

GÜZİN ULUTAŞ

PROF.

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International Researcher IDs

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Yoksis Researcher ID: 200406



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 sınavı ile yerleştirdim. Hazırlık programını atlamış olmam sebebi ile 2002 yılında Lisans Eğitimimi, 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 yıllarımda doğmuş olan Ayşe ve Aylin adında iki kızım var :)

Learning Knowledge

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 Titles / Tasks

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 Mühendisliği Bölümü

Research Assistant
2002 - 2004

Karadeniz Technical University, Mühendislik Fakültesi, Bilgisayar Mühendisliği
Bölümü

Supported Projects

1. Tahaoğlu G., Ulutaş G., Üstübioğlu B., TUBITAK Project, Detection of Forgery in Digital Audios and Localization of Fraudulent Sounds, 2022 - 2024
2. Tahaoğlu G., Ulutaş G., TUBITAK Project, Digital image copy move forgery detection independent from attack types, 2019 - 2021
3. ULUTAŞ G., TUBITAK Project, Pasif Video Doğrulama Sistemi, 2015 - 2017

Awards

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

Published journal articles indexed by SCI, SSCI, and AHCI

1. **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)
2. **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)
3. **Robust Copy-Move Forgery Detection Technique Against Image Degradation and Geometric Distortion Attacks**
Tahaoğlu G., Üstübioğlu B., Ulutaş G., Ulutaş M., Nabyev V.
WIRELESS PERSONAL COMMUNICATIONS, vol.131, no.4, pp.2919-2947, 2023 (SCI-Expanded)

4. **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)
5. **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)
6. **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)
7. **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)
8. **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)
9. **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)
10. **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)
11. **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)
12. **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)
13. **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)
14. **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)
15. **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)
16. **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)
17. **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)
18. **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)
19. **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)

20. **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)
21. **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)
22. **G-SURF ve AKAZE tabanlı yeni bir kopyala-yapıştır sahteciliği tespit yöntemi**
ULUTAŞ G.
Dicle Âeniversitesi MÃ¼hendislik FakÃ¼ltesi, vol.8, no.4, pp.781-795, 2017 (SCI-Expanded)
23. **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)
24. **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)
25. **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)
26. **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)
27. **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)
28. **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)
29. **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)
30. **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)
31. **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)
32. **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)
33. **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)
34. **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. **Duplicated frame forgery detection in videos based on edge detection**
Bozkurt I., Ulutaş G.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.28, no.5, pp.761-768, 2022 (ESCI)
2. **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)
3. **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)
4. **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)
5. **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)
6. **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 BILIMLERI DERGISI, vol.24, no.5, pp.887-897, 2018 (ESCI)
7. **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)
8. **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)
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. **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)
11. **(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)
12. **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)
13. **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)

Refereed Congress / Symposium Publications in Proceedings

1. **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
2. **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
3. **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
4. **Duplication detection in videos using dot algorithm**
BOZKURT I., ULUTAŞ G.
International Conference on Engineering Technologies, Turkey, 17 November 2022
5. **Duplication forgery detection based on weber algorithm**
BOZKURT I., ULUTAŞ G.
International Conference on Engineering Technologies, Turkey, 17 November 2022
6. **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
7. **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
8. **Localization of Forgery on Audio Clips Using GLCM Features and Mel Spectrograms**
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
9. **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
10. **Ataklara Karşı Dayanıklı Yeni Bir Kopyala Yapıştır 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
11. **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
12. **DWT-QR based blind image watermarking method using firefly algorithm Ates bocegi algoritmasi kullanarak ADD-QR tabanlı kor görüntü damgalama yöntemi**
YÜCEL ALTAY Ş., Ulutaş G.
28th Signal Processing and Communications Applications Conference, SIU 2020, Gaziantep, Turkey, 5 - 07 October 2020
13. **Duplicated Audio Segment Detection with Local Binary Pattern**
KÜÇÜKÜĞURLU B., ÜSTÜBİOĞLU B., ULUTAŞ G.
2020 43rd International Conference on Telecommunications and Signal Processing (TSP), Milan, Italy, 07 July 2020, pp.350-353
14. **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

15. **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
16. **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
17. **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
18. **DWT Dömen Genişletilmiş Markov Özellikleri ile Görüntü Birleştirme Sahteciliği Tespiti**
Yıldırım E., ULUTAŞ G.
SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4
19. **Tıbbi Görüntülerin TADD-HWHD ile Damgalanması**
ÜSTÜBİÖĞLU A., ULUTAŞ G., Üstübioğlu B.
SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4
20. **Using correlation matrix to detect frame duplication forgery in videos**
ÜSTÜBİÖĞLU B., ULUTAŞ G., NABIYEV V., ULUTAŞ M., ÜSTÜBİÖĞLU A.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
21. **Markov-Based Image Splicing Detection in the DCT High Frequency Region**
ODABAŞ YILDIRIM E., ULUTAŞ G.
International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018
22. **Recent keypoint based copy move forgery detection techniques**
Tahaoğlu G., Karaağaçlı E. S., Ulutaş G.
2017 International Artificial Intelligence and Data Processing Symposium, IDAP 2017, Malatya, Turkey, 16 - 17 September 2017
23. **Detection of Copy-Move Forgery Using Local Intensity Order Pattern**
aymaz ş., ULUTAŞ G.
IATS 2017, Elazığ, Turkey, 19 - 22 October 2017, pp.1-4
24. **A Fast Digital Image Copy Move Forgery Detection with Binarized SIFT**
Tahaoğlu G., Ulutaş G.
40th International Conference on Telecommunications and Signal Processing (TSP – IEEE), Barcelona, Spain, 5 - 07 July 2017, pp.595-598
25. **Korelasyona Dayalı Hızlı Bir Çerçeve Tekrarlama Sahteciliği Tespit Yöntemi (A Fast Detection Method for Frame Duplication Forgery based on Correlation)**
ÜSTÜBİÖĞLU B., ULUTAŞ G., NABIYEV V., ULUTAŞ M., ÜSTÜBİÖĞLU A.
2017 IEEE 25. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Turkey, 15 - 18 May 2017
26. **A Fast and Effective Digital Image Copy Move Forgery Detection with Binarized SIFT**
MUZAFFER G., ULUTAŞ G.
40th International Conference on Telecommunications and Signal Processing (TSP), Barcelona, Spain, 5 - 07 July 2017, pp.595-598
27. **PSO and SURF based Digital Image Forgery Detection**
Tahaoğlu G., Ulutaş G., Gedikli E.
2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 October 2017, pp.688-692
28. **Recent Keypoint Based Copy Move Forgery Detection Techniques**
MUZAFFER G., Karaagacli E. S., ULUTAŞ G.
2017 International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 16 - 17

September 2017

29. **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
30. **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
31. **Time-Frequency Analysis Based Detection of ECG ST Segment Change Using Large Feature Set**
KAYIKÇIOĞLU I., ULUTAŞ G., KAYIKÇIOĞLU T.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
32. **Early Detection of ST Arrhythmia Based on Wigner Ville Distrubition**
KAYIKÇIOĞLU İ., ULUTAŞ G., AKDENİZ F., KAYIKÇIOĞLU T.
BIYOMUT 2016, İzmir, Turkey, 3 - 05 November 2016, pp.176-180
33. **Numeric Transform Based Digital Watermarking Technique for Relational Databases**
IMAMOĞLU M. B., ULUTAŞ G., ULUTAŞ M.
ISCTURKEY 2016, Ankara, Turkey, 2 - 04 November 2016, pp.1-4
34. **Tıbbi görüntülerde bütünlük kontrolü ve dayanıklılık sağlayan yeni bir damgalama algoritması**
ÜSTÜBİOĞLU A., ULUTAŞ G.
Uluslararası Bilgi Güvenliği ve Kriptoloji Konferansı 2016, Ankara, Turkey, 25 - 26 October 2016, pp.98-102
35. **Renk düzeni tanımlayıcı tabanlı video sahteciliklerinin tespiti**
BOZKURT I., ULUTAŞ G.
Uluslararası Bilgi Güvenliği ve Kriptoloji Konferansı 2016, Ankara, Turkey, 25 - 26 October 2016, pp.148-152
36. **MSER and SURF Based Digital Copy Move Forgery Detection**
Tahaoğlu G., Ulutaş G.
Uluslararası Bilgi Güvenliği ve Kriptoloji Konferansı 2016, Ankara, Turkey, 25 - 26 October 2016
37. **AKD İle Videolarda Çerçeve Tekrarlama Sahteciliği Tespiti**
ÜSTÜBİOĞLU B., ULUTAŞ G., ULUTAŞ M., NABIYEV V.
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Academic and Administrative Experience

2012 - 2015	Deputy Head of Department	Karadeniz Technical University, Bilgisayar Mühendisliği Bölümü
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Advising 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 hibrit görüntü birleştirme sahteciliği tespit yöntemi, Doctorate, E.ODABAŞ(Student), 2019
ULUTAŞ G., TIBBİ 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 / Tasks in Scientific Organizations

Tübitak EEEAG Danışma Kurulu Üyelik, Member of Advisory Board, 2021 - Continues, Turkey
BMO, Member, 2009 - Continues
IEEE, Member, 2002 - Continues

Scientific Refereeing

TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, December 2018
Expert Systems with Applications, SCI Journal, January 2018
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Research Areas

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