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Personal Information

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Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), Turkey 2009 - 2015

Postgraduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), Turkey 2007 - 2009

Undergraduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2002 - 2006

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Bilgisayar destekli tanı sistemi ile akciğer nodüllerinin nitelendirilmesi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), 2015

Research Areas

Computer Sciences, Computer Vision, Computer Vision, Biomedical Engineering, Biomedical Image Processing, Biomedical Image Processing, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2021 - Continues

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2007 - 2019

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

- I. **Combining 2D and 3D deep models for action recognition with depth information**
KEÇELİ A. S. , KAYA A., CAN A. B.
SIGNAL IMAGE AND VIDEO PROCESSING, vol.12, no.6, pp.1197-1205, 2018 (Journal Indexed in SCI)
- II. **Depth features to recognise dyadic interactions**
KEÇELİ A. S. , KAYA A., CAN A. B.
IET Computer Vision, vol.12, no.3, pp.331-339, 2018 (Journal Indexed in SCI)
- III. **Classification of radiolarian images with hand-crafted and deep features**
KEÇELİ A. S. , KAYA A., KECELI S. U.

COMPUTERS & GEOSCIENCES, vol.109, pp.67-74, 2017 (Journal Indexed in SCI)

IV. Cyclotorsion Detection by Using Scleral Blood Vessels

KAYA A., KEÇELİ A. S., CAN A. B., Çakmak H. B.

COMPUTERS IN BIOLOGY AND MEDICINE, vol.87, pp.152-161, 2017 (Journal Indexed in SCI Expanded)

V. Violent activity detection with transfer learning method

KEÇELİ A. S., KAYA A.

ELECTRONICS LETTERS, vol.53, no.15, pp.1047-1048, 2017 (Journal Indexed in SCI)

VI. A GPU-Based Approach for Automatic Segmentation of White Matter Lesions

KEÇELİ A. S., CAN A. B., KAYA A.

IETE JOURNAL OF RESEARCH, vol.63, no.4, pp.461-472, 2017 (Journal Indexed in SCI)

VII. A weighted rule based method for predicting malignancy of pulmonary nodules by nodule characteristics

KAYA A., CAN A. B.

JOURNAL OF BIOMEDICAL INFORMATICS, vol.56, pp.69-79, 2015 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

I. Action Recognition with Skeletal Volume and Deep Learning

KEÇELİ A. S., KAYA A., CAN A. B.

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

II. Investigation of Transfer Learning on Pulmonary Nodule Characteristics

KAYA A., KEÇELİ A. S., CAN A. B.

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

III. Malignancy prediction by using characteristic-based fuzzy sets: A preliminary study

KAYA A., CAN A. B.

IEEE International Conference on Fuzzy Systems, FUZZ-IEEE 2015, İstanbul, Turkey, 2 - 05 August 2015

IV. A RARE CAUSE OF LUMBOSACRAL PLEXOPATHY: BLADDER DIVERTICULUM

KAYA A., Bekircan-Kurt C. E., GOCMEN R., TAN E.

Biennial Meeting of the Peripheral-Nerve-Society, Quebec, Canada, 27 June - 02 July 2015, vol.20, pp.166-167

V. Determining Malignancy of Small Pulmonary Nodules by Nodule Characteristics

KAYA A., CAN A. B.

6th European Conference of the International Federation for Medical and Biological Engineering, 7 - 11 September 2014

VI. eFis: A Fuzzy Inference Method for Predicting Malignancy of Small Pulmonary Nodules

KAYA A., CAN A. B.

11th International Conference on Image Analysis and Recognition (ICIAR), Portugal, 22 - 24 October 2014, vol.8815, pp.255-262

VII. Designing a pattern stabilization method using scleral blood vessels for laser eye surgery

KAYA A., CAN A. B., Çakmak H. B.

2010 20th International Conference on Pattern Recognition, ICPR 2010, İstanbul, Turkey, 23 - 26 August 2010, pp.698-701

VIII. Developing an eye tracking method for laser eye surgery Lazer göz cerrahisi için bir göz takip yöntemi geliştirilmesi

KAYA A., CAN A. B.

2009 IEEE 17th Signal Processing and Communications Applications Conference, SIU 2009, Antalya, Turkey, 9 - 11 April 2009, pp.392-395

Supported Projects

KAYA A., TUBITAK Project, GÖRME SORUNU YAŞAYANLAR İÇİN BULUT TABANLI SOSYAL YAŞAMA YARDIMCI YAZILIM ODAKLI BİRPLATFORMUN GELİŞTİRİLMESİ, 2017 - Continues
KAYA A., Project Supported by Higher Education Institutions, 6. Uluslararası Bellek Konferansına (International Conference on Memory 2016) Katılım, 2016 - 2018

Citations

Total Citations (WOS):62

h-index (WOS):4