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Biography

1980 yılında Trabzonda doğdum. İlk ve orta öğrenimimi Cudibey İlkokulu ve Kanuni Ortaokulunda tamamladıktan sonra, Fatih Süper Lisesine girmeye hak kazandım. 1998 yılında KTÜ Bilgisayar Mühendisliği Bölümü Lisans Programına ÖSS/ÖYS merkezi sınav ile yerleştirildim. Hazırlık programını atlamış olmam sebebi ile 2002 yılında Lisans Eğitimi, 3.07 diploma notu ile (Bölüm üçüncüsü olarak) tamamladım. 2002-2004 yıllarında aynı bölümde yüksek lisans programını tamamladıktan sonra, 2005-2009 yılları arasında OMÜ Müh Fak Bilgisayar Mühendisliği Bölümünde Araştırma Görevlisi olarak çalıştım. 2009 yılında tekrar KTÜ Bilgisayar Mühendisliği Bölümüne Öğr. Gör. kadrosunda atandım. 2012 yılında aynı bölümde doktora programını tamamladıktan sonra Yrd. Doç. Dr. olarak görev yapmaya başladım.

2006 ve 2013 yıllarında doğmuş olan Ayşe ve Aylin adında iki kızım var :)

Education

Doctorate 2007 - 2012	Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey
Postgraduate 2002 - 2004	Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey
Undergraduate 1998 - 2002	Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey

Foreign Languages

English, C1 Advanced

Academic Positions

Professor
2024 - Continues

Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği

Associate Professor
2018 - Continues

Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği

Assistant Professor
2012 - 2018

Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği
Bölümü

Lecturer
2009 - 2012

Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği
Bölümü

Research Assistant
2005 - 2009

Ondokuz Mayıs University, Faculty Of Engineering, Bilgisayar Müendisliği Bölümü

Research Assistant
2002 - 2004

Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği
Bölümü

Funded Projects

- Üstübioğlu B., Ulutaş G., TUBITAK Project, Derin Öğrenme Destekli Hibrit Kurumsal Belge Doğrulama Sisteminin Geliştirilmesi ve Bu Alana Yönelik Nitelikli Araştırmacıların Yetişirilmesi, 2024 - 2032
- Coşar A. M., Üstübioğlu A., Tahaoğlu G., Üstübioğlu B., Kılıç E., Ulutaş G., TUBITAK Project, Sayısal Seslerdeki Sahteciliğin Tespiti ve Sahte Ses Kesitlerinin Lokalizasyonu, 2022 - 2024
- Tahaoğlu G., Ulutaş G., Üstübioğlu B., TUBITAK Project, Detection of Forgery in Digital Audios and Localization of Fraudulent Sounds, 2022 - 2024
- Tahaoğlu G., Ulutaş G., TUBITAK Project, Digital image copy move forgery detection independent from attack types, 2019 - 2021
- ULUTAŞ G., TUBITAK Project, Pasif Video Doğrulama Sistemi, 2015 - 2017

Awards

- ULUTAŞ G., Alper Atalay İkincilik Ödülü, SIU 2012, May 2012

Journal articles indexed in SCI, SSCI, and AHCI

- A Novel Audio Copy Move Forgery Detection Method With Classification of Graph-Based Representations**
ÜSTÜBİOĞLU B., TAHAOĞLU G., Ustubioglu A., ULUTAŞ G., KILIÇ M.
IEEE ACCESS, vol.13, pp.22029-22054, 2025 (SCI-Expanded)
- Low dimensional secure federated learning framework against poisoning attacks**
Erdol E. S., ÜSTÜBİOĞLU B., Erdol H., ULUTAŞ G.
FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF ESCIENCE, vol.158, pp.183-199, 2024 (SCI-Expanded)

3. **Biometric watermarking schemes based on QR decomposition and Schur decomposition in the RIDWT domain**
YÜCEL ALTAY Ş., ULUTAŞ G.
Signal, Image and Video Processing, vol.18, no.3, pp.2783-2798, 2024 (SCI-Expanded)
4. **Multi Pattern Features-Based Spoofing Detection Mechanism Using One Class Learning**
Üstübioğlu B., Tahaoglu G., Üstübioğlu A., Ulutaş G., Amerini İ., Kılıç M.
IEEE ACCESS, vol.12, pp.117523-117540, 2024 (SCI-Expanded)
5. **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)
6. **Robust Copy-Move Forgery Detection Technique Against Image Degradation and Geometric Distortion Attacks**
Tahaoglu G., Üstübioğlu B., Ulutaş G., Ulutaş M., Nabihev V.
WIRELESS PERSONAL COMMUNICATIONS, vol.131, no.4, pp.2919-2947, 2023 (SCI-Expanded)
7. **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)
8. **Color Image Splicing Localization Based on Block Classification Using Transition Probability Matrix**
ODABAŞ YILDIRIM E., TAHAOĞLU G., ULUTAŞ G., ÜSTÜBİOĞLU B., NABIYEV V.
WIRELESS PERSONAL COMMUNICATIONS, vol.129, no.3, pp.1893-1919, 2023 (SCI-Expanded)
9. **Detection of audio copy-move-forgery with novel feature matching on Mel spectrogram**
ÜSTÜBİOĞLU B., TAHAOĞLU G., ULUTAŞ G.
EXPERT SYSTEMS WITH APPLICATIONS, vol.213, 2023 (SCI-Expanded)
10. **Detection and localization of frame duplication using binary image template**
Bozkurt I., Ulutaş G.
MULTIMEDIA TOOLS AND APPLICATIONS, vol.1, no.1, pp.1-11, 2023 (SCI-Expanded)
11. **Robust copy-move detection in digital audio forensics based on pitch and modified discrete cosine transform**
ÜSTÜBİOĞLU B., Kucukugurlu B., ULUTAŞ G.
MULTIMEDIA TOOLS AND APPLICATIONS, vol.81, no.19, pp.27149-27185, 2022 (SCI-Expanded)
12. **Ciratefi based copy move forgery detection on digital images**
TAHAOĞLU G., ULUTAŞ G., ÜSTÜBİOĞLU B., ULUTAŞ M., NABIYEV V.
MULTIMEDIA TOOLS AND APPLICATIONS, vol.81, no.16, pp.22867-22902, 2022 (SCI-Expanded)
13. **Improved copy move forgery detection method via L*a*b* color space and enhanced localization technique**
TAHAOĞLU G., ULUTAŞ G., ÜSTÜBİOĞLU B., NABIYEV V.
MULTIMEDIA TOOLS AND APPLICATIONS, vol.80, no.15, pp.23419-23456, 2021 (SCI-Expanded)
14. **Self-adaptive step firefly algorithm based robust watermarking method in DWT-SVD domain**
Altay S. Y., ULUTAŞ G.
MULTIMEDIA TOOLS AND APPLICATIONS, vol.80, no.15, pp.23457-23484, 2021 (SCI-Expanded)
15. **Underwater image enhancement using contrast limited adaptive histogram equalization and layered difference representation**
ULUTAŞ G., ÜSTÜBİOĞLU B.
MULTIMEDIA TOOLS AND APPLICATIONS, vol.80, no.10, pp.15067-15091, 2021 (SCI-Expanded)
16. **Source-destination discrimination on copy-move forgeries**
Gurbuz E., ULUTAŞ G., ULUTAŞ M.
MULTIMEDIA TOOLS AND APPLICATIONS, vol.80, pp.12831-12842, 2021 (SCI-Expanded)
17. **Augmented features to detect image splicing on SWT domain**
Yildirim E. O., ULUTAŞ G.
EXPERT SYSTEMS WITH APPLICATIONS, vol.131, pp.81-93, 2019 (SCI-Expanded)

18. **Detection of Free-Form Copy-Move Forgery on Digital Images**
Gurbuz E., ULUTAŞ G., ULUTAŞ M.
SECURITY AND COMMUNICATION NETWORKS, vol.2019, 2019 (SCI-Expanded)
19. **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)
20. **Detection of copy move forgery based on color SURF**
Tahaoğlu G., Ulutaş G.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, pp.1540-1548, 2019 (SCI-Expanded)
21. **Frame duplication detection based on BoW model**
ULUTAŞ G., ÜSTÜBİOĞLU B., ULUTAŞ M., NABIYEV V.
MULTIMEDIA SYSTEMS, vol.24, no.5, pp.549-567, 2018 (SCI-Expanded)
22. **Security for the internet of things: a survey of existing mechanisms, protocols and open research issues**
GÖRMÜŞ S., AYDIN H., ULUTAŞ G.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.33, no.4, pp.1247-1272, 2018 (SCI-Expanded)
23. **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)
24. **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)
25. **Shredded banknotes reconstruction using AKAZE points**
Nabiyev V., Yılmaz S., Günay Yılmaz A., Tahaoğlu G., Ulutaş G.
FORENSIC SCIENCE INTERNATIONAL, vol.278, pp.280-295, 2017 (SCI-Expanded)
26. **G-SURF ve AKAZE tabanlı yeni bir kopyala-yapıtır sahteciliği tespit yöntemi**
ULUTAŞ G.
Dicle Üniversitesi Mühendislik Fakültesi, vol.8, no.4, pp.781-795, 2017 (SCI-Expanded)
27. **Frame duplication/mirroring detection method with binary features**
ULUTAŞ G., ÜSTÜBİOĞLU B., ULUTAŞ M., NABIYEV V.
IET IMAGE PROCESSING, vol.11, no.5, pp.333-342, 2017 (SCI-Expanded)
28. **A New Reversible Database Watermarking Approach with Firefly Optimization Algorithm**
IMAMOGLU M. B., ULUTAŞ M., ULUTAŞ G.
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2017, 2017 (SCI-Expanded)
29. **A new video forgery detection approach based on forgery line**
BOZKURT I., BOZKURT M. H., ULUTAŞ G.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.6, pp.4558-4574, 2017 (SCI-Expanded)
30. **A New Copy Move Forgery Detection Method Resistant to Object Removal with Uniform Background Forgery**
Ulutaş G., Tahaoğlu G.
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2016, 2016 (SCI-Expanded)
31. **Improved copy-move forgery detection based on the CLDs and colour moments**
ÜSTÜBİOĞLU B., ULUTAŞ G., ULUTAŞ M., NABIYEV V.
IMAGING SCIENCE JOURNAL, vol.64, no.4, pp.215-225, 2016 (SCI-Expanded)
32. **A new copy move forgery detection technique with automatic threshold determination**
ÜSTÜBİOĞLU B., ULUTAŞ G., ULUTAŞ M., NABIYEV V.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.70, no.8, pp.1076-1087, 2016 (SCI-Expanded)

33. **Secret image sharing scheme with adaptive authentication strength**
ULUTAŞ G., ULUTAŞ M., NABIYEV V.
PATTERN RECOGNITION LETTERS, vol.34, no.3, pp.283-291, 2013 (SCI-Expanded)
34. **Invertible secret image sharing for gray level and dithered cover images**
ULUTAŞ M., ULUTAŞ G., NABIYEV V.
JOURNAL OF SYSTEMS AND SOFTWARE, vol.86, no.2, pp.485-500, 2013 (SCI-Expanded)
35. **Secret image sharing with enhanced visual quality and authentication mechanism**
ULUTAŞ M., ULUTAŞ G., NABIYEV V.
IMAGING SCIENCE JOURNAL, vol.59, no.3, pp.154-165, 2011 (SCI-Expanded)
36. **Medical image security and EPR hiding using Shamir's secret sharing scheme**
ULUTAŞ M., ULUTAŞ G., NABIYEV V.
JOURNAL OF SYSTEMS AND SOFTWARE, vol.84, no.3, pp.341-353, 2011 (SCI-Expanded)
37. **Improvements in Geometry-Based Secret Image Sharing Approach with Steganography**
ULUTAŞ M., NABIYEV V., ULUTAŞ G.
MATHEMATICAL PROBLEMS IN ENGINEERING, 2009 (SCI-Expanded)

Articles Published in Other Journals

1. **A Review of Deepfake Audio Manipulation Detection Systems**
Tahaoğlu G., Kılıç M., Üstübioğlu B., Ulutaş G.
Yüzüncü Yıl Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.29, no.1, pp.353-402, 2024 (Peer-Reviewed Journal)
2. **Copy-Move forgery detection and localization with hybrid neural network approach**
TAHAOĞLU G., ULUTAŞ G.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BİLİMLERİ DERGİSİ, vol.28, no.5, pp.748-760, 2022 (ESCI)
3. **Duplicated frame forgery detection in videos based on edge detection**
Bozkurt I., Ulutaş G.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BİLİMLERİ DERGİSİ, vol.28, no.5, pp.761-768, 2022 (ESCI)
4. **Copy-move forgery detection and localization with hybrid neural network approach**
Tahaoğlu G., Ulutaş G.
Pamukkale University Journal of Engineering Sciences, vol.1, no.1, pp.1-10, 2022 (ESCI)
5. **Iris-Based Biometric Watermarking Approach for Copyright Protection of Digital Images**
Yücel Altay Ş., Ulutaş G.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.23, no.68, pp.531-546, 2021 (Peer-Reviewed Journal)
6. **Video forgery detection method based on local difference binary(Accepted/Kabul Tarihi: 23.01.2020)**
ULUTAŞ G., ÜSTÜBİOĞLU B., ULUTAŞ M., NABIYEV V.
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.26, pp.983-992, 2020 (ESCI)
7. **ST Değişiminin Wigner-Ville Dağılım Esaslı Erken Tespiti**
KAYIKÇIOĞLU İ., ULUTAŞ G., AKDENİZ F., KAYIKÇIOĞLU T.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, no.2, pp.746-753, 2018 (Peer-Reviewed Journal)
8. **A fragile zero watermarking schema to check integrity of relational databases based on discrete cosines transform**
ŞAHİN Y., ULUTAŞ G., İMAMOĞLU M. B.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BİLİMLERİ DERGİSİ, vol.24, no.5, pp.887-897, 2018 (ESCI)
9. **Blur Invariant Image Forgery Detection Method Using Local Phase Quantization**

- ÜSTÜBİOĞLU B., BAYKAL E., MUZAFFER G., ULUTAŞ G.
 Journal of Energy and Power Engineering, vol.10, no.6, pp.358-363, 2016 (Peer-Reviewed Journal)
10. **Blur Invariant Image Forgery Detection Method Using Local Phase Quantization**
 Üstübioğlu B., Baykal E., Tahaoğlu G., Ulutaş G.
 Journal of Energy and Power Engineering, vol.10, no.6, pp.358-363, 2016 (Peer-Reviewed Journal)
11. **Blur Invariant Image Forgery Detection Method Using Local Phase Quantization**
 ÜSTÜBİOĞLU B., BAYKAL E., MUZAFFER G., ULUTAŞ G.
 Journal of Energy and Power Engineering, vol.10, no.6, pp.358-363, 2016 (Peer-Reviewed Journal)
12. **Secret image sharing with reversible capabilities**
 ULUTAŞ G., ULUTAŞ M., NABIYEV V.
 International Journal of Internet Technology and Secured Transactions, vol.4, no.1, pp.1-11, 2012 (Scopus)
13. **(3, 3) Secret image sharing scheme based on Morley's Theorem**
 ULUTAŞ G., ULUTAŞ M., NABIYEV V.
 Global Journal on Technology (Awer Procedia), 2012 (Peer-Reviewed Journal)
14. **Morley'in Teoremine Dayalı Gizli Görüntü Paylaşım Şeması**
 NABIYEV V., ULUTAŞ M., ULUTAŞ G.
 TBV Bilgisayar Bilimleri ve Mühendisliği Dergisi, vol.5, pp.1-10, 2012 (Peer-Reviewed Journal)
15. **Distortion free geometry based secret image sharing**
 ULUTAŞ G., ULUTAŞ M., NABIYEV V. V.
 Procedia Computer Science, vol.3, no.11, pp.721-726, 2011 (Peer-Reviewed Journal)

Papers Presented at Peer-Reviewed Scientific Conferences

1. **Impactful Neuron-based Secure Federated Learning Etkili Nöron Tabanlı Güvenli Federe Öğrenme**
 Erdöl E. S., Erdöl H., ÜSTÜBİOĞLU B., Solak F. Z., ULUTAŞ G.
 32nd IEEE Conference on Signal Processing and Communications Applications, SIU 2024, Mersin, Turkey, 15 - 18 May 2024, (Full Text)
2. **Federated Learning Resistant to Byzantine Attacks with Quantil-Based Statistical Propagation**
 Yüzdelik Dilimler Etrafındaki İstatistiksel Yayılım ile Bizans Saldırılarına Dayanıklı Federe Öğrenme
 Solak F. Z., ÜSTÜBİOĞLU B., Erdöl E. S., ULUTAŞ G., Mühendisliği Y., Mühendisliği B.
 32nd IEEE Conference on Signal Processing and Communications Applications, SIU 2024, Mersin, Turkey, 15 - 18 May 2024, (Full Text)
3. **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, (Full Text)
4. **Deepfake audio detection with vision transformer based method**
 Ulutaş G., Tahaoğlu G., Üstübioğlu B.
 46th International Conference on Telecommunications and Signal Processing, Brno, Czech Republic, 12 - 14 July 2023, pp.1-5, (Full Text)
5. **Deepfake audio detection with vision transformer based method**
 ULUTAŞ G., TAHAOĞLU G., ÜSTÜBİOĞLU B.
 46th International Conference on Telecommunications and Signal Processing, 12 July 2023, (Full Text)
6. **Deep Fake Video Detection Based on Enhanced Capsule Network with Golden Ratio**
 DİNÇER S., ÜSTÜBİOĞLU B., TAHAOĞLU G., ULUTAŞ G.
 31st IEEE Conference on Signal Processing and Communications Applications (SIU), İstanbul, Turkey, 5 - 08 July 2023, (Full Text)
7. **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, (Full Text)
8. **Duplication detection in videos using dot algorithm**
BOZKURT I., ULUTAŞ G.
International Conference on Engineering Technologies, Turkey, 17 November 2022, (Full Text)
9. **Duplication forgery detection based on weber algorithm**
BOZKURT I., ULUTAŞ G.
International Conference on Engineering Technologies, Turkey, 17 November 2022, (Full Text)
10. **Block-Based Forgery Detection with Binary Gradient Pattern**
Yazıcı S., Üstübioğlu B., Kılıç M., Ulutaş G.
15. Uluslararası Bilgi Güvenliği ve Kriptoloji Konferansı, Ankara, Turkey, 19 - 20 October 2022, vol.1, pp.1-5, (Full Text)
11. **Forge Audio Detection Using Keypoint Features on Mel Spectrograms**
ULUTAŞ G., TAHAOĞLU G., ÜSTÜBİOĞLU B.
45th International Conference on Telecommunications and Signal Processing, TSP 2022, Virtual, Online, Czech Republic, 13 - 15 July 2022, pp.413-416, (Full Text)
12. **Localization of Forgery on Audio Clips Using GLCM Features and Mel Spectograms**
ULUTAŞ G., Ustubioglu A., ÜSTÜBİOĞLU B., TAHAOĞLU G.
45th International Conference on Telecommunications and Signal Processing, TSP 2022, Virtual, Online, Czech Republic, 13 - 15 July 2022, pp.314-317, (Full Text)
13. **A new approach for localization of copy-move forgery in digital images**
Tahaoğlu G., Ulutaş G., Üstübioğlu B.
44th Telecommunication and Signal Processing, Brno, Czech Republic, 26 - 28 July 2021, pp.183-186, (Full Text)
14. **Ataklara Karşı Dayanıklı Yeni Bir Kopyala Yapıtır Sahteciliği Tespiti Yöntemi**
Tahaoğlu G., Ulutaş G., Üstübioğlu B.
Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU2020), Gaziantep, Turkey, 5 - 07 October 2020, pp.1-3, (Full Text)
15. **DWT-QR based blind image watermarking method using firefly algorithm Ates bocegi algoritması kullanarak ADD-QR tabanlı kor goruntu damgalama yontemi**
YÜCEL ALTAY Ş., Ulutas G.
28th Signal Processing and Communications Applications Conference, SIU 2020, Gaziantep, Turkey, 5 - 07 October 2020, (Full Text)
16. **The Localization of Deleted Frames in the Forged Videos Sahte Videolarda Silinen Cerceve Konumu Tespiti**
Bozkurt I., Ulutaş G.
28th Signal Processing and Communications Applications Conference, SIU 2020, Gaziantep, Turkey, 5 - 07 October 2020, (Full Text)
17. **Ataklara karşı dayanıklı yeni bir kopyala yapıtır sahteciliği tespiti**
MUZAFFER G., ULUTAŞ G., ÜSTÜBİOĞLU B.
IEEE Sinyal İşleme ve İletişim Uygulamaları (SIU) Kurultayı, 05 October 2020, (Full Text)
18. **Duplicated Audio Segment Detection with Local Binary Pattern**
KÜÇÜKUĞURLU B., ÜSTÜBİOĞLU B., ULUTAŞ G.
2020 43rd International Conference on Telecommunications and Signal Processing (TSP), Milan, Italy, 07 July 2020, pp.350-353, (Full Text)
19. **Copy Move Forgery Detection with Quadtree Decomposition Segmentation**
Tahaoğlu G., Ulutaş G., Üstübioğlu B.
43rd International Conference on Telecommunications and Signal Processing (TSP –2020), Milan, Italy, 7 - 09 July 2020, pp.1-5, (Full Text)
20. **A New Robust Copy Move Forgery Detection Method**
TAHAOĞLU G., ULUTAŞ G., ÜSTÜBİOĞLU B.
28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 October 2020, (Full Text)

21. **A new deep learning-based method to detection of copy-move forgery in digital images**
Tahaoğlu G., Ulutaş G.
International Scientific Meeting on Electrical-Electronics and Biomedical Engineering and Computer Science (EBBT), İstanbul, Turkey, 24 - 26 April 2019, (Full Text)
22. **Kopyala Yapıştır Sahteciliği Tespitinde LIOP ve Yama Eşleşmesi Tabanlı Bir Yaklaşım**
MUZAFFER G., Erdöl S., ULUTAŞ G.
SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4, (Full Text)
23. **DWT Domen Genişletilmiş Markov Özellikleri ile Görüntü Birleştirme Sahteciliği Tespiti**
Yıldırım E., ULUTAŞ G.
SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4, (Full Text)
24. **Tıbbi Görüntülerin TADD-HWHD ile Damgalanması**
ÜSTÜBİOĞLU A., ULUTAŞ G., Üstübioğlu B.
SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4, (Full Text)
25. **SIFT ve SURF Tabanlı Sayısal Görüntü Sahteciliği Tespiti Yöntemi**
Aydın Y., MUZAFFER G., ULUTAŞ G.
SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4, (Full Text)
26. **Markov-Based Image Splicing Detection in the DCT High Frequency Region**
ODABAŞ YILDIRIM E., ULUTAŞ G.
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Academic and Administrative Experience

2012 - 2015	Deputy Head of Department	Karadeniz Technical University, Bilgisayar Mühendisliği Bölümü
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Supervised Theses

- Ulutaş G., Videolarda çerçeveler arası sahteciliklerin tespiti, Doctorate, I.BOZKURT(Student), 2023
- Ulutaş G., İris biyometrisini kullanan dayanıklı damgalama yöntemi, Doctorate, Ş.YÜCEL(Student), 2021
- Ulutaş G., Sayısal görüntülerde kopyala-yapıştır sahteciliği tespiti, Doctorate, G.TAHAOĞLU(Student), 2021
- Ulutaş G., Anahtar noktası ve yama eşleşme yöntemleri ile doku bazlı görüntü sahteciliği tespiti, Postgraduate, E.SENA(Student), 2019
- Ulutaş G., İstatistiksel ve dokusal özellikleri kullanan hibrıt görüntü birleştirme sahteciliği tespit yöntemi, Doctorate, E.ODABAŞ(Student), 2019
- ULUTAŞ G., TİBBİ GÖRÜNTÜLERDE KIRILGAN DAMGALAMAYA DAYALI DEĞİŞİKLİK YER TESPİTİ, Doctorate, A.Üstübioğlu(Student), 2018
- ULUTAŞ G., Kalp krizinin erken teşhisi için EKG'deki ST segmenti değişimlerinin zaman-frekans dönüşümleriyle tespiti, Postgraduate, İ.Kayıkçıoğlu(Student), 2017
- ULUTAŞ G., Videolarda çerçeve kopyala yapıştır sahteciliği tespiti, Postgraduate, I.Bozkurt(Student), 2017
- ULUTAŞ G., Anahtar noktası tabanlı kopyala yapıştır sahteciliği tespiti, Postgraduate, G.Muzaffer(Student), 2016
- ULUTAŞ G., İlişkisel veritabanlarının bütünlüğünün sağlanması için yeni bir sıfır damgalama şeması, Postgraduate, Y.Şahin(Student), 2016

Memberships and Roles in Scientific Organizations

- Tübitak EEEAG Danışma Kurulu Üyelik, Member of Advisory Board, 2021 - Continues, Turkey
BMO, Member, 2009 - Continues

IEEE, Member, 2002 - Continues

Peer Reviews in Scientific Publications

TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, December 2018

Expert Systems with Applications, SCI Journal, January 2018

Journal of Information Security and Applications, Other Indexed Journal, December 2014

Journal of Visual Communication and Image Representation, SCI Journal, December 2012

Computer Standards and Interfaces, SCI Journal, January 2011

Journal of systems and software, SCI Journal, January 2010

Metrics

Publication: 182

Citation (WoS): 583

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H-Index (WoS): 14

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Research Areas

Computer Sciences, Information Security and Reliability, Hiding Information, Cryptography, Engineering and Technology