

## Lect. PhD ARDA ÜSTÜBİOĞLU

### Personal Information

Office Phone: [+90 462 377 7521](tel:+904623777521)

Email: [ardaustubioglu@ktu.edu.tr](mailto:ardaustubioglu@ktu.edu.tr)

Web: <https://avesis.ktu.edu.tr/ardaustubioglu>

### International Researcher IDs

ORCID: 0000-0002-8656-8697

Yoksis Researcher ID: 152724

### Education Information

Doctorate, Karadeniz Technical University, -, Bilgisayar Mühendisliği, Turkey 2009 - 2018

Postgraduate, Karadeniz Technical University, -, Bilgisayar Mühendisliği, Turkey 2006 - 2009

Undergraduate, Karadeniz Technical University, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği, Turkey 2001 - 2005

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Tıbbi görüntülerde kırılğan damgalamaya dayalı değişiklik yer tespiti, Karadeniz Technical University, -, Bilgisayar Mühendisliği, 2018

Postgraduate, Bir Web Tabanlı miniHaskell Yorumlayıcısı, Karadeniz Technical University, -, Bilgisayar Mühendisliği, 2009

### Research Areas

Computer Sciences, Information Security and Reliability, Hiding Information, Software, Programming Languages, Soft Computing, Engineering and Technology

### Academic Titles / Tasks

Lecturer PhD, Karadeniz Technical University, Trabzon Meslek Yüksekokulu, Elektronik ve Otomasyon, 2009 - Continues

Research Assistant, Karadeniz Technical University, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği, 2006 - 2009

### Academic and Administrative Experience

Assistant Director of Vocational School, Karadeniz Technical University, Trabzon Meslek Yüksekokulu, Elektronik ve Otomasyon, 2020 - Continues

Karadeniz Technical University, Trabzon Meslek Yüksekokulu, Elektronik ve Otomasyon, 2014 - 2016

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Audio forgery detection and localization with super-resolution spectrogram and keypoint-based clustering approach**  
ÜSTÜBİOĞLU B., TAHAOĞLU G., ULUTAŞ G., Ustubioglu A., KILIÇ M.  
JOURNAL OF SUPERCOMPUTING, vol.80, no.1, pp.486-518, 2024 (SCI-Expanded)
- II. **Mel spectrogram-based audio forgery detection using CNN**  
Ustubioglu A., ÜSTÜBİOĞLU B., ULUTAŞ G.  
SIGNAL IMAGE AND VIDEO PROCESSING, vol.17, no.5, pp.2211-2219, 2023 (SCI-Expanded)
- III. **IWT-MDE based reversible thermal image watermarking enhanced with secret sharing mechanism**  
ÜSTÜBİOĞLU A., ULUTAŞ G., ÜSTÜBİOĞLU B.  
MULTIMEDIA TOOLS AND APPLICATIONS, vol.78, no.16, pp.22269-22299, 2019 (SCI-Expanded)
- IV. **Medical Image Tamper Detection Based on Passive Image Authentication**  
ULUTAŞ G., ÜSTÜBİOĞLU A., ÜSTÜBİOĞLU B., NABIYEV V., ULUTAŞ M.  
JOURNAL OF DIGITAL IMAGING, vol.30, no.6, pp.695-709, 2017 (SCI-Expanded)
- V. **A New Medical Image Watermarking Technique with Finer Tamper Localization**  
ÜSTÜBİOĞLU A., ULUTAŞ G.  
JOURNAL OF DIGITAL IMAGING, vol.30, no.6, pp.665-680, 2017 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Detecting Audio Forgery with Rasta -PLP Rasta-PLP ile Ses Sahteciliği Tespiti**  
Hatipoğlu A., ÜSTÜBİOĞLU B., Üstübioğlu A., ULUTAŞ G.  
32nd IEEE Conference on Signal Processing and Communications Applications, SIU 2024, Mersin, Turkey, 15 - 18 May 2024
- II. **Robust Audio Forgery Detection Method Based on Capsule Network**  
DİNÇER S., ÜSTÜBİOĞLU B., ULUTAŞ G., TAHAOĞLU G., Ustubioglu A.  
2023 International Conference on Electrical and Information Technology, IEIT 2023, Malang, Indonesia, 14 - 15 September 2023, pp.243-247
- III. **Watermarking Medical Images with IDWT-FWHT**  
ÜSTÜBİOĞLU A., ULUTAŞ G., ÜSTÜBİOĞLU B.  
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- IV. **Using correlation matrix to detect frame duplication forgery in videos**  
ÜSTÜBİOĞLU B., ULUTAŞ G., NABIYEV V., ULUTAŞ M., ÜSTÜBİOĞLU A.  
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- V. **A Fast Detection Method for Frame Duplication Forgery based on Correlation**  
ÜSTÜBİOĞLU B., ULUTAŞ G., NABIYEV V., ULUTAŞ M., ÜSTÜBİOĞLU A.  
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- VI. **Tamper Localization of the Medical Images Based on Fragile Watermarking**  
ÜSTÜBİOĞLU A., ULUTAŞ G., ÜSTÜBİOĞLU B.  
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- VII. **FRAME DUPLICATION FORGERY DETECTION BY USING DCT**  
ÜSTÜBİOĞLU B., ÜSTÜBİOĞLU A., ULUTAŞ G., ULUTAŞ M., NABIYEV V.  
9. ULUSLARARASI BİLGİ GÜVENLİĞİ VE KRİPTOLOJİ KONFERANSI, Ankara, Turkey, 25 October - 26 December 2016, pp.141-144
- VIII. **Tıbbi Görüntülerde Bütünlük Kontrolü ve Dayanıklılık Sağlayan Yeni Bir Damgalama Algoritması**  
ÜSTÜBİOĞLU A., ULUTAŞ G.

9. ULUSLARARASI BİLGİ GÜVENLİĞİ VE KRİPTOLOJİ KONFERANSI, Ankara, Turkey, 19 - 21 October 2016, pp.98-102

**IX. LBP-DCT Based Copy Move Forgery Detection Algorithm**

Ustubioglu B., Ulutas G., Ulutas M., NABIYEV V., Ustubioglu A.

30th International Symposium on Computer and Information Sciences (ISCIS), London, Canada, 21 - 24 September 2015, vol.363, pp.127-136

**X. DCT Based Image Watermarking Method with Dynamic Gain**

ÜSTÜBİOĞLU A., ULUTAŞ G., ULUTAŞ M.

38th International Conference on Telecommunications and Signal Processing (TSP), Prague, Czech Republic, 9 - 11 July 2015, pp.550-554

**XI. A New Watermark Algorithm Resistance to Geometric Transformations**

ÜSTÜBİOĞLU A., ULUTAŞ G., ULUTAŞ M.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1525-1528

**XII. Acromegaly Pre-Diagnosis Based On Principal Component and Linear Discriminant Analysis**

GENCTURK B., NABIYEV V., ÜSTÜBİOĞLU A.

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

**XIII. Automated Pre-Diagnosis of Acromegaly Disease Using Local Binary Patterns and Its Variants**

Gencturk B., NABIYEV V., ÜSTÜBİOĞLU A., Ketenci S.

36th International Conference on Telecommunications and Signal Processing (TSP), Rome, Italy, 2 - 04 July 2013, pp.817-821

**XIV. Yüz Benzerliğinin Otomatik Tespiti**

ÜSTÜBİOĞLU B., NABIYEV V., ÜSTÜBİOĞLU A.

5. Mühendislik ve Teknoloji Sempozyumu, 2012., Ankara, Turkey, 26 - 27 April 2012, pp.60-62

**XV. Biyometrik Görüntülerin Ağ Üzerinden Güvenli Şekilde İletilmesi**

ÜSTÜBİOĞLU B., NABIYEV V., ÜSTÜBİOĞLU A.

Çankaya Üniversitesi 4. Mühendislik ve Teknoloji Sempozyumu, Ankara, Turkey, 28 - 29 April 2011, pp.50-52

**XVI. Intelligent Communication Between Hearing Disabled People And Visual Disabled People**

ÜSTÜBİOĞLU A.

The 2nd International Conference Problems of Cybernetics and Informatics, Baku, Azerbaijan, 10 - 12 September 2008, vol.1, pp.228-231

**XVII. Web-Tabanlı Bir Yorumlayıcının Tasarımı ve Gerçeklenmesi**

ÜSTÜBİOĞLU A.

1. Mühendislik ve Teknoloji Sempozyumu, Ankara, Turkey, 24 - 25 April 2008, pp.71-75

## Metrics

Publication: 27

Citation (WoS): 66

Citation (Scopus): 103

H-Index (WoS): 4

H-Index (Scopus): 6