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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-2291-2012

Yoksis Researcher ID: 20329

Education Information

Doctorate, Middle East Technical University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2003 - 2008

Postgraduate, Middle East Technical University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2001 - 2003

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 1997 - 2001

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Simultaneous bottom-up/top-down processing in early and mid level vision, Orta Doğu Teknik Üniversitesi, Risk Analizi A.B.D., Bilgisayar Mühendisliği (Dr), 2008

Postgraduate, Image-based extraction of material reflectance properties of a 3D object, Orta Doğu Teknik Üniversitesi, Risk Analizi A.B.D., Bilgisayar Mühendisliği (YI) (Tezli), 2003

Research Areas

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

Academic Titles / Tasks

Associate Professor, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2014 - 2018

Lecturer PhD, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2011 - 2014

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Computer Engineering,

2001 - 2008

Courses

BBM413: FUNDAMENTALS OF IMAGE PROCESSING, Undergraduate, 2017 - 2018, 2016 - 2017

BBM101: INTRODUCTION TO PROGRAMMING I, Undergraduate, 2017 - 2018

CMP717: Image Processing, Doctorate, 2016 - 2017

BBM101: Introduction to Programming I, Undergraduate, 2016 - 2017

BBM202: ALGORITHMS, Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Task-Based Visual Attention for Continually Improving the Performance of Autonomous Game Agents**
Ulu E., Çapın T. K., Çelikkale B., ÇELİKCAN U.
Electronics (Switzerland), vol.12, no.21, 2023 (SCI-Expanded)
- II. **A Gated Fusion Network for Dynamic Saliency Prediction**
KOÇAK A., Erdem E., Erdem A.
IEEE TRANSACTIONS ON COGNITIVE AND DEVELOPMENTAL SYSTEMS, vol.14, no.3, pp.995-1008, 2022 (SCI-Expanded)
- III. **Leveraging semantic saliency maps for query-specific video summarization**
Cizmeciler K., Erdem E., Erdem A.
MULTIMEDIA TOOLS AND APPLICATIONS, vol.81, no.12, pp.17457-17482, 2022 (SCI-Expanded)
- IV. **Neural Natural Language Generation: A Survey on Multilinguality, Multimodality, Controllability and Learning**
Erdem E., Kuyu M., Yagcioglu S., Frank A., Parcalabescu L., Babii A., Turuta O., Erdem A., Calixto L., Plank B., et al.
JOURNAL OF ARTIFICIAL INTELLIGENCE RESEARCH, vol.73, pp.1131-1207, 2022 (SCI-Expanded)
- V. **From Noon to Sunset: Interactive Rendering, Relighting, and Recolouring of Landscape Photographs by Modifying Solar Position**
Ture M., Cıkkabakkal M. E., Erdem A., Erdem E., SATILMIŞ P., AKYÜZ A. O.
COMPUTER GRAPHICS FORUM, vol.40, no.6, pp.500-515, 2021 (SCI-Expanded)
- VI. **Synthetic18K: Learning better representations for person re-ID and attribute recognition from 1.4 million synthetic images**
Uner O. C., Aslan C., Ercan B., Ates T., ÇELİKCAN U., Erdem A., Erdem E.
SIGNAL PROCESSING-IMAGE COMMUNICATION, vol.97, 2021 (SCI-Expanded)
- VII. **NOVA: Rendering Virtual Worlds with Humans for Computer Vision Tasks**
Kerim A., Aslan C., ÇELİKCAN U., Erdem E., Erdem A.
COMPUTER GRAPHICS FORUM, vol.40, no.6, pp.258-272, 2021 (SCI-Expanded)
- VIII. **Using synthetic data for person tracking under adverse weather conditions**
Kerim A., ÇELİKCAN U., Erdem E., Erdem A.
IMAGE AND VISION COMPUTING, vol.111, 2021 (SCI-Expanded)
- IX. **Leveraging auxiliary image descriptions for dense video captioning**
Boran E., Erdem A., İKİZLER CİNBIŞ N., Erdem E., Madhyastha P., Specia L.
PATTERN RECOGNITION LETTERS, vol.146, pp.70-76, 2021 (SCI-Expanded)
- X. **mustGAN: multi-stream Generative Adversarial Networks for MR Image Synthesis**
Yurt M., Dar S. U. H., Erdem A., Erdem E., Oguz K. K., ÇUKUR T.
MEDICAL IMAGE ANALYSIS, vol.70, 2021 (SCI-Expanded)
- XI. **Generating visual story graphs with application to photo album summarization**
Celikkale B., Erdogan G., Erdem A., Erdem E.

- SIGNAL PROCESSING-IMAGE COMMUNICATION, vol.90, 2021 (SCI-Expanded)
- XII. **Burst Photography for Learning to Enhance Extremely Dark Images**
Karadeniz A. S., Erdem E., Erdem A.
IEEE TRANSACTIONS ON IMAGE PROCESSING, vol.30, pp.9372-9385, 2021 (SCI-Expanded)
- XIII. **Manipulating Attributes of Natural Scenes via Hallucination**
KARACAN L., Akata Z., Erdem A., Erdem E.
ACM TRANSACTIONS ON GRAPHICS, vol.39, no.1, 2020 (SCI-Expanded)
- XIV. **Hedging static saliency models to predict dynamic saliency**
Kavak Y., Erdem E., Erdem A.
SIGNAL PROCESSING-IMAGE COMMUNICATION, vol.81, 2020 (SCI-Expanded)
- XV. **Image Synthesis in Multi-Contrast MRI With Conditional Generative Adversarial Networks**
Dar S. U. H., Yurt M., KARACAN L., Erdem A., ERDEM M. E., ÇUKUR T.
IEEE TRANSACTIONS ON MEDICAL IMAGING, vol.38, no.10, pp.2375-2388, 2019 (SCI-Expanded)
- XVI. **Spatio-Temporal Saliency Networks for Dynamic Saliency Prediction**
Bak C., KOÇAK A., ERDEM M. E., Erdem A.
IEEE TRANSACTIONS ON MULTIMEDIA, vol.20, no.7, pp.1688-1698, 2018 (SCI-Expanded)
- XVII. **Alpha Matting With KL-Divergence-Based Sparse Sampling**
KARACAN L., Erdem A., ERDEM M. E.
IEEE TRANSACTIONS ON IMAGE PROCESSING, vol.26, no.9, pp.4523-4536, 2017 (SCI-Expanded)
- XVIII. **Data-driven image captioning via salient region discovery**
KİLİCKAYA M., AKKUŞ B. K., Cakici R., Erdem A., Erdem E., İkizler-Cinbis N.
IET COMPUTER VISION, vol.11, no.6, pp.398-406, 2017 (SCI-Expanded)
- XIX. **A comparative study for feature integration strategies in dynamic saliency estimation**
Kavak Y., ERDEM M. E., Erdem A.
SIGNAL PROCESSING-IMAGE COMMUNICATION, vol.51, pp.13-25, 2017 (SCI-Expanded)
- XX. **Automatic Description Generation from Images: A Survey of Models, Datasets, and Evaluation Measures**
Bernardi R., Cakici R., Elliott D., Erdem A., ERDEM M. E., İKİZLER CİNBIŞ N., Keller F., Muscat A., Plank B.
JOURNAL OF ARTIFICIAL INTELLIGENCE RESEARCH, vol.55, pp.409-442, 2016 (SCI-Expanded)
- XXI. **Predicting memorability of images using attention-driven spatial pooling and image semantics**
CELIKCALE B., Erdem A., Erdem E.
IMAGE AND VISION COMPUTING, vol.42, pp.35-46, 2015 (SCI-Expanded)
- XXII. **The State of the Art in HDR Deghosting: A Survey and Evaluation**
Tursun O. T., AKYÜZ A. O., Erdem A., Erdem E.
COMPUTER GRAPHICS FORUM, vol.34, no.2, pp.683-707, 2015 (SCI-Expanded)
- XXIII. **Structure-Preserving Image Smoothing via Region Covariances**
Karacan L., Erdem E., Erdem A.
ACM TRANSACTIONS ON GRAPHICS, vol.32, no.6, 2013 (SCI-Expanded)
- XXIV. **Fragments based tracking with adaptive cue integration**
Erdem E., Dubuisson S., Bloch I.
COMPUTER VISION AND IMAGE UNDERSTANDING, vol.116, no.7, pp.827-841, 2012 (SCI-Expanded)
- XXV. **Visual tracking by fusing multiple cues with context-sensitive reliabilities**
Erdem E., Dubuisson S., Bloch I.
PATTERN RECOGNITION, vol.45, no.5, pp.1948-1959, 2012 (SCI-Expanded)
- XXVI. **Mumford-Shah Regularizer with Contextual Feedback**
Erdem E., Tari S.
JOURNAL OF MATHEMATICAL IMAGING AND VISION, vol.33, no.1, pp.67-84, 2009 (SCI-Expanded)
- XXVII. **Disconnected Skeleton: Shape at Its Absolute Scale**
Aslan C., Erdem A., Erdem E., Tari S.
IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE, vol.30, no.12, pp.2188-2203, 2008 (SCI-Expanded)

- XXVIII. **Vision-based continuous Graffiti (TM)-like text entry system**
Erdem I., Erdem M. E., Atalay V., Cetin A.
OPTICAL ENGINEERING, vol.43, no.3, pp.553-558, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **MSVD-Turkish: a comprehensive multimodal video dataset for integrated vision and language research in Turkish**
Citamak B., Caglayan O., Kuyu M., Erdem E., Erdem A., Madhyastha P., Specia L.
MACHINE TRANSLATION, vol.35, pp.265-288, 2021 (ESCI)
- II. **A Region Covariances based Visual Attention Model for RGB D Images**
ERDEM M. E.
International Journal of Intelligent Systems and Applications in Engineering, vol.4, pp.128-134, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **EVREAL: Towards a Comprehensive Benchmark and Analysis Suite for Event-based Video Reconstruction**
Ercan B., Eker O., Erdem A., Erdem E.
2023 IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops, CVPRW 2023, Vancouver, Canada, 18 - 22 June 2023, vol.2023-June, pp.3943-3952
- II. **CRAFT: A Benchmark for Causal Reasoning About Forces and inTeractions**
Ates T., Atesoglu M. S., Yigit C., Kesen I., Kobas M., Erdem E., Erdem A., Goksun T., Yuret D.
60th Annual Meeting of the Association-for-Computational-Linguistics (ACL), Dublin, Ireland, 22 - 27 May 2022, pp.2602-2627
- III. **Multi-Contrast MRI Synthesis with Channel-Exchanging-Network Çoklu-Kontrast MRG'de Kanal-Değişim-Ağı ile Görüntü Sentezi**
Dalmaz O., Aytekin I., Dar S. U. H., Erdem A., Erdem E., Cukur T.
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022
- IV. **Procedural Reasoning Networks for Understanding Multimodal Procedures**
Amaç M. S., Yağcıoğlu S., ERDEM İ. A., ERDEM M. E.
The SIGNLL Conference on Computational Natural Language Learning (CoNLL), Hong Kong, Hong Kong, 3 - 04 November 2019
- V. **Deep Learning in Remote Sensing**
YÜKSEL M. E., ERDEM M. E., YÜKSEL S. E.
X. Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliği (TUFUAB) Teknik Sempozyumu, Aksaray, Turkey, 25 - 27 April 2019
- VI. **MSVD-Türkçe: Türkçe Video Altyazılama için Geniş Ölçekli Bir Veri Kümesi (MSVD-Turkish: A Large-Scale Dataset for Video Captioning in Turkish)**
Çitamak B., Kuyu M., ERDEM İ. A., ERDEM M. E.
27. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU 2019), Sivas, Turkey, 24 - 26 April 2019
- VII. **Derin Modellerin Eğitiminde Uygulanan Yöntemlerin Giysi Niteliklerinin Tespiti Üzerinde Kıyaslamalı Bir Analizi (A Comparative Analysis of Practices in Training Deep Models for Fashion Attribute Detection)**
Amaç M. S., ERDEM İ. A., ERDEM M. E.
27. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU 2019), Turkey, 24 - 26 April 2019
- VIII. **Multimodal Learning with Vision and Language**

Erdem A., Erdem E.

9th International Conference on Image Processing Theory, Tools and Applications (IPTA), İstanbul, Turkey, 6 - 09 November 2019

IX. Diverse Neural Photo Album Summarization

Ozkose Y. E., Celikkale B., Erdem E., Erdem A.

9th International Conference on Image Processing Theory, Tools and Applications (IPTA), İstanbul, Turkey, 6 - 09 November 2019

X. MSVD-Turkish: A Large-Scale Dataset for Video Captioning in Turkish

Citamak B., Kuyu M., Erdem A., Erdem E.

27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, 24 - 26 April 2019

XI. A Comparative Analysis of Practices in Training Deep Models for Fashion Attribute Detection

Amac M. S., Erdem A., Erdem E.

27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, 24 - 26 April 2019

XII. RecipeQA: A Challenge Dataset for Multimodal Comprehension of Cooking Recipes

Yagcioglu S., ERDEM İ. A., ERDEM M. E., İKİZLER CİNBİŞ N.

Conference on Empirical Methods in Natural Language Processing (EMNLP) 2018, Bruksel, Belgium, 31 October 2018, pp.1358-1368

XIII. Altsözcük Öğeleri ile Türkçe Görüntü Altyazılama (Image Captioning in Turkish with Subword Units)

Kuyu M., ERDEM İ. A., ERDEM M. E.

26. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU 2018), İzmir, Turkey, 02 May 2018, pp.1-4

XIV. Kişi Görüntülerinin Nitelik Esaslı Üretilmesi (Generating Person Images Based on Attributes)

GÜNEL M., ERDEM M. E., ERDEM İ. A.

26. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU 2018), 2 - 05 May 2018

XV. Image Captioning in Turkish with Subword Units

Kuyu M., Erdem A., Erdem E.

26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018

XVI. Generating Person Images Based on Attributes

Gunel M., Erdem E., Erdem A.

26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018

XVII. Automatic Description Generation from Images: A Survey of Models, Datasets, and Evaluation Measures

BERNARDI R., ÇAKICI R., ELLIOTT D., ERDEM İ. A., ERDEM M. E., İKİZLER CİNBİŞ N., KELLER F., MUSCAT A., PLANK B.

International Joint Conference on Artificial Intelligence, 19 - 25 August 2017

XVIII. Re-evaluating Automatic Metrics for Image Captioning

KİLICKAYA M., ERDEM İ. A., ERDEM M. E., İKİZLER CİNBİŞ N.

The 15th Conference of the European Chapter of the Association for Computational Linguistics, 3 - 07 April 2017

XIX. Feature-Based Efficient Moving Object Detection for Low-Altitude Aerial Platforms

Logoglu K. B., Lezki H., Yucel M. K., Ozturk A., Kucukkomurler A., Karagoz B., Erdem A., ERDEM M. E.

16th IEEE International Conference on Computer Vision (ICCV), Venice, Italy, 22 - 29 October 2017, pp.2119-2128

XX. Adjusting Transient Attributes of Outdoor Images using Generative Adversarial Networks

KARACAN L., Lirdem A., ERDEM M. E.

25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

XXI. Turkish Cuisine: A Benchmark Dataset with Turkish Meals for Food Recognition

Gungor C., Baltaci F., ERDEM İ. A., ERDEM M. E.

25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

XXII. Leveraging Captions in the Wild to Improve Object Detection

KİLICKAYA M., İKİZLER CİNBİŞ N., ERDEM M. E., ERDEM İ. A.

5th Workshop on Vision and Language (VL'16), 12 August 2016

XXIII. Dominant Sets Based Analysis of Human Crowds

ASAL B., Erdem A., ERDEM M. E.

- 24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1713-1716
- XXIV. **The Thermal Infrared Visual Object Tracking VOT-TIR2016 Challenge Results**
Felsberg M., Kristan M., Matas J., Leonardis A., Pflugfelder R., Hager G., Berg A., Eldesokey A., Ahlberg J., Cehovin L., et al.
14th European Conference on Computer Vision (ECCV), Amsterdam, Netherlands, 8 - 16 October 2016, vol.9914, pp.824-849
- XXV. **The Visual Object Tracking VOT2016 Challenge Results**
Kristan M., Leonardis A., Matas J., Felsberg M., Pflugfelder R., Cehovin L., Vojir T., Hager G., Lukezic A., Fernandez G., et al.
14th European Conference on Computer Vision (ECCV), Amsterdam, Netherlands, 8 - 16 October 2016, vol.9914, pp.777-823
- XXVI. **Summarizing Personal Image Collections with Intrinsic Properties**
Erdogan G., Celikkale B., Erdem A., ERDEM M. E.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1225-1228
- XXVII. **TasvirEt: A Benchmark Dataset for Automatic Turkish Description Generation from Images**
Unal M. E., Citamak B., Yagcioglu S., Erdem A., ERDEM M. E., İKİZLER CİNBIŞ N., Çakici R.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1977-1980
- XXVIII. **Clustering Motion Trajectories via Dominant Sets**
Bak C., Erdem A., ERDEM M. E.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.601-604
- XXIX. **Image Matting with KL-Divergence Based Sparse Sampling**
KARACAN L., Erdem A., ERDEM M. E.
IEEE International Conference on Computer Vision, Santiago, Chile, 11 - 18 December 2015, pp.424-432
- XXX. **City Scale Image Geolocalization via Dense Scene Alignment**
Yagcioglu S., ERDEM M. E., Erdem A.
IEEE Winter Conference on Applications of Computer Vision (WACV 2015), Hawaii, United States Of America, 6 - 09 January 2015, pp.726-732
- XXXI. **A Distributed Representation Based Query Expansion Approach for Image Captioning**
Yagcioglu S., ERDEM M. E., Erdem A., Çakici R.
53rd Annual Meeting of the Association-for-Computational-Linguistics (ACS) / 7th International Joint Conference on Natural Language Processing of the Asian-Federation-of-Natural-Language-Processing (IJCNLP), Beijing, China, 26 - 31 July 2015, pp.106-111
- XXXII. **Top down saliency estimation via superpixel based discriminative dictionaries**
KOÇAK A., Çizmeciler K., ERDEM İ. A., ERDEM M. E.
British Machine Vision Conference (BMVC 2014), 1 - 05 September 2014
- XXXIII. **Data driven image captioning with meta class based retrieval**
KİLİCKAYA M., ERDEM M. E., ERDEM İ. A., İKİZLER CİNBIŞ N., ÇAKICI R.
2014 22nd Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, Turkey, 23 - 25 April 2014
- XXXIV. **Evaluating Deghosting Algorithms for HDR Images**
Tursun O. T., AKYÜZ A. O., Erdem A., ERDEM M. E.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.1275-1278
- XXXV. **Image Colorization via Dense Correspondences**
Gunel M., KARACAN L., Erdem A., ERDEM M. E.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.285-288

- XXXVI. **VISUAL SALIENCY GUIDED EXPOSURE FUSION**
Mammadova K., ERDEM M. E., Erdem A.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.536-539
- XXXVII. **Visual saliency estimation by integrating features using multiple kernel learning**
Kavak Y., ERDEM M. E., ERDEM İ. A.
6th International Symposium on Attention in Cognitive Systems (ISACS 2013), 3 - 05 August 2013
- XXXVIII. **Visual Attention-driven Spatial Pooling for Image Memorability**
Celikkale B., Erdem A., ERDEM M. E.
26th IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Oregon, United States Of America, 23 - 28 June 2013, pp.976-983
- XXXIX. **Group Sparsity Based Sparse Coding for Region Covariances**
Erdogan H. T., ERDEM M. E., ERDEM İ. A.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- XL. **MILIS Çoklu Örnekle Öğrenme Algoritmasının Farklı Bir Örnek Seçme Yöntemiyle Yeniden İncelenmesi**
Akın O., ERDEM İ. A., ERDEM M. E.
20. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU 2012), Mugla, Turkey, Turkey, 18 - 20 April 2012
- XLI. **Multiple-Instance Learning with Instance Selection via Dominant Sets**
Erdem A., ERDEM M. E.
1st International Workshop on Similarity-Based Pattern Recognition (SIMBAD), Venice, Italy, 28 - 30 September 2011, vol.7005, pp.177-191
- XLII. **Segmentation using the edge strength function as a shape prior within a local deformation model**
ERDEM M. E., TARI Z. S., Vese L.
16th IEEE International Conference on Image Processing (ICIP 2009), Cairo, Egypt, 7 - 10 November 2009
- XLIII. **Mumford Shah Regularizer with Spatial Coherence**
ERDEM M. E., Sancar Yılmaz A., TARI Z. S.
1st International Conference on Scale Space Methods and Variational Methods in Computer Vision (SSVM 2007), 30 May - 02 June 2007
- XLIV. **Articulation Prior in an Axial Representation**
ERDEM İ. A., ERDEM M. E., TARI Z. S.
International Workshop on the Representation and Use of Prior Knowledge in Computer Vision, 13 May 2006
- XLV. **Edge Strength Functions as Shape Priors in Image Segmentation**
ERDEM M. E., ERDEM İ. A., TARI Z. S.
5th International Workshop on Energy Minimization Methods in Computer Vision and Pattern Recognition (EMMCVPR 2005), 9 - 11 November 2005
- XLVI. **Üç Boyutlu Katı Nesnelerin Yansıtma Özelliklerinin Görüntülerden Çıkarılması**
ERDEM M. E., ERDEM İ. A., Yılmaz U. G., ATALAY M. V.
12. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU 2004), Turkey, 28 - 30 April 2004
- XLVII. **Computer vision based unistroke keyboard system and mouse for the handicapped**
ERDEM M. E., ERDEM İ. A., ATALAY M. V., ÇETİN A. E.
IEEE International Conference on Multimedia and Expo. (ICME 2003), Baltimore, MD, USA, 6 - 09 July 2003
- XLVIII. **Engelliler İçin Bilgisayarlı Görmeye Dayalı Klavye ve Fare Sistemi**
ERDEM İ. A., ERDEM M. E., ATALAY M. V., ÇETİN A. E.
11. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU 2003), Turkey, 18 - 20 June 2003
- XLIX. **Computer Vision Based Unistroke Keyboards**
ERDEM İ. A., ERDEM M. E., ATALAY M. V., ÇETİN A. E.
7th International Symposium On Computer and Information Sciences (ISCIS 2002), 28 - 30 October 2002
- L. **Kağıt Klavye Bilgisayarlı Görmeye Dayalı Klavye**
ERDEM İ. A., ERDEM M. E., ATALAY M. V., ÇETİN A. E.
10. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU 2002), Turkey, 12 - 14 June 2002

LI. Bilgisayarlı Görmeye Dayalı Fare Sistemi

ERDEM İ. A., ERDEM M. E., ATALAY M. V., ÇETİN A. E.

10. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU 2002), Turkey, 12 - 14 June 2002

Supported Projects

BERKER M., ERDEM M. E., GÜRSER M. E., TATAR İ., IŞIKAY A. İ., YÜKSEL ERDEM S. E., HANALİOĞLU Ş., BAHADIR Ş., Project Supported by Higher Education Institutions, Hacettepe Üniversitesi Nöroşirürji Eğitim Araştırma ve İnovasyon Merkezi (HÜNERİM), 2022 - Continues

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

ERDEM M. E., Erdem İ. A., TUBITAK Project, 360 Derece Panoramik Videoların Kalitesinin Görsel- İşitsel Belirginlik Rehberliğinde Ölçülmesi, 2021 - 2024

ERDEM M. E., TUBITAK Project, Video Altyazılama İçin Çokdilli Ve Çokkipli Bir Sistem, 2018 - 2020

ERDEM M. E., TUBITAK Project, Derin Modeller İle Kişi Yeniden Saptamada Sentetik Veri Kullanımı, 2018 - 2020

ERDEM M. E., Kobi, Yapay Zeka Temelli Zafiyet Tespit Destek Sistemi (CyberAID), 2018 - 2019

ERDEM M. E., Project Supported by Higher Education Institutions, Türkçe Görüntü Altyazılama için Geniş Ölçekli Bir Denektaşı Veri Kümesi ve Derin Öğrenmeye Dayalı Yaklaşımlar, 2016 - 2019

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