULU ŞAHİN P., Naming faces on the web, Post Graduate, H.ZİTOUNİ(Student), 2010

DUYGULU ŞAHİN P., Tag expansion methods for photo-sharing websites, Post Graduate, S.GÜL(Student), 2010

DUYGULU ŞAHİN P., A line-based representation for matching words, Post Graduate, E.FATİH(Student), 2009

DUYGULU ŞAHİN P., Computer vision based behavior analysis, Doctorate, Z.YÜCEL(Student), 2009

DUYGULU ŞAHİN P., Vision based behavior recognition of laboratory animals for drug analysis and testing, Post Graduate, S.SANDIKCI(Student), 2009

DUYGULU ŞAHİN P., Understanding human motion: Recognition and retrieval of human activities, Doctorate, N.İKİZLER(Student), 2008

DUYGULU ŞAHİN P., Detection and tracking of repeated sequences in videos, Post Graduate, T.CAN(Student), 2007

DUYGULU ŞAHİN P., A New representation for matching words, Post Graduate, E.ATAER(Student), 2007

DUYGULU ŞAHİN P., A graph based approach for finding people in news, Post Graduate, D.ÖZKAN(Student), 2007

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

I. **I-ME: iterative model evolution for learning from weakly labeled images and videos**
    YALÇINKAYA Ö., Golge E., DUYGULU ŞAHİN P.
    MACHINE VISION AND APPLICATIONS, vol.31, no.5, 2020 (Journal Indexed in SCI)

II. **GANILLA: Generative adversarial networks for image to illustration translation**
    Hicsonmez S., SAMET N., AKBAŞ E., DUYGULU ŞAHİN P.
    IMAGE AND VISION COMPUTING, vol.95, 2020 (Journal Indexed in SCI)

III. **Sentioscope: A Soccer Player Tracking System Using Model Field Particles**
     Baysal S., DUYGULU ŞAHİN P.
     IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, vol.26, no.7, pp.1350-1362, 2016 (Journal Indexed in SCI)

IV. **Classifying fonts and calligraphy styles using complex wavelet transform**
    Bozkurt A., Duygulu P., Cetin A. E.
    SIGNAL IMAGE AND VIDEO PROCESSING, vol.9, pp.225-234, 2015 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

I. **Learning Semantic Concepts from Weakly Labeled Data**
    Hicsonmez S., Rezazadeh I., Unal D., Yaruktepe D., DUYGULU ŞAHİN P.
    27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, 24 - 26 April 2019

II. **Who Draw This? Caricaturist Recognition using Convolutional Neural Networks**
    Hicsonmez S., SAMET N., Akba E., DUYGULU ŞAHİN P.
    26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018

III. **Action Recognition with Prototypes**
     YALÇINKAYA Ö., DUYGULU ŞAHİN P.
     25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

IV. **Could We Create A Training Set For Image Captioning Using Automatic Translation?**
    SAMET N., Hicsonmez S., DUYGULU ŞAHİN P., AKBAŞ E.
    25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

V. **Turkish Sign Language Recognition Application Using Motion History Image**
    Yalcinkaya O., Atvar A., DUYGULU ŞAHİN P.
    24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.801-804

VI. **Rock-Paper-Scissors Game against Computer**

Tekeli N., Ogul B. B. , DUYGULU ŞAHİN P.

24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.489-492

VII. **Image-Based Facial Expression Detection**

Akyol F., DUYGULU ŞAHİN P.

24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.609-612

VIII. **Recognizing human actions from noisy videos via multiple instance learning**

ŞENER F., SAMET N., DUYGULU ŞAHİN P., İKİZLER CİNBİŞ N.

2013 21st Signal Processing and Communications Applications Conference (SIU), Haspolat, Turkey, 24 - 26 April 2013

IX. **Multiple instance learning for re ranking of web image search results**

ŞENER F., İKİZLER CİNBİŞ N., DUYGULU ŞAHİN P.

2012 20th Signal Processing and Communications Applications Conference (SIU), Mugla, Turkey, Turkey, 18 - 20 April 2012

X. **Human action recognition with line and flow histograms**

İKİZLER N., CİNBİŞ R. G. , DUYGULU ŞAHİN P.

2008 19th International Conference on Pattern Recognition, Tampa, FL, USA, 8 - 11 December 2008

XI. **Recognizing actions from still images**

İKİZLER N., CİNBİŞ R. G. , DUYGULU ŞAHİN P.

2008 19th International Conference on Pattern Recognition, Tampa, FL, USA, 8 - 11 December 2008

XII. **Re ranking of image search results using a graph algorithm**

SEVİL S., ZİTOUNİ H., ÖZKAN D., İKİZLER N., DUYGULU ŞAHİN P.

2008 IEEE 16th Signal Processing, Communication and Applications Conference, Aydın, Turkey, 20 - 22 April 2008

XIII. **Human action recognition using distribution of oriented rectangular patches**

İKİZLER N., DUYGULU ŞAHİN P.

Human Motion - Understanding, Modeling, Capture and Animation,Proceedings, Rio-De-Janeiro, Brazil, 14 September - 20 October 2007, vol.4814, pp.271-284

XIV. **Person search made easy**

İKİZLER N., DUYGULU ŞAHİN P.

Proceedings of the 4th international conference on Image and Video Retrieval, Singapore, Singapore, 20 - 22 July 2005

XV. **Improvement of face detection algorithms for news videos**

İKİZLER N., DUYGULU ŞAHİN P.

Proceedings of the IEEE 13th Signal Processing and Communications Applications Conference, 2005., Kayseri, Turkey, Turkey, 16 - 18 May 2005

Supported Projects

DUYGULU ŞAHİN P., ERDEM M. E. , İKİZLER CİNBİŞ N., ERDEM İ. A. , TUBITAK Project, Büyük Görsel Verinin Yorumlanmasına Yönelik Özetleme Yaklaşımları, 2017 - Continues

DUYGULU ŞAHİN P., TUBITAK Project, 109E006 Osmanlica Belgelerin Gorsel ve Metinsel Analizi ve Erisimi, 2009 - 2012

DUYGULU ŞAHİN P., TUBITAK Project, 104E065 Çoğul Ortam Veri Madenciliği Çok Kipli Verinin Daha İyi Erişim ve Değerlendirme Amaçlı Tümleşimi, 2005 - 2010

Citations

Total Citations (WOS):28
h-index (WOS):2