

## 1. KİŞİSEL BİLGİLER

UNVANI ADI SOYADI : PINAR DUYGULU ŞAHİN	
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## 2. EĞİTİM

ÖĞRENİM DÖNEMİ	DERECE (*)	ÜNİVERSİTE	ÖĞRENİM ALANI
1998-2003	Doktora	Orta Doğu Teknik Üniversitesi	Bilgisayar Mühendisliği
1996-1998	Yüksek lisans	Orta Doğu Teknik Üniversitesi	Bilgisayar Mühendisliği
1992-1996	Lisans	Orta Doğu Teknik Üniversitesi	Bilgisayar Mühendisliği

## 3. AKADEMİK ve MESLEKİ DENEYİM

GÖREV DÖNEMİ	UNVAN	ÜNİVERSİTE	BÖLÜM
Aralık 2016- Mayıs 2015-Aralık 2016	Profesör Doçent	Hacettepe Üniversitesi	Bilgisayar Mühendisliği
Ağustos 2013-Ağustos 2015	Araştırmacı	Carnegie Mellon University	Computer Science
Nisan 2004-Mayıs 2015	Yardımcı Doçent	Bilkent Üniversitesi	Bilgisayar Mühendisliği
Temmuz 2004-Ağustos 2004	Araştırmacı	Johns Hopkins University	Center for Language and Speech
Mart 2003-Mart 2004	Doktora sonrası araştırmacı	Carnegie Mellon University	Computer Science
Eylül 1996-Şubat 2003	Araştırma görevlisi	Orta Doğu Teknik Üniversitesi	Bilgisayar Mühendisliği
Şubat 2001-Mayıs 2002	Ziyaretçi araştırmacı	University of California at Berkeley	Computer Science
Temmuz 1999	Ziyaretçi araştırmacı	University of Rochester	Electrical Engineering

## 4. ARAŞTIRMA ALAN(LAR)I: Bilgisayarla Görü, Çok-biçimli büyük veri madenciliği

### ANAHTAR KELİMELELER

Büyük ölçekte nesne, sahne yüz tanıma;  
Resim ve video arşivlerinin anlamsal analizi ve yorumlanması;  
İnsan ve hayvan hareket analizi;  
Tarihi belgelerin erişimi ve çevrimi

## 5. BİLİMSEL KURULUŞ ÜYELİKLERİ (Adayın yurtiçi ve yurtdışında üyesi olduğu bilimsel kuruluşlar)

IEEE - üye
IAPR Türkiye - üye
EUROMM (European Chapter of the Special Interest Group on Multimedia) – Kurucu üye

## 6. KAZANILAN ÖDÜLLER

NVIDIA GPU ödülü, 2016
BAGEP (Bilim Akademisi Genç Bilim İnsanları Ödül Programı), 2015
Fulbright bursu, 2014
Google EMEA Faculty Summit için 100 seçkin akademisyenden biri olarak seçilmek, 2012
TÜBİTAK Kariyer Ödülü, 2005
Best paper in Cognitive vision ödülü, European Conference on Computer Vision, 2002
TUBİTAK NATO-PC (A-2) bursu, 2001

## 7. PROJE DENEYİMİ

	PROJE ADI	PROJEDEKİ GÖREV	PROJENİN ALINDIĞI MERCİ	PROJE BAŞLAMA -BİTİŞ TARİHİ	PROJE SÜRESİ	PROJE BÜTÇESİ	PROJEDEN ELDE EDİLEN SONUÇ
1	MUCKE : Multimedia and User Credibility Knowledge Extraction (Çok Kipli Veriden Kullanıcı Güvenilirliği ve Kavramsal Benzerliğe Dayalı Bilgi Edinimi)	Yürütücü	TÜBİTAK (112E174) CHIST-ERA	01/10/2012 30/06/2016 arada Donduruldu	3 yıl	318.758TL	Proje ortaklarıyla bir prototip başarıyla gerçekleştirilmiştir. Kavramların webden toplanan resimlerden otomatik öğrenilmesi konusunda iki farklı model geliştirilmiştir. Şu ana kadar bu konuyla ilgili 5 konferans makalesi yayınlanmıştır. 5 yüksek lisans öğrencisi bu konuda tez yapmıştır/ yapmaktadır.
2	Visual and Textual Analysis and Retrieval of Ottoman Documents (Osmanlı Metinlerinin Görsel ve Yazısal Analizi ve Erişimi)	Yürütücü	TÜBİTAK 1001 109E006	Eylül 2009- Eylül 2012	3 yıl	191,000 TL	Osmanlıca belgelerin kelimelerin görsel özelliklerine göre erişimi konusunda çalışılmıştır. Rediflerin, Kufi modellerinin bulunması gibi özel alanlarda da çalışılmıştır. Divanların farklı kopyalarında eşleştirme yapılmıştır. Yazı tipleri sınıflandırılmıştır. Bu konuda beş dergi makalesi, ve altı konferans makalesi yayınlanmıştır. Üç öğrenci bu konuda yüksek lisans tamamlamıştır. Başarı öyküleri kitabında yer almıştır.

3	Multimedia data mining : Integration of multi-modal data for a better retrieval and analysis (Çoğul-Ortam Veri Madenciliği: Çok-Kipli Verinin Daha İyi Erişim ve Değerlendirme Amaçlı Tümlleşimi)	Yürütücü	TÜBİTAK Kariyer 104E065	Nisan 2005-Nisan 2010	5 yıl	157,000TL	Kariyer projesi kapsamında nesne ve yüz tanımadan, hareket analizine ve belge işleme kadar birçok problem ele alınmış, iki doktora ve altı yüksek lisans öğrencisi desteklenmiştir. Beş dergi ve yirmi civarı konferans makalesi yayınlanmıştır.
4	Semantic Multimodal Analysis of Digital Media	Eş-Yürütücü	COST 292 TÜBİTAK 104E077	Ekim 2004-Ekim 2008	4 yıl	102,060TL	Bu proje sayesinde video analizi konusunda Avrupada çalışan birçok önemli grupla bağlantı kurulmuştur.TRECVID yarışmalarına grup olarak katılmıştır.
5	MUSCLE - Multimedia Understanding Through Semantics, Computation and Learning	Araştırmacı	European Commission FP6 NoE project	2004-2008	4 yıl		CHIST-ERA projesinin oluşturulmasında bu projedeki tanışma etkili olmuştur.
6	IST-TURKEY: New Information Society Technologies for Turkey	Araştırmacı	TÜBİTAK 105E065	2005-2008	3 yıl		Bu projede başlayan iletişimle hayvan hareket analizi çalışmaları başlamış, bir dergi makalesi yazılmıştır.

#### 8. DİĞER FAALİYET ve SORUMLULUKLAR ( Hakemlik//Editörlük/Danışmanlık vb)

Hakemlik yapılan dergiler	<ul style="list-style-type: none"> <li>-IEEE Transactions on Pattern Analysis and Machine Intelligence,</li> <li>-International Journal of Computer Vision,</li> <li>-Computer Vision and Image Understanding,</li> <li>-Image and Vision Computing,</li> <li>-Machine Vision and Applications,</li> <li>-IEEE Transactions on Multimedia,</li> <li>-IEEE Multimedia,</li> <li>-Multimedia Tools and Applications,</li> <li>-Multimedia Systems,</li> <li>-IEEE Transactions on Circuits and Systems for Video Technology,</li> <li>-IEEE Transactions on Image Processing,</li> <li>-Pattern Recognition,</li> <li>-Pattern Recognition Letters,</li> <li>-Pattern Analysis and Applications,</li> <li>-International Journal of Pattern Recognition and Artificial Intelligence,</li> <li>-Signal Processing,</li> <li>-Signal Processing: Image Communications,</li> <li>-Signal, Image and Video Processing,</li> <li>-Journal of Visual Communication and Image Representation,</li> <li>-Computational Intelligence,</li> <li>-IEEE Transactions on Computational Intelligence and AI in Games,</li> <li>-EURASIP Journal on Image and Video Processing,</li> <li>-Journal on Computing and Cultural Heritage,</li> <li>-Turkish Journal of Electrical Engineering and Computer Sciences</li> </ul>
Editör/Yardımcı Editör olunan dergiler	<ul style="list-style-type: none"> <li>1- Guest editor - Neurocomputing Special Issue on Smart Computing for Large Scale Visual Data Sensing and Processing</li> <li>2- Associate editor - PeerJ</li> </ul>

Vice Chair	International Association for Pattern Recognition (IAPR) Technical Committee 12 on Multimedia and Visual Information Systems, June 2009-August 2012
Publicity co-chair	20th International Conference on Pattern Recognition (ICPR 2010).
Area Chair	24th IEEE Conference on Computer Vision and Pattern Recognition (CVPR 2011).
Program Committee member:	<ul style="list-style-type: none"> <li>-IEEE International Conference on Computer Vision and Pattern Recognition (CVPR) 2004-2006, 2008-2010, 2012-2015, 2017</li> <li>– European Conference on Computer Vision (ECCV) 2006, 2008, 2010, 2012, 2014, 2016</li> <li>– International Conference on Computer Vision (ICCV) 2005, 2007, 2009, 2011, 2013, 2015</li> <li>– ACM International Conference on Multimedia Retrieval (ICMR) 2011-2016</li> <li>– International Conference on Pattern Recognition (ICPR) 2008, 2010, 2012, 2014</li> <li>– ACM International Conference on Multimedia (ACM MM) 2014-2015</li> <li>-IEEE International Conference on Multimedia and Expo (ICME) 2016</li> <li>– International Workshop on Human Activity Understanding from 3D Data (HAU3D), 2011-2013</li> <li>– Workshop on Multimedia Data Mining(MDM), in conjunction with KDD, 2008, 2013</li> <li>– ECCV Workshop on Web-scale Vision and Social Media, 2012</li> <li>– ACM International Conference on Image and Video Retrieval (CIVR) 2007-2010</li> <li>– ACM SIGMM International Workshop on Multimedia Information Retrieval (MIR) 2006, 2007, 2010</li> <li>– International Workshop on Content Based Multimedia Indexing (CBMI) 2010</li> <li>– International Multimedia Modelling Conference (MMM) 2010</li> <li>– International Symposium on Computer and Information Sciences (ISCIS), 2007, 2010</li> <li>– International Conference on Machine Learning (ICML) 2009</li> <li>– Workshop on Cross-Media Information Access and Mining (CIAM), in conjunction with IJCAI, 2009</li> <li>– The Joint VCL-VISU workshop, in conjunction with CVPR 2009</li> <li>– European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML PKDD) 2008</li> <li>– International Conference on Semantic and Digital Media Technologies (SAMT) 2008</li> <li>– International Workshop on Multimodal Information Retrieval, in conjunction with IJCAI 2007</li> <li>– International RIAO Conference, 2007</li> </ul>
Panelist	TÜBİTAK EEEAG 1001 proje önerilerinin değerlendirilmesi FP7 programlarına gönderilen proje önerilerinin değerlendirilmesi
İzleyici hakem	TÜBİTAK EEEAG 1001 projeleri FP7 programınca desteklenen SEMEDIA adlı proje

## 9. YAYIN ve ATIF ÖZETİ

Halen yayınlanmış/hazırlanmış olan makalelerimin dağılımı aşağıda sunulmuştur. Bildirilerin listesi ve her birinin aldığı atıf sayısı ileriki sayfalarda verilmiştir.

- 16 tane yayınlanmış dergi makalesi
- 1 tane editorial makalesi
- 4 tane kitap ünitesi
- 47 tane uluslararası konferanslar ve çalıştaylarda yayınlanmış bildiri (bunlardan 11 tanesi Lecture Notes in Computer Science Serisinde yayınlanmıştır)
- 26 tane ulusal konferanslarda yayınlanmış bildiri

Bu yayınlara aldığım toplam atıf sayısının Aralık 2016 tarihindeki özeti şu şekildedir.

- ISI Web of Science'a göre : 1001 atıf h-index = 7
- Scopus'a göre : 1671 atıf, h-index = 16
- Google Scholar'a göre: 5637 atıf, h-index = 24, i10-index = 44

## 10. YAYIN LİSTESİ

**Kısaltmalar:** [ISI]: ISI Web of Science [S]: Scopus, [G] : Google Scholar atıfları

ULUSLARARASI DERGİLERDE YAYINLANMIŞ ARAŞTIRMA MAKALELERİ		
1	SCI	Baysal, S., Duygulu, P., "Sentioscope: A Soccer Player Tracking System using Model Field Particles", IEEE Transactions on Circuits and Systems for Video Technology, Volume 26, Issue 7, pp. 1350 - 1362, July 2016. [Atıflar: 2(G)]
2	SCI-E	Arifoglu, D., Duygulu, P., Kalpakli, P., "Cross-document word-matching for segmentation and retrieval of Ottoman divans", Pattern Analysis and Applications, Volume 19, Issue 3, pp. 647-663, August 2016.
3	SCI-E	Zhang, L., Duygulu, P. Zuo, W., Shan, S., Hauptmann, A., "Smart computing for large scale visual data sensing and processing", Neurocomputing, Volume: 178 Special Issue, pp. 1-2, February 2016
3	SCI-E	Bozkurt, A., Duygulu, P., Cetin, E., "Classifying Fonts and Calligraphy Styles Based on Complex Wavelet Transform", Signal, Image and Viseo Processing, Volume 9, Supplement 1, pp. 225-234, December 2015.
4	SCI-E	Arifoglu, D., Sahin, E., Adiguzel, H., Duygulu, P., Kalpakli, P., "Matching Islamic Patterns in Kufic Images", Pattern Analysis and Applications, Volume 18, <a href="#">Issue 3</a> , pp. 601-617, August 2015 [Atıflar: 1(G)]
5	SCI	Baysal, S., Duygulu, P., "A Line Based Pose Representation For Human Action Recognition", Signal Processing: Image Communication, Volume 28, Issue 5, pp. 458-471, May 2013. [Atıflar: 5(ISI), 3(S), 8(G)]
6		Can, E.F., Can, F., Duygulu, P., Kalpakli, M., "Automatic Categorization of Ottoman Poems", Glottotheory: International Journal of Theoretical Linqistics, Volume 2/2013, 2013.

7	SCI-E	Can, F, Duygulu, P., "A line-based representation for matching words in historical manuscripts" , Pattern Recognition Letters, Volume 32, number 8, pp. 1081-1222, June 2011. [Atıflar: 6(ISI), 4(S), 9(G)]
8	SCI	Pehlivan, S., Duygulu, P., "A new pose-based representation for recognizing actions from multiple cameras", Computer Vision and Image Understanding, Volume 115, number 2, pp. 140-151, February 2011. [Atıflar: 11(ISI), 16(S), 29(G)]
9	SCI-E	Duygulu, P., Bastan, M., "Multimedia translation for linking visual data to semantics in videos", Machine Vision and Applications, Volume 22, Number 1, pp. 99-115, 2011. [Atıflar: 1(ISI), 1(S), 4(G)]
10	SCI	Ozkan, D., Duygulu, P., "Interesting Faces: A Graph Based Approach for Finding People in News", Pattern Recognition, Volume 43, Number 5, pp. 1717-1735, May 2010. [Atıflar: 12(ISI), 14(S), 25(G)]
11	SCI-E	Sevil, S. G., Kucuktunc, O. , Duygulu, P. , Can, F., "Automatic Tag Expansion using Visual Similarity for Photo Sharing Websites", Multimedia Tools and Applications, Volume 49, Number 1, pp. 81-99, August 2010. [Atıflar: 5(ISI), 13(S), 22(G)]
12	SCI	Ikizler, N. ve Duygulu P., "Histogram of Oriented Rectangles: A New Pose descriptor for Human Action Recognition", Image and Vision Computing, Volume 27, Issue 10, pp. 1515-1526, September 2009. [Atıflar: 53(ISI), 59(S), 108(G)]
13	SCI	Yucel, Z., Sara, Y., Duygulu, P. Onur, R., Esen, E., Ozguler, B., "Automated Discrimination of Psychotropic Drugs in Mice via Computer Vision-Based Analysis", Journal of Neuroscience Methods, Volume 180, Number 2, pp. 234-242, June 2009. [Atıflar: 1(ISI), 1(S), 2(G)]
14	SCI	Xu, Y., Duygulu, P., Saber, E., Tekalp, M., Yarman Vural, F., "Object Based Image labeling through Learning-by-Example and Multi-level Segmentation", Pattern Recognition, Volume 36, Number 6, pp. 1407-1423, 2003. [Atıflar: 7(ISI), 12(S), 22(G)]
15	SCI	Barnard, K., Duygulu, P., Forsyth, D., de Freitas, N., Blei, D., Jordan, M., "Matching Words and Pictures", Journal of Machine Learning Research (JMLR), Special Issue on Machine Learning Methods for Text and Images, Volume 3, pp. 1107-1135, 2003. [Atıflar: 626 (ISI), 869(S), 1600(G)]
16	SCI-E	Duygulu, P., Atalay, V., "A Hierarchical Representation of Form Documents for Identification and Retrieval", International Journal on Document Analysis and Recognition (IJ DAR), volume 5, number 1, pages 17-27, 2002. [Atıflar: 20(S), 37(G)]

## KİTAP BÖLÜMLERİ

Bu bölümde özel olarak kitap ünitesi olarak hazırlanan ya da Lecture Notes in Computer Science kitaplarında yer almış yayınlar listelenmiştir.

1	Isken, A., Wang, Y., Duygulu, P., Hauptmann, A., "Snippet Histograms for Assistive Technologies", Proceedings of Workshop on Assistive Computer Vision and Robotics, in conjunction with ECCV, Zurich, 2014 (Lecture Notes in Computer Science Volume:8928 Pages: 3-16 ) [Atıflar: 1(G)]
2	Golge, E., Duygulu , P., "ConceptMap: Mining noisy web data for concept learning", Proceedings of European Conference on Computer Vision (ECCV), Zurich, 2014 (Lecture Notes in Computer Science Volume: 8695 Pages:439-455) [Atıflar: 2(ISI), 8(G)]
3	Kucuktunc, O., Sevil, S. G., Tosun, A. B., Zitouni, H., Duygulu, P., Can, F., "Tag Suggestr: Automatic Photo Tag Expansion using Visual Information for Photo Sharing Websites", Proceedings of 3rd International Conference on Semantic and Digital Media Technologies, (SAMT), Koblenz, Germany, 2008. ( Lecture Notes in Computer Science Volume: 5392 Pages: 61-73 ) [Atıflar: 3(ISI), 2(S), 20(G)]

4	Duygulu, P., Bastan, M., Ozkan, D., "Linking image and text for semantic labeling of images and videos", Machine Learning Techniques for Multimedia, ed. M. Cord, P. Cunningham, Springer-Verlag, 2008. [Atiflar: 1(G)]
5	Ikizler, N. Duygulu, P. "Human Action Recognition Using Distribution of Oriented Rectangular Patches", Proceedings of 2nd Workshop on Human Motion: Understanding, Modeling, Capture and Animation, In conjunction with ICCV, Rio de Janeiro, Brazil, 2007 (Lecture Notes in Computer Science, Volume 4814/2007) [Atiflar: 38 (ISI), 35(S), 107(G)]
6	Pan, J.-Y., Yang, H.-Y., Faloutsos, C., Duygulu, P., "Cross-modal Correlation Mining using Graph Algorithms", Knowledge Discovery and Data Mining: Challenges and Realities with Real World Data, ed. X. Zhu, I. Davidson, Idea Group Reference, 2007.
7	Duygulu, P., Bastan M., Forsyth, D., "Translating images to words for recognizing objects in large image and video collections", Towards Category-Level Object Recognition, ed. J. Ponce, M. Hebert, C. Schmid, A. Zisserman, Lecture Notes in Computer Science Series, Vol. 4170, Springer Verlag, 2006 [Atiflar: 1(ISI), 1(G)]
8	Ozkan, D., Duygulu, P., "Finding People Frequently Appearing in News", Proceedings of International Conference on Image and Video Retrieval (CIVR), Tempe, AZ, USA, 2006, (Lecture Notes in Computer Science, Volume 4071/2006) [Atiflar: 5(ISI), 6(S), 24(G)]
9	Bastan, M., Duygulu, P., "Recognizing Objects and Scenes in News Videos", Proceedings of International Conference on Image and Video Retrieval (CIVR), Tempe, AZ, USA, 2006, (Lecture Notes in Coputer Science, Volume 4071/2006). [Atiflar: 1(S), 4(G)]
10	Duygulu, P. "El Yazisi Tanima (in Turkish)", Bilisim Ansiklopedisi, Papatya Yayıncılık, 2006
11	Ikizler, N., Duygulu, P., "Person Search Made Easy", Proceedings of 4th International Conference on Image and Video Retrieval (CIVR), Singapore, 2005, (Lecture Notes in Computer Science, Volume 3568/2005). [Atiflar: 1(ISI), 1(S), 16(G)]
12	Virga, P., Duygulu, P., "Systematic Evaluation of Machine Translation Methods for Image and Video Annotation", Proc. The Fourth International Conference on Image and Video Retrieval (CIVR), Singapore, 2005, (Lecture Notes in Computer Science, Volume 3568/2005) [Atiflar: 1(ISI), 1(S), 18(G)]
13	Duygulu, P., Hauptmann, A., "What's news, what's not? Associating News videos with words", Proc. 3rd International Conference on Image and Video Retrieval (CIVR), Ireland, July 21-23, 2004, (Lecture Notes in Computer Science, Volume 3115/2004, pp. 132-140). [Atiflar: 2(ISI), 1(S), 15(G)]
14	Duygulu, P., Ozcanli, O. C., Papernick, N., "Comparison of Feature Sets using Multimedia Translation", Proceedings of Eighteenth International Symposium on Computer and Information Sciences (ISCIS), Antalya, Turkey, 2003 (Lecture Notes in Computer Science, Volume 2869/2003, pp. 513-520) [Atiflar: 2(G)]
15	Duygulu, P., Barnard, K., de Freitas, N., Forsyth, D., "Object Recognition as Machine Translation: Learning a lexicon for a fixed image vocabulary", Proceedings of European Conference on Computer Vision (ECCV2002), Copenhagen, Denmark, May 27 - June 2, 2002 (Lecture Notes in computer Science, Volume 2353/2002, pp.97). [Atiflar: 185(ISI), 1683(G)]

<b>ULUSLARARASI KONFERANS MAKALELERİ</b>	
1	Golge, E., Duygulu, P., "FAME: Face Association through Model Evolution", Proceedings of CVPR Workshop on Analysis and Modeling of Faces and Gestures, Boston, USA, 2015.
2	Sarac, I., Iscen, A., Golge, E., Duygulu, P., "ConceptFusion: A Flexible Scene Classification Framework", Proceedings of European Conference on Information Retrieval (ECIR), Vienna, Austria, 2015. [Atıflar: 2(G)]
3	Sarac, I., Duygulu, P., "Bilkent-RETINA at Retrieving Diverse Social Images Task of MediaEval 2014", Proceedings of MediaEval Workshop, Barcelona, Spain, October, 2014.
4	Isen, A., Armagan, A., Duygulu, P., "What is usual in unusual videos? Trajectory snippet histograms for discovering unusualness", Proceedings of 2nd Workshop on Web-scale Vision and Social Media, in conjunction with CVPR, Columbus, Ohio, USA, 2014. [Atıflar: 1(G)]
5	Isen, A., Duygulu, P., "Knives are picked before slices are cut: recognition through activity sequence analysis", Proceedings of 5th International Workshop on Multimedia for Cooking and Eating Activities (CEA), Barcelona, Spain, 2013. [Atıflar: 4(G)]
6	Armagan, A., Popescu, A., Duygulu, P., "MUCKE Participation at Retrieving Diverse Social Images Task of MediaEval 2013", Proceedings of MediaEval 2013 Multimedia Benchmark Workshop, Barcelona, Spain, 2013. [Atıflar: 3(G)]
7	Adiguzel, H., Sahin, E., Duygulu, P., "A hybrid approach for line segmentation in handwritten documents", Proceedings of 13th International Conference on Frontiers in Handwriting Recognition (ICFHR), Bari, Italy, 2012. [Atıflar: 3(G)].
8	Sandikci, S., Duygulu, P., Ozguler, B., "HMM Based Behavior Recognition of Laboratory Animals", Proceedings of Workshop on Visual observation and analysis of animal and insect behavior (VAIB), in conjunction with ICPR, Japan, 2012.
9	Can, E. F., Can, F., Duygulu, P., Kalpakli, M., "Automatic Categorization of Ottoman Literary Texts By Poet and Time Period", Proceedings of 26th International Symposium on Computer and Information Sciences (ISCIS), London, UK, 2011. [Atıflar: 3(G)]
10	Can, E. F., Duygulu, P., Can, F., Kalpakli, M., "Redif Extraction in Handwritten Ottoman Literary Texts", Proceedings of 20th International Conference on Pattern Recognition (ICPR), Istanbul, Turkey, 2010. [Atıflar: 2(G)]
11	Baysal, S., Kurt, M.C., Duygulu, P., "Recognizing Human Actions Using Key Poses", Proceedings of 20th International Conference on Pattern Recognition (ICPR), Istanbul, Turkey, 2010. . [Atıflar: 11(S), 33(G)]
12	Pehlivan, S., Duygulu, P., "3D Human Pose Search using Oriented Cylinders", Proceedings of IEEE Workshop on Search in 3D and Video, in conjunction with ICCV, Kyoto, Japan, 2009. [Atıflar: 1(S), 5(G)]
13	Zitouni, H., Bulut, M. F., Duygulu, P., "Recognizing faces in news photographs on the web", Proceedings of 24th Int. Symposium on Computer and Information Sciences (ISCIS), 2009. [Atıflar: 1(S), 2(G)]
14	Zitouni, H., Sevil, S.G., Ozkan, D., Duygulu, P., "Re-ranking of image search results using a graph algorithm", Proceedings of 19th International Conference on Pattern Recognition (ICPR), Tampa, Florida, USA, 2008. [Atıflar: 5(S), 30(G)]



15	Ikizler, N., Cinbis, R. G., Duygulu, P., "Human action recognition with line and flow histograms", Proceedings of 19th International Conference on Pattern Recognition (ICPR), Tampa, Florida, USA, 2008 [Atiflar: 8(S), 62(G)]
16	Ikizler, N., Cinbis, R. G., Pehlivan, S., Duygulu, P., "Recognizing actions from still images", Proceedings of 19th International Conference on Pattern Recognition (ICPR), Tampa, Florida, USA, 2008 [Atiflar: 4(S), 63(G)]
17	Hatun, K., Duygulu, P., "Pose sentences: A new representation for action recognition using sequence of pose words", Proceedings of 19th International Conference on Pattern Recognition (ICPR), Tampa, Florida, USA, 2008 [Atiflar: 1(S), 20(G)]
18	Can, T., Duygulu, P., "Searching for Repeated Video Sequences", Proceedings of 9th ACM SIGMM International Workshop on Multimedia Information Retrieval (MIR), In conjunction with ACM Multimedia, University of Augsburg, Germany, 2007 [Atiflar: 1(S), 10(G)]
19	Ataer, E., Duygulu, P., "Matching Ottoman Words: An Image Retrieval Approach to Historical Document Indexing", Proceedings of ACM International Conference on Image and Video Retrieval (CIVR), Amsterdam, The Netherlands, 2007 [Atiflar: 14(S), 38(G)]
20	Ataer, E., Duygulu, P., "Retrieval of Ottoman Documents", Proceedings of 8th ACM SIGMM International Workshop on Multimedia Information Retrieval (MIR 2006), In conjunction with ACM Multimedia, Santa Barbara, CA, USA, 2006 [Atiflar: 5(S), 40(G)]
21	Ozkan, D., Duygulu, P., "A Graph Based Approach for Naming Faces in News Photos", Proceedings of IEEE Conference on Computer Vision and Pattern Recognition (CVPR), New York, NY, 2006 [Atiflar: 30(S), 81(G)]
22	Iyengar, G., Duygulu, P., Feng, S., Ircing, P., Khudanpur, S., Klakow, D., Krause, M., Manmatha, R., Nock, H., Petkova, D., Pytlík, B., Virga, P., "Joint Visual-Text Modeling for Automatic Retrieval of Multimedia Documents", Proceedings of 13th ACM Multimedia Conference, Singapore, 2005. [Atiflar: 17(S), 46(G)]
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2.	Yalçinkaya, Ö., Atvar, A., Duygulu, P., "Hareket Geçmişi Görüntüsü Yöntemi İle Türkçe İşaret Dilini Tanıma Uygulaması", 24. Signal Processing and Communications Applications Conference (SIU), 2016
3.	Akyol, F., Duygulu, P., "Görüntü Tabanlı Yüz İfadesi Tespiti", 24. IEEE Signal Processing and Communications Applications Conference (SIU), 2016
4.	Iscen, A., Golge, E., Armagan, A., Duygulu, P., "Raslantısız karar ağaçlarıyla nesne ve renk dağılımına göre sahne sınıflandırması", Proceedings of 21st Signal Processing and Communications Applications Conference (SIU), Cyprus, 2013.
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6.	Sener, E., Yucel, U.C., Aksoy, S., Büyükgebiz, I., Duygulu, P., "Kişisel fotoğraf albümlerinde yüz etiketlemesi", 21st Signal Processing and Communications Applications Conference (SIU), Cyprus, 2013.
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12.	Arifoglu, D., Duygulu, P., "Word retrieval in Ottoman documents", Proceedings of IEEE 19. Signal Processing and Communications Applications Conference (SIU), Antalya Turkey, 2011
13.	Soysal, T., Adiguzel, H., Oktem, A., Haman, A., Can, E. F., Duygulu, P., Kalpakli, M., "Atatürk'ün el yazmalarının işlenmesi", Proceedings of IEEE 18. Signal Processing and Communications Applications Conference (SIU), Diyarbakir, Turkey, 2010
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16.	Sandikci, S., Duygulu, P., Ozguler, B., "Vision Based Behavior Analysis of Laboratory Animals: A 3D Gradient Based Approach", Proceedings of IEEE 17. Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 2009.
17.	Kurt, M. C., Baysal, S., Damci, P., Aydogdu, G., Telmen, I., Duygulu, P., "Content-based image retrieval in store catalogs", Proceedings of IEEE 17. Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 2009.
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19.	Can, T., Duygulu, P., "Detection and tracking of TV commercials", Proceedings of IEEE 15. Signal Processing and Communications Applications Conference (SIU), Eskisehir, Turkey, 2007
20.	Ataer, E., Duygulu, P., "Matching Ottoman words", Proceedings of IEEE 15. Signal Processing and Communications Applications Conference (SIU), Eskisehir, Turkey, 2007
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24.	Ikizler, N., Duygulu, P., "Improvement of face detection algorithms for news videos", Proceedings of IEEE 13. Signal Processing and Communications Applications Conference (SIU), Kayseri, Turkey, 2005.
25.	Ozcanli, O. C., Duygulu, P., Yarman Vural, F., "Aciklamali Goruntu Veritabanlari Kullanarak Nesne Tanima ve Erisimi (in Turkish)", Proceedings of IEEE 11. Signal Processing and Communications Applications Conference (SIU), Istanbul, Turkey, 2003.
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### DAVET ÜZERİNE YAPILAN KONUŞMALAR

1	Data mining for large scale image and video analysis, TOBB-ETU, 2 Kasım 2016
2	Buyuk olcekli video analizi Yapay ogrenme ve bilgi islemede yeni teknikler yazokulu , 7 Eylül 2016
3	Words and Pictures and Beyond, Keynote, European Natural Language Generation, September 11, 2015
4	<a href="#">A Keyword Search System for Historical Ottoman Documents</a> , Workshop on Data-driven Research in the History of Southeast Europe and Turkey, Bochum, Germany, 25 Haziran 2015 NOT: Konuşma daveti Pınar Duygulu Şahin'e yapılmış, ancak kendisinin son anda gidememesi nedeni ile konuşma öğrencisi Damla Arifoğlu tarafından yapılmıştır.
5	<a href="#">Towards leveraging large data for video analysis</a> , VASC seminar series, Carnegie Mellon University, 13 Ocak 2014
6	<a href="#">Recognition as machine Translation: Labelling Objects and Faces Using large Image and Video Collections</a> , International Object Recognition Workshop, Sicily, Italy, Ekim 2004
7	<a href="#">Linking Visual Features with Text for Multimedia Data Mining</a> , IBM, NY, Mart 2004
8	<a href="#">Translating Images to Words: A Novel Approach for Object Recognition</a> , Carnegie Mellon University, Mart 2003
9	<a href="#">Object Recognition as Machine Translation: Learning a Lexicon for a Fixed image Vocabulary</a> Microsoft Research Center, Cambridge, UK, Ekim 2002

## 11. YÖNETİLEN LİSANSÜSTÜ TEZLER

YÜKSEK LİSANS				
	MEZUN	KURUMU	YILI	TEZ BAŞLIĞI
1	Derya Özkan	Bilkent Üniversitesi	2007	A graph based approach for finding people in news
2	Esra Ataer	Bilkent Üniversitesi	2007	A new representation for matching words
3	Tolga Can	Bilkent Üniversitesi	2007	Detection and Tracking of Repeated Video Sequences
4	Kardelen Hatun	Bilkent Üniversitesi	2008	Pose Sentences: A New Representation for Understanding Human Actions
5	Selçuk Sandıkçı	Bilkent Üniversitesi	2009	Vision based behavior recognition of laboratory animals for drug analysis and testing
6	Ethem Fatih Can	Bilkent Üniversitesi	2009	A line based representation for matching words
7	Sare Gül Sevil	Bilkent Üniversitesi	2010	Tag expansion methods for photo-sharing websites
8	Hilal Zitouni	Bilkent Üniversitesi	2010	Naming Faces on the web
9	Sermetcan Baysal	Bilkent Üniversitesi	2011	A Line-Based Pose Representation for Human Action recognition
10	Damla Arifoğlu	Bilkent Üniversitesi	2011	Historical Document Analysis based on Word Matching
11	Mehmet Can Kurt	Bilkent Üniversitesi	2011	A Key-Pose Based representation for Human Action Recognition
12	Yiğit Çalışkan	Bilkent Üniversitesi	2013	Robot Motion Understanding
13	Hande Adıgüzel	Bilkent Üniversitesi	2013	Segmentation of Ottoman Documents
14	Fadime Şener	Bilkent Üniversitesi	2013	Utilizing Multiple Instance Learning for Computer Vision Tasks
15	Eren Gölge	Bilkent Üniversitesi	2014	Mining Web Images for Concept Learning
16	Ahmet İşcen	Bilkent Üniversitesi	2014	Activity Analysis for Assistive Systems
17	Anıl Armağan	Bilkent Üniversitesi	2014	Leveraging Large Scale Data for Video Retrieval
18	Özge Yalçınkaya	Bilkent Üniversitesi	2016	Prototypes: Exemplar based video representation

DOKTORA				
	MEZUN	KURUMU	YILI	TEZ BAŞLIĞI
1	Nazlı İkizler	Bilkent Üniversitesi	2008	Understanding human motion: Recognition and retrieval of human activities
2	Zeynep Yücel	Bilkent Üniversitesi	2009	Computer Vision based behavior analysis
3	Selen Pehlivan	Bilkent Üniversitesi	2012	Multiple view human activity recognition
4	Sermetcan Baysal	Bilkent Üniversitesi	2016	Model Field Particles with appearance learning for sports player tracking

**HALEN HACETTEPE ÜNİVERSİTESİ'NDE DEVAM EDEN TEZLER**

1	Burçin Buket Oğul	Doktora
2	İbrahim Ardıç	Doktora
3	Samet Hiçsönmez	Doktora
4	Mehmet Kerim Yücel	Doktora
5	Özge Yalçinkaya	Doktora
6	İman Rezazadeh Khiavi	Doktora
7	Ezgi Pekşen	Doktora
8	Mehmet Özgen	Yüksek lisans
9	Bilal Öztürk	Yüksek lisans