

Asst. Prof. MEHMET KOÇ

Personal Information

Email: mehmet.koc@bilecik.edu.tr

Web: <https://avesis.bilecik.edu.tr/mehmet.koc>

International Researcher IDs

ORCID: 0000-0003-2919-6011

Publons / Web Of Science ResearcherID: B-7451-2016

ScopusID: 35102483100

Yoksis Researcher ID: 54551

Education

Doctorate, Anadolu University, Fen Bilimleri Enstitüsü, Elektronik (Dr), Turkey 2006 - 2012

Postgraduate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (YI) (Tezli), Turkey 2004 - 2006

Undergraduate Double Major, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2001 - 2004

Undergraduate, Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1999 - 2003

Dissertations

Doctorate, New subspace approaches in pattern recognition, Anadolu University, Fen Bilimleri Enstitüsü, Elektronik (Dr), 2012

Postgraduate, Sınıf içi ve sınıflar arası dağılımlardan elde edilen ölçütlerin birleştirilerek fonem tanımda kullanılması, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (YI) (Tezli), 2006

Academic and Administrative Experience

Bilecik Seyh Edebali University, 2015 - Continues

Bilecik Seyh Edebali University, 2017 - 2020

Bilecik Seyh Edebali University, 2018 - 2019

Courses

Doctorate

DOKTORA TEZ ÇALIŞMASI, Doctorate, 2019 - 2020, 2018 - 2019

ÖRÜNTÜ TANIMA YÖNTEMLERİ VE UYGULAMALARI, Doctorate, 2019 - 2020, 2018 - 2019

SAYISAL GÖRÜNTÜ İŞLEME VE UYGULAMALARI, Doctorate, 2018 - 2019, 2017 - 2018

Postgraduate

MAKİNE ÖĞRENMESİ, Postgraduate, 2019 - 2020

UZMANLIK ALAN DERSİ, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

YÜKSEK LİSANS TEZ ÇALIŞMASI, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 -

2014

Undergraduate

İŞARET VE SİSTEMLER, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

MATEMATİK I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

MATEMATİK II, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

DİFERANSİYEL DENKLEMLER, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

BİTİRME ÇALIŞMASI, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

ARAŞTIRMA PROJESİ, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

ÖRÜNTÜ ANALİZİNE GİRİŞ, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

ALGORİTMA TASARIMI, Undergraduate, 2016 - 2017

MÜHENDİSLİK MATEMATİĞİ, Undergraduate, 2012 - 2013

Supervised Theses

MEHMET K., Doku tanımada şekil bilgisi kullanarak yeni özneteliklerin elde edilmesi, Doctorate, N.KAZAK(Student), 2018

Journal articles indexed in SCI, SSCI, and AHCI

- I. **A novel partition selection method for modular face recognition approaches on occlusion problem**
KOÇ M.
Machine Vision and Applications, vol.32, no.1, 2021 (SCI-Expanded)
- II. **Two Pseudo-Common Vectors for Pattern Recognition**
KOÇ M., GÜLMEZOĞLU M. B., ERGİN S., EDİZKAN R., Barkana A.
Arabian Journal for Science and Engineering, vol.45, no.12, pp.10621-10635, 2020 (SCI-Expanded)
- III. **Use of gradient and normal vectors for face recognition**
KOÇ M., ERGİN S., GÜLMEZOĞLU M. B., EDİZKAN R., Barkana A.
IET Image Processing, vol.14, no.10, pp.2121-2129, 2020 (SCI-Expanded)
- IV. **Some variants of spiral LBP in texture recognition**
KAZAK ÇERÇEVİK N., KOÇ M.
IET Image Processing, vol.12, no.8, pp.1388-1393, 2018 (SCI-Expanded)
- V. **Deriving private data in partitioned data-based privacy-preserving collaborative filtering systems**
Bölünmüş veri-tabanlı gizliliği koruyan ortak filtreleme sistemlerinde gizli verinin elde edilmesi
Okkalioglu B. D., KOÇ M., Polat H.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.32, no.1, pp.53-64, 2017 (SCI-Expanded)
- VI. **Reconstructing rated items from perturbed data**
Demirelli Okkalioglu B., KOÇ M., Polat H.
Neurocomputing, vol.207, pp.374-386, 2016 (SCI-Expanded)
- VII. **A survey: deriving private information from perturbed data**
Okkalioglu B. D., Okkalioglu M., KOÇ M., Polat H.
Artificial Intelligence Review, vol.44, no.4, pp.547-569, 2015 (SCI-Expanded)
- VIII. **Discriminative common vector approach based feature selection in face recognition**
KOÇ M., Barkana A.
Computers and Electrical Engineering, vol.40, no.8, pp.37-50, 2014 (SCI-Expanded)

IX. Application of Linear Regression Classification to low-dimensional datasets

KOÇ M., BARKANA A.

Neurocomputing, vol.131, pp.331-335, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **Enhancing Facial Expression Recognition in the Wild with Deep Learning Methods Using a New Dataset: RidNet**
ÖZDEMİR R., KOÇ M.
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.6, no.2, pp.384-396, 2019 (Peer-Reviewed Journal)
- II. **HISTOGRAM OF EDGE SEGMENT CURVATURES FOR TEXTURE RECOGNITION**
KOÇ M., TOPAL C.
Eskişehir Technical University Journal of Science and Technology A- Applied Sciences and Engineering, vol.19, no.3, pp.784-795, 2018 (Peer-Reviewed Journal)
- III. **Performance Analysis of Spiral Neighbourhood Topology Based Local Binary Patterns in Texture Recognition**
KAZAK N., KOÇ M.
International Journal of Applied Mathematics, Electronics and Computers, vol.4, no.Special Issue-1, pp.338-341, 2016 (Peer-Reviewed Journal)
- IV. **A NOVEL IMPLEMENTATION ALGORITHM FOR CALCULATION OF**
KOÇ M., BARKANA A.
Anadolu Üniversitesi Bilim ve Teknoloji Dergisi :A-Uygulamalı Bilimler ve Mühendislik, vol.17, no.2, pp.251-262, 2016 (Peer-Reviewed Journal)

Books

- I. **Improved Multi-spiral Local Binary Pattern in Texture Recognition**
KAZAK ÇERÇEVİK N., KOÇ M.
in: Advances in Intelligent Systems and Computing III, Natalia ShakhovskaMykola O. Medykovskyy, Editor, Springer International Publishing, pp.28-37, 2019

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Decision fusion for partially occluded face recognition using common vector approach**
KOÇ M.
14th International Scientific and Technical Conference on Computer Science and Information Technologies, CSIT 2019, Lviv, Ukraine, 17 - 20 September 2019, vol.1080 AISC, pp.351-360, (Full Text)
- II. **Different Decision Fusion Methods for Modular Common Vector Approach**
KOÇ M.
14th IEEE International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2019, Lviv, Ukraine, 17 - 20 September 2019, vol.1, pp.67-70, (Full Text)
- III. **A Quality Control Application on a Smart Factory Prototype Using Deep Learning Methods**
ÖZDEMİR R., KOÇ M.
14th IEEE International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2019, Lviv, Ukraine, 17 - 20 September 2019, vol.1, pp.46-49, (Full Text)
- IV. **Improved Multi-spiral Local Binary Pattern in Texture Recognition**
KAZAK ÇERÇEVİK N., KOÇ M.
International Conference on Computer Science and Information Technologies, CSIT 2018, Lviv, Ukraine, 11 - 14

September 2018, vol.871, pp.28-37, (Full Text)

V. Improving the performance of spiral local binary pattern using edge information

KAZAK ÇERÇEVİK N., KOÇ M.

13th IEEE International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2018, Lviv, Ukraine, 11 - 14 September 2018, vol.1, pp.364-367, (Full Text)

VI. Face description with spiral local binary patterns

KAZAK ÇERÇEVİK N., KOÇ M.

7th International Conference on Advanced Technologies (ICAT2018), 28 April - 01 May 2018, (Full Text)

VII. A comparison of classification methods for local binary patterns Yerel İkili Örüntüler İçin Sınıflandırma Yöntemlerinin Karşılaştırılması

KAZAK ÇERÇEVİK N., KOÇ M., Benligiray B., Topal C.

24th Signal Processing and Communication Application Conference, SIU 2016, Zonguldak, Turkey, 16 - 19 May 2016, pp.805-808, (Full Text)

VIII. On the privacy of horizontally partitioned binary data-based privacy-preserving collaborative filtering

Okkalioglu M., KOÇ M., Polat H.

10th International Workshop on Data Privacy Management, and Security Assurance, DPM 2015 and 4th International Workshop on Quantitative Aspects in Security Assurance, QASA 2015, Vienna, Austria, 21 - 22 September 2015, vol.9481, pp.199-214, (Full Text)

IX. On the discovery of fake binary ratings

Okkalioglu M., KOÇ M., Polat H.

30th Annual ACM Symposium on Applied Computing, SAC 2015, Salamanca, Spain, 13 - 17 April 2015, vol.13-17-April-2015, pp.901-907, (Full Text)

X. Modular common vector approach Modüler ortak vektör yaklaşımı

KOÇ M., Barkana A.

2014 22nd Signal Processing and Communications Applications Conference, SIU 2014, Trabzon, Turkey, 23 - 25 April 2014, pp.533-535, (Full Text)