

## Lect. PhD ARDA ÜSTÜBİOĞLU

### Personal Information

Office Phone: [+90 462377](tel:+90462377) Extension: 7521

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

### 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 kırılma 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

Karadeniz Technical University, Trabzon Meslek Yüksekokulu, Elektronik ve Otomasyon, 2010 - 2013

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

- I. **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)
- II. **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, 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. **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
- II. **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
- III. **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
- IV. **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
- V. **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
- VI. **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
- VII. **LBP-DCT Based Copy Move Forgery Detection Algorithm**  
Ustubioglu B., Ulutas G., Ulutas M., Nabyev V., Ustubioglu A.  
30th International Symposium on Computer and Information Sciences (ISCIS), London, Canada, 21 - 24 September 2015, vol.363, pp.127-136
- VIII. **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
- IX. **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

- X. **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
- XI. **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
- XII. **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
- XIII. **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
- XIV. **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
- XV. **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: 21

Citation (WoS): 42

Citation (Scopus): 71

H-Index (WoS): 3

H-Index (Scopus): 4