

## Prof. Dr. SARP ERTÜRK

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, University of Essex, Elektronik Sistem Müh., Birleşik Krallık 1996 - 1999

Yüksek Lisans, University of Essex, Elektronik Sistem Müh., Birleşik Krallık 1995 - 1996

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik Ve Elektronik Mühendisliği Bölümü, Türkiye 1991 - 1995

### Yabancı Diller

Almanca, C1 İleri

İngilizce, C1 İleri

### Akademik Unvanlar / Görevler

Prof. Dr., Kocaeli Üniversitesi, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2008 - Devam Ediyor

Doç. Dr., Kocaeli Üniversitesi, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2002 - 2008

Yrd. Doç. Dr., Kocaeli Üniversitesi, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2001 - 2002

### Yönetilen Tezler

ERTÜRK S., Hiperspektral görüntülerin eğitimcişiz bölütlenmesi, Doktora, G.BİLGİN(Öğrenci), 2009

ERTÜRK S., Kod bölüşümlü çoklu erişim sistemlerinde düzensiz frekans ve dik kod atlaması, Yüksek Lisans, Y.AKIN(Öğrenci), 2004

ERTÜRK S., Uzay zaman frekans kodlamalı dik frekans bölüşümlü çoğullama sistemi, Yüksek Lisans, L.AKSOY(Öğrenci), 2004

ERTÜRK S., CDMA sistemleri için bulanık mantığa dayalı RLS uyarlamalı alıcı yapısı, Yüksek Lisans, İ.ŞİMŞEK(Öğrenci), 2004

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. A Secure and Privacy Friendly ECC Based RFID Authentication Protocol for Practical Applications  
Arslan A., Colak S., ERTÜRK S.

WIRELESS PERSONAL COMMUNICATIONS, cilt.120, sa.4, ss.2653-2691, 2021 (SCI-Expanded)

- II. **Full depth CNN classifier for handwritten and license plate characters recognition**  
Salemdeeb M., ERTÜRK S.  
PEERJ COMPUTER SCIENCE, cilt.7, ss.1-22, 2021 (SCI-Expanded)
- III. **Using Programmable Josephson Voltage Standard for Static and Dynamic Gain Characterization of Integrating ADC**  
COŞKUN ÖZTÜRK T., ERTÜRK S., TANGEL A., MEHEDİN A.  
IEEE Transactions On Instrumentation And Measurement, cilt.69, sa.7, ss.4425-4435, 2020 (SCI-Expanded)
- IV. **Seizure Prediction in Scalp EEG Using 3D Convolutional Neural Networks With an Image-Based Approach**  
Ozcan A. R., ERTÜRK S.  
IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABILITATION ENGINEERING, cilt.27, sa.11, ss.2284-2293, 2019 (SCI-Expanded)
- V. **Are RNGs Achilles' Heel of RFID Security and Privacy Protocols?**  
ARSLAN A., KARDAŞ S., ALDIRMAZ ÇOLAK S., ERTÜRK S.  
Wireless Personal Communications, ss.1-21, 2018 (SCI-Expanded)
- VI. **Clustering Through Hybrid Network Architecture With Support Vectors**  
Ergul E., Arica N., Ahuja N., ERTÜRK S.  
IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, cilt.28, sa.6, ss.1373-1385, 2017 (SCI-Expanded)
- VII. **AUTOMATED CO-REGISTRATION OF SATELLITE IMAGES THROUGH LUMINANCE TRANSFORMATION**  
Gercek D., Çeşmeci D., Güllü M. K., Ertürk A., Ertürk S.  
PHOTOGRAMMETRIC RECORD, cilt.31, ss.407-427, 2016 (SCI-Expanded)
- VIII. **Ground-Based Panoramic Stereo Hyperspectral Imaging System With Multiband Stereo Matching**  
KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.  
IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING, cilt.9, sa.9, ss.3926-3940, 2016 (SCI-Expanded)
- IX. **Spatial Resolution Enhancement of Hyperspectral Images Using Unmixing and Binary Particle Swarm Optimization**  
ERTÜRK A., GÜLLÜ M. K., ÇEŞMECİ D., Gercek D., ERTÜRK S.  
IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, cilt.11, sa.12, ss.2100-2104, 2014 (SCI-Expanded)
- X. **A High-Dynamic-Range-Based Approach for the Display of Hyperspectral Images**  
ERTÜRK S., Suer S., Koc H.  
IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, cilt.11, sa.11, ss.2001-2004, 2014 (SCI-Expanded)
- XI. **Endmember Extraction Guided by Anomalies and Homogeneous Regions for Hyperspectral Images**  
ERTÜRK A., ÇEŞMECİ D., GÜLLÜ M. K., Gercek D., ERTÜRK S.  
IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING, cilt.7, sa.8, ss.3630-3639, 2014 (SCI-Expanded)
- XII. **Region of Interest Extraction in Infrared Images Using One-Bit Transform**  
Erturk S.  
IEEE SIGNAL PROCESSING LETTERS, cilt.20, sa.10, ss.952-955, 2013 (SCI-Expanded)
- XIII. **Hyperspectral image classification using empirical mode decomposition with spectral gradient enhancement**  
ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.  
IEEE Transactions on Geoscience and Remote Sensing, cilt.51, sa.5, ss.2787-2798, 2013 (SCI-Expanded)
- XIV. **Visual enhancement of underwater images using Empirical Mode Decomposition**  
Celebi A., ERTÜRK S.  
EXPERT SYSTEMS WITH APPLICATIONS, cilt.39, sa.1, ss.800-805, 2012 (SCI-Expanded)
- XV. **The effect of memantine in harmaline-induced tremor and neurodegeneration**  
İşeri P., Karson A., Gullu K. M., Akman O., Köktürk S., Yardımcıoğlu M., Ertürk S., Ateş N.  
NEUROPHARMACOLOGY, cilt.61, ss.715-723, 2011 (SCI-Expanded)

- XVI. **Segmentation of Hyperspectral Images via Subtractive Clustering and Cluster Validation Using One-Class Support Vector Machines**  
BİLGİN G., ERTÜRK S., YILDIRIM T.  
IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, cilt.49, sa.8, ss.2936-2944, 2011 (SCI-Expanded)
- XVII. **Hyperspectral image classification using denoising of intrinsic mode functions**  
Demir B., ERTÜRK S., GÜLLÜ M. K.  
IEEE Geoscience and Remote Sensing Letters, cilt.8, sa.2, ss.220-224, 2011 (SCI-Expanded)
- XVIII. **Empirical Mode Decomposition of Hyperspectral Images for Support Vector Machine Classification**  
Demir B., ERTÜRK S.  
IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, cilt.48, sa.11, ss.4071-4084, 2010 (SCI-Expanded)
- XIX. **Bit Plane Matching Based Variable Block Size Motion Estimation Method and Its Hardware Architecture**  
ÇELEBİ A., Lee H., Ertuerk S.  
IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, cilt.56, sa.3, ss.1625-1633, 2010 (SCI-Expanded)
- XX. **Optimal filtering of polyphase-downsampling-based multiple description coded video**  
Ates C., URHAN O., ERTÜRK S.  
JOURNAL OF ELECTRONIC IMAGING, cilt.18, sa.4, 2009 (SCI-Expanded)
- XXI. **Clustering-Based Extraction of Border Training Patterns for Accurate SVM Classification of Hyperspectral Images**  
Demir B., ERTÜRK S.  
IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, cilt.6, sa.4, ss.840-844, 2009 (SCI-Expanded)
- XXII. **Truncated Gray-Coded Bit-Plane Matching Based Motion Estimation and its Hardware Architecture**  
ÇELEBİ A., AKBULUT O., URHAN O., Ertuerk S.  
IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, cilt.55, sa.3, ss.1530-1536, 2009 (SCI-Expanded)
- XXIII. **Efficient Hardware Implementations of Low Bit Depth Motion Estimation Algorithms**  
ÇELEBİ A., URHAN O., Hamzaoglu I., ERTÜRK S.  
IEEE SIGNAL PROCESSING LETTERS, cilt.16, sa.6, ss.513-516, 2009 (SCI-Expanded)
- XXIV. **Two-Bit Transform Based Block Motion Estimation Using Second Derivatives**  
Kim N., Ertuerk S., Lee H.  
IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, cilt.55, sa.2, ss.902-910, 2009 (SCI-Expanded)
- XXV. **A Low-Complexity Approach for the Color Display of Hyperspectral Remote-Sensing Images Using One-Bit-Transform-Based Band Selection**  
Demir B., ÇELEBİ A., Ertuerk S.  
IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, cilt.47, sa.1, ss.97-105, 2009 (SCI-Expanded)
- XXVI. **An All Binary Sub-Pixel Motion Estimation Approach and its Hardware Architecture**  
ÇELEBİ A., AKBULUT O., URHAN O., Hamzaoglu I., ERTUERK S.  
IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, cilt.54, sa.4, ss.1928-1937, 2008 (SCI-Expanded)
- XXVII. **Unsupervised Classification of Hyperspectral-Image Data Using Fuzzy Approaches That Spatially Exploit Membership Relations**  
Bilgin G., ERTÜRK S., Yildirim T.  
IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, cilt.5, sa.4, ss.673-677, 2008 (SCI-Expanded)
- XXVIII. **One-dimensional processing for efficient optimal post-process/in-loop filtering in video coding**  
AKBULUT O., URHAN O., ERTÜRK S., CHANG T.  
IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, cilt.54, sa.3, ss.1346-1354, 2008 (SCI-Expanded)
- XXIX. **Downsampling-based multiple description image coding using optimal filtering**  
YAPICI Y., DEMİR B., ERTUERK S., URHAN O.  
JOURNAL OF ELECTRONIC IMAGING, cilt.17, sa.3, 2008 (SCI-Expanded)
- XXX. **Parameter embedding mode and optimal post-process filtering for improved WDCT image compression**  
URHAN O., ERTUERK S.  
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, cilt.18, sa.4, ss.528-532, 2008 (SCI-

Expanded)

- XXXI. **Improved block motion estimation using block frequency warping**  
AKBULUT O., URHAN O., ERTUERK S.  
IEEE SIGNAL PROCESSING LETTERS, cilt.15, ss.143-145, 2008 (SCI-Expanded)
- XXXII. **Phase correlation based redundancy removal in feature weighting band selection for hyperspectral images**  
DEMİR B., ERTÜRK S.  
INTERNATIONAL JOURNAL OF REMOTE SENSING, cilt.29, sa.6, ss.1801-1807, 2008 (SCI-Expanded)
- XXXIII. **Blotch detection and removal for archive film restoration**  
GÜLLÜ M. K., URHAN O., ERTÜRK S.  
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, cilt.62, sa.7, ss.534-543, 2008 (SCI-Expanded)
- XXXIV. **Improved classification and segmentation of hyperspectral images using spectral warping**  
DEMİR B., Ertuerk S.  
INTERNATIONAL JOURNAL OF REMOTE SENSING, cilt.29, sa.12, ss.3657-3663, 2008 (SCI-Expanded)
- XXXV. **Optimal Post-Process/In-Loop filtering for improved video compression performance**  
KIM D., OH H., URHAN O., ERTÜRK S., CHANG T.  
IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, cilt.53, sa.4, ss.1687-1693, 2007 (SCI-Expanded)
- XXXVI. **Hyperspectral image classification using relevance vector machines**  
Demir B., Erturk S.  
IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, cilt.4, sa.4, ss.586-590, 2007 (SCI-Expanded)
- XXXVII. **Block motion estimation using adaptive modified two-bit transform**  
Demir B., Ertuerk S.  
IET IMAGE PROCESSING, cilt.1, sa.2, ss.215-222, 2007 (SCI-Expanded)
- XXXVIII. **Low complexity video encoding with one-bit transform based network-driven motion estimation**  
Oh H., Erturk S., Chang T.  
IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, cilt.53, sa.2, ss.601-608, 2007 (SCI-Expanded)
- XXXIX. **Constrained one-bit transform for low complexity block motion estimation**  
Urhan O., Ertuerk S.  
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, cilt.17, sa.4, ss.478-482, 2007 (SCI-Expanded)
- XL. **Optimization of Nd:YAG Laser Welding of Magnesium**  
DEMİR A., AKMAN E., CANEL T., Ertuerk S., KAYA A. A., Kenar N., SINMAZÇELİK T., URHAN O.  
JOURNAL OF LASER MICRO NANOENGINEERING, cilt.2, sa.1, ss.108-113, 2007 (SCI-Expanded)
- XLI. **A new perspective to block motion estimation for video compression: High-frequency component matching**  
Ertuerk S.  
IEEE SIGNAL PROCESSING LETTERS, cilt.14, sa.2, ss.113-116, 2007 (SCI-Expanded)
- XLII. **Multiplication-free one-bit transform for low-complexity block-based motion estimation**  
Ertuerk S.  
IEEE SIGNAL PROCESSING LETTERS, cilt.14, sa.2, ss.109-112, 2007 (SCI-Expanded)
- XLIII. **Shot-cut detection for B&W archive films using best-fitting kernel**  
Urhan O., Gullu M. K., Erturk S.  
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, cilt.61, sa.7, ss.463-468, 2007 (SCI-Expanded)
- XLIV. **Warped discrete cosine transform-based low bit-rate block coding using image downsampling**  
Erturk S.  
EURASIP JOURNAL ON ADVANCES IN SIGNAL PROCESSING, 2007 (SCI-Expanded)
- XLV. **Single sub-image matching based low complexity motion estimation for digital image stabilization using constrained one-bit transform**  
Urhan O., Erturk S.

- IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, cilt.52, sa.4, ss.1275-1279, 2006 (SCI-Expanded)
- XLVI. **Unsupervised segmentation of hyperspectral images using modified phase correlation**  
Ertuerk A., Ertuerk S.  
IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, cilt.3, sa.4, ss.527-531, 2006 (SCI-Expanded)
- XLVII. **A computer vision-based fast approach to drilling tool condition monitoring**  
ATLI A. V., Urhan O., ERTUERK S., SOENMEZ M.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, cilt.220, sa.9, ss.1409-1415, 2006 (SCI-Expanded)
- XLVIII. **Modified phase-correlation based robust hard-cut detection with application to archive film**  
Urhan O., Gullu M. K., Erturk S.  
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, cilt.16, sa.6, ss.753-770, 2006 (SCI-Expanded)
- XLIX. **Nonintrusive iris image extraction for iris recognition-based biometric identification**  
Erturk S.  
CIRCUITS SYSTEMS AND SIGNAL PROCESSING, cilt.25, sa.3, ss.405-419, 2006 (SCI-Expanded)
- L. **Fast digital image stabilization using one bit transform based sub-image motion estimation**  
Yeni A., Erturk S.  
IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, cilt.51, sa.3, ss.917-921, 2005 (SCI-Expanded)
- LI. **Two-bit transform for binary block motion estimation**  
Erturk A., Erturk S.  
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, cilt.15, sa.7, ss.938-946, 2005 (SCI-Expanded)
- LII. **Membership function adaptive fuzzy filter for image sequence stabilization**  
GÜLLÜ M. K., ERTÜRK S.  
IEEE Transactions on Consumer Electronics, cilt.50, sa.1, ss.1-7, 2004 (SCI-Expanded)
- LIII. **Image sequence stabilization using membership selective fuzzy filtering**  
GÜLLÜ M. K., ERTÜRK S.  
Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), cilt.2869, ss.497-504, 2003 (SCI-Expanded)
- LIV. **Digital image stabilization with sub-image phase correlation based global motion estimation**  
Erturk S.  
IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, cilt.49, sa.4, ss.1320-1325, 2003 (SCI-Expanded)
- LV. **Translation, rotation and scale stabilisation of image sequences**  
Erturk S.  
ELECTRONICS LETTERS, cilt.39, sa.17, ss.1245-1246, 2003 (SCI-Expanded)
- LVI. **Fuzzy image sequence stabilisation**  
GÜLLÜ M. K., ERTÜRK S.  
Electronics Letters, cilt.39, sa.16, ss.1170-1172, 2003 (SCI-Expanded)
- LVII. **Image sequence stabilisation using fuzzy adaptive Kalman filtering**  
GÜLLÜ M. K., YAMAN E., ERTÜRK S.  
Electronics Letters, cilt.39, sa.5, ss.429-431, 2003 (SCI-Expanded)
- LVIII. **Real-time digital image stabilization using Kalman filters**  
Erturk S.  
REAL-TIME IMAGING, cilt.8, sa.4, ss.317-328, 2002 (SCI-Expanded)
- LIX. **Image sequence stabilisation based on Kalman filtering of frame positions**  
Erturk S.  
ELECTRONICS LETTERS, cilt.37, sa.20, ss.1217-1219, 2001 (SCI-Expanded)
- LX. **Image sequence stabilisation based on DFT filtering**  
Erturk S., Dennis T.  
IEE PROCEEDINGS-VISION IMAGE AND SIGNAL PROCESSING, cilt.147, sa.2, ss.95-102, 2000 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Multi-national and Multi-language License Plate Detection using Convolutional Neural Networks**  
Salemdeeb M., ERTÜRK S.  
ENGINEERING TECHNOLOGY & APPLIED SCIENCE RESEARCH, cilt.10, sa.4, ss.5979-5985, 2020 (ESCI)
- II. **Establishing Programmable Josephson Voltage Standard and Maintaining Its Quantum Accuracy**  
COŞKUN ÖZTÜRK T., ERTÜRK S., TANGEL A., GEDİK A., YOĞUN M., CELEP M.  
International Journal of Electrical and Electronic Engineering Telecommunications, 2019 (Scopus)
- III. **Kamufraj Tespiti için Hiperspektral Görüntüleme**  
Karaca A. C., Ertürk A., Güllü M. K., Ertürk S.  
EMO Bilimsel Dergi, cilt.3, ss.35-39, 2013 (Hakemli Dergi)
- IV. **Hiperspektral Görüntüleme ve Görüntü İşlemenin Bugünü Yakın Geleceği ve Mevcut Araştırma Eğilimleri**  
Gerçek D., Çeşmeci D., Güllü M. K., Ertürk A., Ertürk S.  
XYZ Dergi, cilt.1, 2013 (Hakemsiz Dergi)
- V. **Accuracy Improvement and Evaluation Measures for Registration of Multisensor Remote Sensing Imagery**  
Gerçek D., Çeşmeci D., Güllü M. K., Ertürk A., Ertürk S.  
Jeodezi ve jeoinformasyon dergisi (Online), cilt.1, ss.97-103, 2012 (Hakemli Dergi)
- VI. **Progresses on the Theoretical and Experimental Studies in Laser Technologies Research and Application Center In Kocaeli**  
AKMAN E., ATALAY B., CANDAN L., CANEL T., DEMİR A., DEMİR P., ERTÜRK S., GENÇ ÖZTOPRAK B., KAÇAR E., KENAR N., et al.  
American Institute of Physics, cilt.899, ss.331-332, 2007 (Hakemli Dergi)

## **Kitap & Kitap Bölümleri**

- I. **Sayısal Haberleşme**  
ERTÜRK S.  
Birsen Yayınevi, 2016
- II. **Sayısal İşaret İşleme**  
ERTÜRK S.  
Birsen Yayınevi, 2016
- III. **Video Segmentation with Block Based Change Detection Using Numerous Preceding Image Frames**  
URHAN O., ERTÜRK S.  
New Trends in Computer Networks, Advances in Computer Science and Engineering, Tuğcu A., Gelenbe E., Çağlayan MU., Alagöz F., Editör, Imperial College Press , London, ss.264-273, 2005

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **A Different Approach To Determining The Quality Level Of Electrical Resistance Spot Welds In The Industrial Serial Production**  
Otmanbölük H., Ertürk S.  
6th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, HORA 2024, İstanbul, Türkiye, 23 - 25 Mayıs 2024
- II. **Measurement of Arbitrary Waveforms at Low Frequencies**  
COŞKUN ÖZTÜRK T., ERTÜRK S., TANGEL A., MEHEDİN A.  
Conference on Precision Electromagnetic Measurements (CPEM), Colorado, Amerika Birleşik Devletleri, 24 Ağustos 2020

- III. **KARARLILIĞI YÜKSEK YARI-İLETKEN DAC'IN KUANTUM VOLTMETRE İLE KALİBRASYONU**  
COŞKUN ÖZTÜRK T., ERTÜRK S., TANGEL A., MEHEDİN A.  
Ölçümbilim Sempozyumu ve Sergisi, Türkiye, 20 Kasım - 22 Aralık 2019
- IV. **Graph Regularized L1/2-Sparsity Constrained Non-Negative Matrix Factorization for Hyperspectral and Multispectral Image Fusion**  
Kahraman S., Ertürk A., Ertürk S.  
9th Workshop on Hyperspectral Image and Signal Processing: Evolution in Remote Sensing, WHISPERS 2018, Amsterdam, Hollanda, 23 - 26 Eylül 2018
- V. **Towards Wideband Voltage Scaling to Quantum Standards at the Accuracy of the Stability**  
COŞKUN ÖZTÜRK T., ERTÜRK S., TANGEL A., MEHEDİN A., CELEP M.  
Conference on Precision Electromagnetic Measurements (CPEM 2018), 8 - 13 Temmuz 2018
- VI. **Superpixel Based Spectral Classification of Hyperspectral Images in Different Spaces**  
Sakaci S. A., ERTÜRK S.  
5th International Conference on Electrical and Electronics Engineering (ICEEE), İstanbul, Türkiye, 3 - 05 Mayıs 2018, ss.384-388
- VII. **GRAPH REGULARIZED L-1/2-SPARSITY CONSTRAINED NON-NEGATIVE MATRIX FACTORIZATION FOR HYPERSPECTRAL AND MULTISPECTRAL IMAGE FUSION**  
Kahraman S., ERTÜRK A., ERTÜRK S.  
9th Workshop on Hyperspectral Image and Signal Processing - Evolution in Remote Sensing (WHISPERS), Amsterdam, Hollanda, 23 - 26 Eylül 2018
- VIII. **Fuzzy Fusion of Change Vector Analysis and Spectral Angle Mapper for Hyperspectral Change Detection**  
ERTÜRK S.  
38th IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Valencia, İspanya, 22 - 27 Temmuz 2018, ss.5045-5048
- IX. **BLOCK-BASED AND SEGMENTATION-BASED APPROACHES FOR COMPONENT SUBSTITUTION BASED HYPERSPECTRAL PANSHARPENING**  
Kahraman S., Yesilyurt G., Ertürk A., Ertürk S.  
38th IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Valencia, İspanya, 22 - 27 Temmuz 2018, ss.8054-8057
- X. **ANOMALY PRESERVING CONTENT-AWARE HYPERSPECTRAL IMAGE SIZE REDUCTION**  
ERTÜRK A., ERTÜRK S.  
38th IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Valencia, İspanya, 22 - 27 Temmuz 2018, ss.6368-6371
- XI. **Evaluation of Manual and Automatic Calibration Methods for Digital Tachographs**  
ERTÜRK S., Eyigel L., Çelik C., Şahinoğlu M., Ay S., Kaya Y., Kaya H.  
ICAMET 2017: 19th International Conference on Automotive Manufacturing Engineering and Technology, 21 - 22 Aralık 2017
- XII. **Metrological Measurements Using Programmable Josephson Voltage Standard**  
ÖZTÜRK T. C., ERTÜRK S., TANGEL A., ARİFOVİÇ M., TURHAN S.  
ELECO-2017, 30 Kasım - 02 Aralık 2017
- XIII. **Pseudocoloring of ultrasound images Ultrason Görüntülerinin Sözde Renklendirilmesi**  
KONYAR M. Z., ERTÜRK S.  
25th Signal Processing and Communications Applications Conference, SIU 2017, Antalya, Türkiye, 15 - 18 Mayıs 2017
- XIV. **Pseudocoloring of Ultrasound Images**  
Konyar M. Z., ERTÜRK S.  
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Türkiye, 15 - 18 Mayıs 2017
- XV. **Metric and Transform Performance Analysis for Hyperspectral Superpixel Segmentation**  
Yesilyurt G. N., ERTÜRK A., ERTÜRK S.  
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Türkiye, 15 - 18 Mayıs 2017

- XVI. SEAM CARVING FOR HYPERSPECTRAL IMAGE SIZE REDUCTION AND UNMIXING**  
ERTÜRK A., ERTÜRK S.  
IEEE International Geoscience & Remote Sensing Symposium, Texas, Amerika Birleşik Devletleri, 23 - 28 Temmuz 2017, ss.1752-1755
- XVII. Epileptic Seizure Prediction with Recurrent Convolutional Neural Networks**  
Ozcan A. R., ERTÜRK S.  
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Türkiye, 15 - 18 Mayıs 2017
- XVIII. Arttırılmış Gerçeklik Uygulamaları için 360 Derece Takip Edilebilen Bir Etiket**  
Özüağ E., ERTÜRK S.  
24. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU 2016), Türkiye, 16 - 19 Mayıs 2016
- XIX. UNMIXING WITH SLIC SUPERPIXELS FOR HYPERSPECTRAL CHANGE DETECTION**  
ERTÜRK A., ERTÜRK S., Plaza A.  
36th IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Beijing, Çin, 10 - 15 Temmuz 2016, ss.3370-3373
- XX. Effect Of Feature Extraction And Classification Method On Hyperspectral Image Classification Accuracy**  
Alraimi A., ERTÜRK S.  
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Türkiye, 16 - 19 Mayıs 2016, ss.625-628
- XXI. Digital Radar Signal Simulator Design for Combat Management System Integration Into Warships**  
Turan S., ERTÜRK S.  
18th UKSim-AMSS International Conference on Computer Modelling and Simulation (UKSim), Cambridge, Kanada, 6 - 08 Nisan 2016, ss.349-354
- XXII. Hardware CODEC Based JPEG2000 Video Encoder Design for Combat System Video Networks**  
Turan S., Mohammed E. H., ERTÜRK S.  
6th International Conference on Digital Information and Communication Technology and its Applications (DICTAP), Konya, Türkiye, 21 - 23 Temmuz 2016, ss.156-158
- XXIII. A 360 Degree Trackable Marker for Augmented Reality Applications**  
Ozuag E., ERTÜRK S.  
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Türkiye, 16 - 19 Mayıs 2016, ss.2197-2200
- XXIV. Ultrason Görüntülerinin Ayrık Dalgacık Dönüşümü ile Sözde Renklendirilmesi**  
KONYAR M. Z., ŞAYLI Ö., ERTÜRK S.  
Tıp Teknolojileri Ulusal Kongresi 2015, Muğla, Türkiye, 15 - 18 Ekim 2015
- XXV. Enhanced Video Target Tracking using Kalman Filter Guided Covariance Descriptor with Gaussian Similarity Weighting**  
AKBULUT O., ERTÜRK S.  
Int'l Conf. IP, Comp. Vision, and Pattern Recognition IPCV 2015, 27 - 31 Temmuz 2015
- XXVI. Local spectral gradient based gas detection in LWIR hyperspectral images**  
ÇEŞMECİ D., KARACA A. C., ERTÜRK A., ERTÜRK S.  
2015 23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, Türkiye, 16 - 19 Mayıs 2015
- XXVII. Hybrid change detection approach in hyperspectral images**  
KARACA A. C., ÇEŞMECİ D., ERTÜRK A., ERTÜRK S.  
2015 23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, Türkiye, 16 - 19 Mayıs 2015
- XXVIII. Ultrason Görüntülerinin Çift Yönlü Süzgeç ve Rayleigh KLAHE ile Pekiştirilmesi**  
KONYAR M. Z., ERTÜRK S.  
IEEE 23. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.1861-1864
- XXIX. Radar Menzil Verisinde Doğrusal Olmayan Yeniden Örnekleme Yaklaşımı**  
ALDIRMAZ ÇOLAK S., TURAN S., ERTÜRK S.



23. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU2015), Malatya, Türkiye, 16 - 19 Mayıs 2015
- XXX. **Anomaly Based Target Detection in Hyperspectral Images via Graph Cuts**  
Bati E., Erdinc A., Cesmeci D., Caliskan A., Koz A., Aksoy S., Erturk S., Alatan A. A.  
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.2631-2634
- XXXI. **Hyperspectral Image Classification using Daisy Descriptor**  
Meric M., Igit S., ERTÜRK S.  
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.2450-2453
- XXXII. **Image Sequences Synchronization by Using Projective Geometry Properties**  
Ozuag E., ERTÜRK S.  
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.2337-2340
- XXXIII. **Hierarchical Image Representation Using Deep Network**  
Ergul E., ERTÜRK S., Arica N.  
18th International Conference on Image Analysis and Processing (ICIAP), Genoa, İtalya, 7 - 11 Eylül 2015, cilt.9280, ss.66-77
- XXXIV. **On the Error Performance Bounds of Positioning Using RSSI-based Fingerprints**  
Dogan S., Yilmaz F., ERTÜRK S.  
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.1325-1328
- XXXV. **Enhancement of Ultrasound Images with Bilateral Filter and Rayleigh CLAHE**  
KONYAR M. Z., ERTÜRK S.  
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.1861-1864
- XXXVI. **Pseudocoloring Ultrasound Images with Two Dimensional Discrete Wavelet Transform**  
KONYAR M. Z., Sayli O., ERTÜRK S.  
Medical Technologies National Conference (TIPTEKNO), Bodrum, Türkiye, 15 - 18 Ekim 2015
- XXXVII. **HYPERSPECTRAL CHANGE DETECTION BY LOCAL BINARY SIMILARITY PATTERNS**  
Koc H., Suer S., ERTÜRK S.  
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.2430-2433
- XXXVIII. **An Approach for Non-Uniform Resampling of Radar Range Data**  
Colak S. A., ERTÜRK S., Turan S.  
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.1660-1663
- XXXIX. **Superpixel Based Classification of Hyperspectral Images**  
Cakmak M., Cezairlioglu K., ERTÜRK S.  
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.2486-2488
- XL. **Hyperspectral Change Detection with Stereo Disparity Information Enhancement**  
KARACA A. C., ÇEŞMECİ D., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.  
IEEE 6th Workshop on Hyperspectral Image and Signal Processing: Evolution in Remote Sensing (WHISPERS), İsviçre, 24 - 27 Temmuz 2014
- XLI. **Stereo Hiperspektral Görüntüleme**  
KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.  
7. Savunma Teknolojileri Kongresi (SAVTEK 2014), Ankara, Türkiye, 25 - 26 Haziran 2014
- XLII. **Design of a hyperspectral imaging spectrometer for visible and near infrared region applications**  
ÇIRPICI U., KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.  
2014 22nd Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, Türkiye, 23 - 25 Nisan 2014

- XLIII. Hyperspectral change detection based on Multi band Census Transform**  
ÇEŞMECİ D., KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.  
2014 22nd Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, Türkiye, 23 - 25 Nisan 2014
- XLIV. HARDWARE DESIGN OF AN EMBEDDED REAL-TIME ACOUSTIC SOURCE LOCATION DETECTOR**  
Turkoglu C., Cagdas S., ÇELEBİ A., ERTÜRK S.  
6th IFIP International Conference on New Technologies, Mobility and Security (NTMS), Dubai, Birleşik Arap Emirlikleri, 30 Mart - 02 Nisan 2014
- XLV. A NOVEL PANORAMIC STEREO HYPERSPECTRAL IMAGING SYSTEM**  
Karaca A. C., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.  
6th International Symposium on Communications, Control and Signal Processing (ISCCSP), Athens, Yunanistan, 21 - 23 Mayıs 2014, ss.145-148
- XLVI. HYPERSPECTRAL IMAGE VISUALIZATION BASED ON HIGH DYNAMIC RANGE IMAGING**  
Suer S., Koc H., ERTÜRK S.  
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Türkiye, 23 - 25 Nisan 2014, ss.1168-1170
- XLVII. Lane Detection System Based on One Bit Transform**  
Baykal B., Ozcan A. R., ERTÜRK S.  
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Türkiye, 23 - 25 Nisan 2014, ss.2237-2240
- XLVIII. A Probabilistic Approach For Fast Covariance Descriptor**  
AKBULUT O., ERTÜRK S.  
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Türkiye, 23 - 25 Nisan 2014, ss.2166-2169
- XLIX. A Homography Matrix Decomposition Based Video Synchronization Approach**  
Ozguaz E., ERTÜRK S.  
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Türkiye, 23 - 25 Nisan 2014, ss.2043-2046
- L. ONE-BIT TRANSFORM BASED HAND VEIN BIOMETRIC SYSTEM**  
Cezairlioglu K., Cakmak M., ERTÜRK S.  
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Türkiye, 23 - 25 Nisan 2014, ss.1094-1097
- LI. HYPERSPECTRAL CHANGE DETECTION BY MULTI-BAND CENSUS TRANSFORM**  
ÇEŞMECİ D., KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.  
IEEE Joint International Geoscience and Remote Sensing Symposium (IGARSS) / 35th Canadian Symposium on Remote Sensing, Quebec City, Kanada, 13 - 18 Temmuz 2014, ss.2969-2972
- LII. Integrating anomaly detection to spatial preprocessing for endmember extraction of hyperspectral images**  
ERTÜRK A., Cesmecı D., Gercek D., GÜLLÜ M. K., ERTÜRK S.  
2013 33rd IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2013, Melbourne, Avustralya, 21 - 26 Temmuz 2013, ss.1087-1090
- LIII. Automatic Waste Sorting using Shortwave Infrared Hyperspectral Imaging System**  
KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ELMAS M., ERTÜRK S.  
IEEE 5th Workshop on Hyperspectral Image and Signal Processing: Evolution in Remote Sensing (WHISPERS), 25 Temmuz - 28 Eylül 2013
- LIV. Unmixing-based fusion of hyperspectral images for classification Hiperspektral görüntülerin sınıflandırılmasında katışım temelli kaynaştırma**  
Çeşmecı D., Gerçek D., GÜLLÜ M. K., ERTÜRK A., ERTÜRK S.  
2013 21st Signal Processing and Communications Applications Conference, SIU 2013, Haspolat, Türkiye, 24 - 26 Nisan 2013
- LV. Unmixing-based fusion of hyperspectral images with high spatial resolution images Hiperspektral**

**görüntüler ile yüksek çözünürlüklü görüntülerin spektral katisim temelli kaynaştırılması**

Gerçek D., Çesmecı D., GÜLLÜ M. K., ERTÜRK A., ERTÜRK S.

2013 21st Signal Processing and Communications Applications Conference, SIU 2013, Haspolat, Türkiye, 24 - 26 Nisan 2013

- LVI. **Anomaly and homogeneous region guided endmember extraction for hyperspectral images**  
**Hiperspektral görüntüler için anomali ve homojen bölge gözeten son eleman çıkarımı**  
ERTÜRK A., Çesmecı D., Gerçek D., GÜLLÜ M. K., ERTÜRK S.  
2013 21st Signal Processing and Communications Applications Conference, SIU 2013, Haspolat, Türkiye, 24 - 26 Nisan 2013
- LVII. **Enhancement of fog degraded images using empirical mode decomposition Sisten bozulmuş**  
**imgelerde ampirik kip ayrisimına dayalı iyilestirme**  
Çelebi A., GÜLLÜ M. K., ERTÜRK S.  
2013 21st Signal Processing and Communications Applications Conference, SIU 2013, Haspolat, Türkiye, 24 - 26 Nisan 2013
- LVIII. **Hiperspektral Görüntüleme ile Kamufraj Tespiti**  
Karaca A. C., Ertürk A., Güllü M. K., Elmas M., Ertürk S.  
6. SavunmaTehnolojileri Kongresi (SAVTEK 2012), Ankara, Türkiye, 20 - 22 Haziran 2012
- LIX. **Plastic waste sorting using infrared hyperspectral imaging system**  
KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.  
2013 21st Signal Processing and Communications Applications Conference (SIU), Haspolat, Türkiye, 24 - 26 Nisan 2013
- LX. **İyileştirilmiş Benzerlik Kriteri Kullanarak Bölgesel Ortak Değişinti Betimleyici Tabanlı Olasılıksal**  
**Nesne Takibi**  
AKBULUT O., URHAN O., ERTÜRK S.  
21st Signal Processing and Communications Applications Conference (SIU), 24 - 26 Nisan 2013
- LXI. **Unsupervised Relative Attribute Extraction**  
Ergul E., ERTÜRK S., Arica N.  
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 Nisan 2013
- LXII. **Region Covariance Descriptor Based Probabilistic Object Tracking using Enhanced Similarity**  
**Criterion**  
AKBULUT O., URHAN O., ERTÜRK S.  
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 Nisan 2013
- LXIII. **Anomaly and Homogeneous Region Guided Endmember Extraction for Hyperspectral Images**  
ERTÜRK A., Cesmecı D., Gerçek D., GÜLLÜ M. K., ERTÜRK S.  
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 Nisan 2013
- LXIV. **Enhancement of Fog Degraded Images Using Empirical Mode Decomposition**  
Celebi A. T., GÜLLÜ M. K., ERTÜRK S.  
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 Nisan 2013
- LXV. **Unmixing-based Fusion of Hyperspectral Images with High Spatial Resolution Images**  
Gerçek D., Cesmecı D., GÜLLÜ M. K., ERTÜRK A., ERTÜRK S.  
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 Nisan 2013
- LXVI. **Unmixing-based Fusion of Hyperspectral Images for Classification**  
Cesmecı D., Gerçek D., GÜLLÜ M. K., ERTÜRK A., ERTÜRK S.  
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 Nisan 2013
- LXVII. **Hyperspectral image classification with spectral gradient enhancement for empirical mode**  
**decomposition**  
ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.  
2012 32nd IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2012, Munich, Almanya, 22 - 27 Temmuz 2012, ss.4162-4165
- LXVIII. **An automated fine registration of multisensor remote sensing imagery**  
Gerçek D., Çesmecı D., GÜLLÜ M. K., ERTÜRK A., ERTÜRK S.

2012 32nd IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2012, Munich, Almanya, 22 - 27 Temmuz 2012, ss.1361-1364

- LXIX. **Mikrodenetleyici Tabanlı Lazer Mesafe Ölçer**  
ESEN U., CABBAS O. D., ÇELEBİ A., URHAN O., ERTÜRK S.  
Gömülü Sistemler ve Uygulamaları Sempozyumu (GömSis 2012), İstanbul, Türkiye, 29 - 30 Kasım 2012, cilt.1, ss.95-98
- LXX. **Panoramik Kamera Sistemi PAN KAM**  
TEKYILDIZ A., GÜVENEL Ç., DUVAR R., ÇELEBİ A., URHAN O., ERTÜRK S.  
Gömülü Sistemler ve Uygulamaları Sempozyumu (gÖMSİS 2012), İstanbul, Türkiye, 29 - 30 Kasım 2012, cilt.1, ss.113-114
- LXXI. **Analysis of evidence in forensic documents using hyperspectral imaging system**  
KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ELMAS M., ERTÜRK S.  
2012 20th Signal Processing and Communications Applications Conference (SIU), Mugla, Turkey, Türkiye, 18 - 20 Nisan 2012
- LXXII. **An automated approach for registration of multisensor/multi-resolution imagery Farkli alıcılardan elde edilen farklı çözünürlüklü uydu görüntülerinin çakıştırılmasında otomatik bir yaklaşım**  
Gerçek D., Çeşmeci D., GÜLLÜ M. K., ERTÜRK A., ERTÜRK S.  
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Türkiye, 18 - 20 Nisan 2012
- LXXIII. **Iris recognition system based on fast iris localization and phase correlation matching Hızlı iris tespiti ve faz ilintisi eşleme temelli iris tanıma sistemi**  
Tekyildiz A., GÜLLÜ M. K., URHAN O., ERTÜRK S.  
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Türkiye, 18 - 20 Nisan 2012
- LXXIV. **Implementation of sonobuoy receiver using software defined radio Yazılım tanımlı radyo ile sonoboy alıcı gerçekleştirilmesi**  
Karabulut E., Birecik S., ERTÜRK S.  
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Türkiye, 18 - 20 Nisan 2012
- LXXV. **An uncooled infrared camera with embedded real-time target tracking capability Gerçek zamanlı gömülü hedef takibi yapabilen soğutmasız kızıl ötesi kamera**  
Güvenel Ç., Tekyildiz A., Türkoğlu Ç., Yıldız Ç., KÜÇÜKMANİSA A., ÇELEBİ A., URHAN O., GÜLLÜ M. K., ERTÜRK S.  
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Türkiye, 18 - 20 Nisan 2012
- LXXVI. **Empirical mode decomposition based approach with spectral enhancement for hyperspectral image classification Hiperspektral görüntü sınıflandırması için spektral iyileştirmeli ampirik kip ayrıştırması tabanlı yaklaşım**  
ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.  
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Türkiye, 18 - 20 Nisan 2012
- LXXVII. **A multi-view stereo based high resolution 3-D model generation approach Çok-bakışlı stereo yaklaşımı ile yüksek çözünürlüklü bir 3-B model oluşturma yaklaşımı**  
Özuağ E., GÜLLÜ M. K., URHAN O., ERTÜRK S., Işken T.  
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Türkiye, 18 - 20 Nisan 2012
- LXXVIII. **Image registration with luminance transform operation Parlaklık dönüşüm işlemi ile imge çakıştırma**  
Çeşmeci D., Gerçek D., GÜLLÜ M. K., ERTÜRK A., ERTÜRK S.  
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Türkiye, 18 - 20 Nisan 2012
- LXXIX. **Real time control of tyre profiles using computer vision approach Lastik profillerinin bilgisayarda görü yaklaşımı ile gerçek zamanlı kontrolü**

- Duvar R., Gökbayrak A. B., Aytekin H. S., GÜLLÜ M. K., URHAN O., ERTÜRK S.  
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Türkiye, 18 - 20 Nisan 2012
- LXXX. **DSP implementation of phase correlation based real-time video stabilization Faz korelasyonu temelli gerçek-zamanli video stabilizasyonunun DSP üzerinde gerçekleşmesi**  
KÜÇÜKMANİSA A., URHAN O., GÜLLÜ M. K., ERTÜRK S.  
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Türkiye, 18 - 20 Nisan 2012
- LXXXI. **Visual enhancement of underwater images using Empirical Mode Decomposition and wavelet denoising**  
TAŞYAPI ÇELEBİ A., ERTÜRK S.  
2012 20th Signal Processing and Communications Applications Conference (SIU), Mugla, Turkey, Türkiye, 18 - 20 Nisan 2012
- LXXXII. **COMPARATIVE EVALUATION OF VECTOR MACHINE BASED HYPERSPECTRAL CLASSIFICATION METHODS**  
KARACA A. C., ERTÜRK A., GÜLLÜ M. K., ERTÜRK S.  
IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Munich, Almanya, 22 - 27 Temmuz 2012, ss.4970-4973
- LXXXIII. **Metric measurement from street view sequences with simple operator assistance and phase correlation based frame selection**  
Ozuag E., GÜLLÜ M. K., URHAN O., ERTÜRK S.  
21st IEEE International Workshop on Machine Learning for Signal Processing, MLSP 2011, Beijing, Çin, 18 - 21 Eylül 2011
- LXXXIV. **IR Camera System with Embedded Target Tracking**  
GÜVENEL Ç., TEKYILDIZ A., TÜRKOĞLU Ç., ÇELEBİ A., URHAN O., GÜLLÜ M. K., ERTÜRK S.  
2nd Annual International Conference on Advances in Distributed and Parallel Computing (ADPC 2011) - special track on Real-Time and Embedded Systems (RTES 2011), 12 - 13 Ekim 2011, cilt.1, ss.71-74
- LXXXV. **Constrained one-bit transform based motion estimation with early skip mode Erken atlama modu ile kısıtlanmış bir-bit dönüş ümü temelli hareket kestirimi**  
URHAN O., ERTÜRK S.  
2011 IEEE 19th Signal Processing and Communications Applications Conference, SIU 2011, Antalya, Türkiye, 20 - 22 Nisan 2011, ss.774-776
- LXXXVI. **Fuzzy logic based obstacle detection in images captured by imaging sonar**  
TAŞYAPI ÇELEBİ A., GÜLLÜ M. K., ERTÜRK S.  
2011 IEEE 19th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, Türkiye, 20 - 22 Nisan 2011
- LXXXVII. **Mine detection in side scan sonar images using Markov Random Fields with brightness compensation**  
TAŞYAPI ÇELEBİ A., GÜLLÜ M. K., ERTÜRK S.  
2011 IEEE 19th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, Türkiye, 20 - 22 Nisan 2011
- LXXXVIII. **Exploiting the Full Potential of Two-Bit Transform Based Motion Estimation**  
Ertuerk S.  
IEEE International Conference on Consumer Electronics (ICCE 2011), Nevada, Amerika Birleşik Devletleri, 9 - 12 Ocak 2011, ss.643-644
- LXXXIX. **Sonar imgelerinde Ampirik Kip Ayrışımı ve Morfolojik işlemler kullanarak hedef tespiti**  
TAŞYAPI ÇELEBİ A., ERTÜRK S.  
2010 IEEE 18th Signal Processing and Communications Applications Conference, Diyarbakir, Turkey, Türkiye, 22 - 24 Nisan 2010
- XC. **High resolution 3-D face modeling and model warping**  
Özüağ E., GÜLLÜ M. K., URHAN O., ERTÜRK S.

18th International Conference in Central Europe on Computer Graphics, Visualization and Computer Vision, WSCG 2010, Plzen, Çek Cumhuriyeti, 1 - 04 Şubat 2010, ss.57-60

- XCII. **Image coding/transmission with optimal filtering for a wavelet based multiple description approach**  
**Dalgacık temelli bir çoklu tanımlama yaklaşımı için en uygun süzgeçleme ile imge kodlama/iletimi**  
Ateş Ç., URHAN O., ERTÜRK S.  
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Türkiye, 22 - 24 Nisan 2010, ss.898-901
- XCIII. **3-D face modeling and local deformations 3-B yüz modelleme ve yerel deformasyonlar**  
Özüağ E., GÜLLÜ M. K., URHAN O., ERTÜRK S.  
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Türkiye, 22 - 24 Nisan 2010, ss.752-755
- XCIV. **EMPIRICAL MODE DECOMPOSITION BASED VISUAL ENHANCEMENT OF UNDERWATER IMAGES**  
TAŞYAPI ÇELEBİ A., ERTÜRK S.  
IMAGE PROCESSING THEORY, TOOLS AND APPLICATIONS, 4 - 06 Temmuz 2010
- XCV. **EMPIRICAL MODE DECOMPOSITION BASED DECISION FUSION FOR HIGHER HYPERSPECTRAL IMAGE CLASSIFICATION ACCURACY**  
Demir B., ERTÜRK S.  
30th IEEE International Geoscience and Remote Sensing Symposium (IGARSS) on Remote Sensing - Global Vision for Local Action, Hawaii, Amerika Birleşik Devletleri, 25 - 30 Haziran 2010, ss.488-491
- XCVI. **Wavelet shrinkage denoising of intrinsic mode functions of hyperspectral image bands for classification with high accuracy**  
Demir B., ERTÜRK S., GÜLLÜ M. K.  
2009 IEEE International Geoscience and Remote Sensing Symposium, IGARSS 2009, Cape-Town, Güney Afrika, 12 - 17 Temmuz 2009, cilt.3
- XCVII. **Performance comparison of different denoising methods for sonar images**  
**Sonar imgeleri için değişik gürültü azaltım yöntemlerinin başarımlarını karşılaştırması**  
Çelebi A. T., GÜLLÜ M. K., ERTÜRK S.  
2009 IEEE 17th Signal Processing and Communications Applications Conference, SIU 2009, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.772-775
- XCVIII. **Low-complexity iris recognition using one-bit transform and angular radial partitioning**  
**Bir-bit dönüşümü ve açısız radyal parçalama kullanan düşük karmaşıklığa sahip iris tanıma sistemi**  
Çelebi A., GÜLLÜ M. K., ERTÜRK S.  
2009 IEEE 17th Signal Processing and Communications Applications Conference, SIU 2009, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.696-699
- XCVIII. **Poster No: 008 Sayfa No:78 MEMANTİN'İN TREMOR ŞİDDETİNİ AZALTICI VE NÖRON KORUYUCU ETKİSİ: TİTREŞİM ANALİZİ VE İMMÜNOHİSTOKİMYASAL YAKLAŞIM. TÜRK FİZYOLOJİ BİLİMLER DERNEĞİ 35. ULUSAL FİZYOLOJİ KONGRESİ, 01 Ekim 2009 Perşembe Poster No: 008**  
KARSON A., İŞERİ P., AKMAN Ö., GÜLLÜ M. K., KÖKTÜRK S., ERTÜRK S., YARDIMOĞLU YILMAZ M., ATEŞ N.  
35. ULUSAL FİZYOLOJİ KONGRESİ, Ankara, Türkiye, 30 Eylül - 03 Ekim 2009, ss.78
- XCIX. **Memantinin tremor şiddetini azaltıcı ve nöron koruyucu etkisi titreşim analizi ve immunohistokimyasal yaklaşım**  
KARSON A., İŞERİ P., AKMAN Ö., GÜLLÜ M. K., KÖKTÜRK S., ERTÜRK S., YARDIMOĞLU YILMAZ M., ATEŞ N.  
Türk Fizyolojik Bilimler Derneği 35. Ulusal Fizyoloji Kongresi Bildiri kitapçığı, P008, Türk Fizyolojik Bilimler Derneği 35. Ulusal Fizyoloji Kongresi, Ankara, Türkiye, 30 Eylül - 03 Ekim 2009
- C. **Sonar İmgeleri İçin Değişik Gürültü Azaltım Yöntemlerinin Başarımlarını Karşılaştırması**  
TAŞYAPI ÇELEBİ A., GÜLLÜ M. K., ERTÜRK S.  
2009 IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, Türkiye, 9 - 11 Nisan 2009
- CI. **Bir-Bit Dönüşümü ve Açısız Radyal Parçalama Kullanan Düşük Karmaşıklığa Sahip İris Tanıma Sistemi**  
TAŞYAPI ÇELEBİ A., GÜLLÜ M. K., ERTÜRK S.

2009 IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, Türkiye, 9 - 11 Nisan 2009

- CII. **Efficient Hardware Architecture with Data Reuse and Fast Search Algorithm Support for Low Complexity Motion Estimation**  
ÇELEBİ A., ERTÜRK S., LEE H. J.  
24th International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC), JEJU, Güney Kore, 5 - 08 Mayıs 2009, cilt.1, ss.1-4
- CIII. **Truncated Gray-Coded Bit-Plane Matching Based Motion Estimation and its Hardware Architecture**  
ÇELEBİ A., AKBULUT O., URHAN O., ERTÜRK S.  
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.906-909
- CIV. **Optimal Filtering for Polyphase Downsampling Based Multiple Description Coded Video**  
Ates C., URHAN O., ERTÜRK S.  
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.894-897
- CV. **IMPROVING SVM CLASSIFICATION ACCURACY USING A HIERARCHICAL APPROACH FOR HYPERSPECTRAL IMAGES**  
Demir B., ERTÜRK S.  
16th IEEE International Conference on Image Processing, Cairo, Mısır, 7 - 10 Kasım 2009, ss.2849-2852
- CVI. **NEAR OPTIMAL IN-LOOP/POST FILTERING FOR REAL TIME VIDEO CODING APPLICATIONS**  
AKBULUT O., URHAN O., ERTÜRK S.  
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.834-837
- CVII. **IMPROVED QUALITY MULTIPLE DESCRIPTION 3D MESH CODING WITH OPTIMAL FILTERING**  
Demir B., Erturk S., Urhan O.  
16th IEEE International Conference on Image Processing, Cairo, Mısır, 7 - 10 Kasım 2009, ss.3541-3544
- CVIII. **Increasing Hyperspectral Image Classification Accuracy for Data Sets with Limited Training Samples by Sample Interpolation**  
Demir B., ERTÜRK S.  
4th International Conference on Recent Advances in Space Technologies, İstanbul, Türkiye, 11 - 13 Haziran 2009, ss.367-369
- CIX. **AN EMPIRICAL MODE DECOMPOSITION AND COMPOSITE KERNEL APPROACH TO INCREASE HYPERSPECTRAL IMAGE CLASSIFICATION ACCURACY**  
Demir B., Ertuerk S.  
IEEE International Geoscience and Remote Sensing Symposium, Cape-Town, Güney Afrika, 12 - 17 Temmuz 2009, ss.1106-1109
- CX. **ACCURATE SVM CLASSIFICATION USING BORDER TRAINING PATTERNS**  
Demir B., ERTÜRK S.  
1st Workshop on Hyperspectral Image and Signal Processing - Evolution in Remote Sensing, Grenoble, Fransa, 26 - 29 Ağustos 2009, ss.223-226
- CXI. **High Accuracy Hyperspectral Image Classification Based on Empirical Mode Decomposition and Composite Kernel**  
Demir B., ERTÜRK S.  
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.890-893
- CXII. **One-Class Support Vector Machines Based Cluster Validity in the Segmentation of Hyperspectral Images**  
Bilgin G., ERTÜRK S., Yildirim T.  
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.109-110
- CXIII. **Performance comparison of different denoising methods for sonar images**

- Celebi A. T., GÜLLÜ M. K., ERTÜRK S.  
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.982-985
- CXIV. **Low-Complexity Iris Recognition Using One-Bit Transform and Angular Radial Partitioning**  
Celebi A. T., GÜLLÜ M. K., ERTÜRK S.  
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.910-913
- CXV. **Segmentation of hyperspectral images using phase correlation based on adaptive thresholding**  
**Hiperspektral görüntülerin uyarlamalı eşik temelli faz korelasyonu kullanılarak bölütlenmesi**  
Çeşmeci D., GÜLLÜ M. K., ERTÜRK S.  
2008 IEEE 16th Signal Processing, Communication and Applications Conference, SIU, Aydın, Türkiye, 20 - 22 Nisan 2008
- CXVI. **Facial feature matched one-bit transform for face recognition**  
**Yüz tanıma için yüz özelliklerine uyumlu bir-bit dönüşümü**  
Çelebi A., Demir B., GÜLLÜ M. K., ERTÜRK S.  
2008 IEEE 16th Signal Processing, Communication and Applications Conference, SIU, Aydın, Türkiye, 20 - 22 Nisan 2008
- CXVII. **Yüz Tanıma için Yüz Özelliklerine Uyumlu Bir-bit Dönüşümü**  
TAŞYAPI ÇELEBİ A., DEMİR B., GÜLLÜ M. K., ERTÜRK S.  
2008 IEEE 16th Signal Processing, Communication and Applications Conference, Aydın, Türkiye, 20 - 22 Nisan 2008
- CXVIII. **Hiperspektral Görüntülerde Kernel Temel Bileşenleri Tabanlı Özellik Çıkartımının Sınıflandırma Başarımına Etkisi**  
YALÇIN E., ERTÜRK S.  
Sinyal İşleme ve İletişim Uygulamaları, 20 Nisan 2008
- CXIX. **Multiscale windowed denoising and segmentation of hyperspectral images**  
Bilgin G., ERTÜRK S., Yıldırım T.  
IEEE International Conference on Computational Intelligence for Measurement Systems and Applications, İstanbul, Türkiye, 14 - 16 Temmuz 2008, ss.33-34
- CXX. **MVBLA Based Design of Constrained 1-Bit Transform Based Motion Estimation Algorithm**  
ÇELEBİ A., URHAN O., Ertuerk S., Hamzaoglu I., Duendar G.  
IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Türkiye, 20 - 22 Nisan 2008, ss.581-582
- CXXI. **Segmentation of Hyperspectral Images using Phase Correlation based on Adaptive Thresholding**  
Cesmeci D., Guellue M. K., Ertuerk S.  
IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Türkiye, 20 - 22 Nisan 2008, ss.391-394
- CXXII. **Hyperspectral Image Classification Based on Empirical Mode Decomposition**  
Demir B., Ertuerk S.  
IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Türkiye, 20 - 22 Nisan 2008, ss.387-390
- CXXIII. **SPATIAL POSITION DETECTION OF ACOUSTIC SOURCES ON THE TI DAVINCI PLATFORM USING MICROPHONE ARRAYS**  
Kefeli H. C., Ertuerk S.  
IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Türkiye, 20 - 22 Nisan 2008, ss.416-419
- CXXIV. **Polyphase Downsampling Based Multiple Description Image Coding using Optimal Filtering with Flexible Redundancy Insertion**  
Ates C., Urgan Y., Demir B., URHAN O., ERTÜRK S.  
International Conference on Signals and Electronic Systems (ICSES 2008), Cracow, Polonya, 14 - 17 Eylül 2008, ss.193-196



- CXXV. **Facial Feature Matched One-bit Transform for Face Recognition**  
Celebi A. T., Demir B., Guellue M. K., Ertuerk S.  
IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Türkiye, 20 - 22 Nisan 2008, ss.244-247
- CXXVI. **ONE-DIMENSIONAL FILTERING AND FILTER COEFFICIENT COMPRESSION FOR OPTIMAL POST-PROCESS/IN-LOOP FILTER COEFFICIENT**  
AKBULUT O., Ertuerk S.  
IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Türkiye, 20 - 22 Nisan 2008, ss.653-656
- CXXVII. **The Influence of Kernel Principle Componets Based Feature Extraction on Hyperspectral Image Classification Accuracy**  
Yalcin E. Y., Ertuerk S.  
IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Türkiye, 20 - 22 Nisan 2008, ss.745-748
- CXXVIII. **Scene-cut detection using best fitting kernel and modified phase correlation methods En uygun çekirdek ve geliştirilmiş faz korelasyonu kullanarak ani sahne değişiminin algılanması**  
Ürgün Y., URHAN O., GÜLLÜ M. K., ERTÜRK S.  
2007 IEEE 15th Signal Processing and Communications Applications, SIU, Eskişehir, Türkiye, 11 - 13 Haziran 2007
- CXXIX. **Tracking the rotation of lab animals via computer vision Bilgisayarla görü ile deney hayvanlarında dönme hareketi takibi**  
Volkan Atli A., Kemal Güllü M., ERTÜRK S., KARSON A., ATEŞ N.  
2007 IEEE 15th Signal Processing and Communications Applications, SIU, Eskişehir, Türkiye, 11 - 13 Haziran 2007
- CXXX. **Texas Instruments DaVinci TM Platformunda Video Kodlama, İnternet Tarayıcı ve Çokluortam İletim Uygulamaları**  
TAŞYAPI ÇELEBİ A., KEFELİ C., ERTÜRK S.  
2007 IEEE 15th Signal Processing and Communications Applications, Eskişehir, Türkiye, 11 - 13 Haziran 2007
- CXXXI. **Progresses on the theoretical and experimental studies in Laser Technologies Research and Application Center in Kocaeli**  
AKMAN E., ATALAY B., CANDAN L., CANEL T., DEMİR A., DEMİR P., ERTÜRK S., Genc B., KAÇAR E., Kenar N., et al.  
6th International Conference of the Balkan-Physical-Union, İstanbul, Türkiye, 22 - 26 Ağustos 2006, cilt.899, ss.331-332
- CXXXII. **Scene-cut detection using best fitting kernel and modified phase correlation methods**  
Uerguen Y., URHAN O., Guellue M. K., Ertuerk S.  
IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Türkiye, 11 - 13 Haziran 2007, ss.1016-1019
- CXXXIII. **Phase correlation based supervised classification of hyperspectral images using multiple class representatives**  
Demir B., ERTÜRK S.  
IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Barcelona, İspanya, 23 - 27 Temmuz 2007, ss.2822-2824
- CXXXIV. **Tracking the rotation of lab animals via computer vision**  
Atla A. V., Guellue M. K., Ertuerk S., KARSON A., ATEŞ N.  
IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Türkiye, 11 - 13 Haziran 2007, ss.774-775
- CXXXV. **Wavelet denoising before support vector classification of hyperspectral images**  
Demir B., ERTÜRK S.  
IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Türkiye, 11 - 13 Haziran 2007, ss.1009-1012
- CXXXVI. **Enhanced block motion estimation based on frequency warping**  
AKBULUT O., URHAN O., ERTÜRK S.  
IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Türkiye, 11 - 13 Haziran

2007, ss.1035-1037

- CXXXVII. **Two-bit transform based block motion estimation using second derivatives**  
Kim N., ERTÜRK S., Lee H.  
IEEE International Conference on Multimedia and Expo (ICME 2007), Beijing, Çin, 2 - 05 Temmuz 2007, ss.1615-1616
- CXXXVIII. **More sparsity in hyperspectral SVM classification using unsupervised pre-segmentation in the training phase**  
Demir B., Ertuerk S.  
3rd International Conference on Recent Advances in Space Technologies, İstanbul, Türkiye, 14 - 16 Haziran 2007, ss.271-273
- CXXXIX. **Sparsity/accuracy trade-off for vector machine based hyperspectral classification**  
Demir B., ERTÜRK S.  
IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Türkiye, 11 - 13 Haziran 2007, ss.961-964
- CXL. **Video coding, web browser and multimedia transmission applications on Texas instruments DaVinci (TM) platform**  
Celebi A. T., Kefeli H. C., Ertuerk S.  
IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Türkiye, 11 - 13 Haziran 2007, ss.1091-1094
- CXLI. **Hyperspectral data classification using RVM with pre-segmentation and RANSAC**  
Demir B., Erturk S.  
IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Barcelona, İspanya, 23 - 27 Temmuz 2007, ss.1763-1766
- CXLII. **Implementation of Constrained 1-Bit Transform based motion estimation algorithm with an FPGA based architecture**  
ÇELEBİ A., URHAN O., ERTÜRK S., Duendar G.  
IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Türkiye, 11 - 13 Haziran 2007, ss.1005-1006
- CXLIII. **Blotch removal for archive films Arçiv filmlerinde kir etkisinin onarimi**  
GÜLLÜ M. K., URHAN O., Kefeli H. C., ERTÜRK S.  
2006 IEEE 14th Signal Processing and Communications Applications, Antalya, Türkiye, 17 - 19 Nisan 2006, cilt.2006
- CXLIV. **Scratch Detection via Temporal Coherency Analysis and Removal by Edge Priority Based Interpolation**  
GÜLLÜ M. K., URHAN O., ERTÜRK S.  
IEEE International Symposium on Circuits and Systems, (ISCAS-2006), 21 - 24 Mayıs 2006
- CXLV. **Pixel domain spatio-temporal denoising for archive videos**  
GÜLLÜ M. K., URHAN O., ERTÜRK S.  
ISCIS 2006: 21th International Symposium on Computer and Information Sciences, İstanbul, Türkiye, 1 - 03 Kasım 2006, ss.493-502
- CXLVI. **Fast sub-pixel motion estimation by means of one-bit transform**  
AKBULUT O., URHAN O., ERTÜRK S.  
21st International Symposium on Computer and Information Sciences (ISCIS 2006), İstanbul, Türkiye, 1 - 03 Kasım 2006, cilt.4263, ss.503-505
- CXLVII. **Block motion estimation using modified two-bit transform**  
Demir B., Erturk S.  
21st International Symposium on Computer and Information Sciences (ISCIS 2006), İstanbul, Türkiye, 1 - 03 Kasım 2006, cilt.4263, ss.522-524
- CXLVIII. **Scratch detection via temporal coherency analysis and removal using edge priority based interpolation**  
GÜLLÜ M. K., URHAN O., ERTÜRK S.  
IEEE International Symposium on Circuits and Systems, Kos, Yunanistan, 21 - 24 Mayıs 2006, ss.4591-4592

- CXLIX. Wavelet domain one-bit transform for low-complexity motion estimation**  
Ertuerk S., Chang T. G.  
IEEE International Symposium on Circuits and Systems, Kos, Yunanistan, 21 - 24 Mayıs 2006, ss.3970-3971
- CL. Fast sub-pixel motion estimation via one-bit transform**  
AKBULUT O., URHAN O., ERTÜRK S.  
IEEE 14th Signal Processing and Communications Applications, Antalya, Türkiye, 16 - 19 Nisan 2006, ss.710-711
- CLI. 3-dimensional modelling and visualization of cultural assets for e-government**  
Yildirim I., Demir B., ERTÜRK S.  
IEEE 14th Signal Processing and Communications Applications, Antalya, Türkiye, 16 - 19 Nisan 2006, ss.960-961
- CLII. Blotch removal for archive films**  
GÜLLÜ M. K., URHAN O., Kefeli H. C., ERTÜRK S.  
IEEE 14th Signal Processing and Communications Applications, Antalya, Türkiye, 16 - 19 Nisan 2006, ss.313-314
- CLIII. Flexible multiple description 3-D model coding using wavelet subdivision surfaces**  
Demir B., ERTÜRK S.  
IEEE 14th Signal Processing and Communications Applications, Antalya, Türkiye, 16 - 19 Nisan 2006, ss.599-600
- CLIV. Image processing supported tensile test for analysis of crack propagation in polypropylene material  
Polipropilen malzemede çatlak ilerlemesinin görüntü işleme destekli çekme testi ile değerlendirilmesi**  
Coşar S., URHAN O., ERTÜRK S., SINMAZÇELİK T.  
IEEE 13th Signal Processing and Communications Applications Conference, SIU 2005, Kayseri, Türkiye, 16 - 18 Mayıs 2005, cilt.2005, ss.87-90
- CLV. Blotch detection and removal for archive video restoration**  
GÜLLÜ M. K., URHAN O., ERTÜRK S.  
20th International Symposium on Computer and Information Sciences, ISCIS 2005, İstanbul, Türkiye, 26 - 28 Ekim 2005, ss.739-747
- CLVI. Wear condition monitoring of cutting tool using image processing Kesici takım aşınmasının görüntü işleme ile belirlenmesi**  
Atli A. V., URHAN O., ERTÜRK S., Sönmez M.  
IEEE 13th Signal Processing and Communications Applications Conference, SIU 2005, Kayseri, Türkiye, 16 - 18 Mayıs 2005, cilt.2005, ss.84-86
- CLVII. Flicker removal for archive films Arşiv filmlerinde kirpişma etkisinin giderilmesi**  
GÜLLÜ M. K., URHAN O., ERTÜRK S.  
IEEE 13th Signal Processing and Communications Applications Conference, SIU 2005, Kayseri, Türkiye, 16 - 18 Mayıs 2005, cilt.2005, ss.155-158
- CLVIII. Dissolve detection for archive films Arşiv Filmlerinde Zincirleme Sahne Geçişlerinin Algılanması**  
GÜLLÜ M. K., URHAN O., ERTÜRK S.  
Proceedings of the IEEE 12th Signal Processing and Communications Applications Conference, SIU 2004, Kusadasi, Türkiye, 28 - 30 Nisan 2004, ss.510-513
- CLIX. Scene cut detection for archive films using phase correlation Faz Korelasyonu Kullanarak Arşiv Filmlerinde Ani Sahne Değişimlerinin Algılanması**  
URHAN O., GÜLLÜ M. K., ERTÜRK S.  
Proceedings of the IEEE 12th Signal Processing and Communications Applications Conference, SIU 2004, Kusadasi, Türkiye, 28 - 30 Nisan 2004, ss.343-346
- CLX. 3-dimensional object modeling with mesh simplification based resolution adjustment**  
Ulucay O., Erturk S.  
2nd International Symposium on 3D Data Processing, Visualization, and Transmission (3DPVI 2004), Thessaloniki, Yunanistan, 6 - 09 Eylül 2004, ss.132-138
- CLXI. A VLSI Implementation for Fast All Boolean Motion Estimation Based on Pre Coded Imag Planes Matching**  
Çelebi A., Ertürk S., Tangel A.  
3rd International Conference on Electrical and Electronics Engineering (ELECO'2003), Bursa, Türkiye, 3 - 07 Aralık

2003, cilt.1, ss.36-40

- CLXII. **Motion estimation by pre-coded image planes matching**  
Erturk S.  
IEEE International Conference on Image Processing, Barcelona, İspanya, 14 - 17 Eylül 2003, ss.347-350
- CLXIII. **Locally refined Gray-coded bit-plane matching for block motion estimation**  
Erturk S.  
3rd International Symposium on Image and Signal Processing and Analysis (ISPA), Rome, İtalya, 18 - 20 Eylül 2003, ss.128-133
- CLXIV. **Bulanık Denetleç Uygulaması Kullanan Kalman Filtresi ile Görüntü Stabilizasyonu**  
GÜLLÜ M. K., YALÇIN E., ERTÜRK S.  
Elektrik-Elektronik-Bilgisayar Mühendisliği Sempozyumu, Türkiye, 18 Aralık 2002, ss.1-5
- CLXV. **Görüntü Stabilizasyonu için Paralel İşlev Gören İki Kalman Filtresiyle İşlem Gürültü Varyansının Adaptifleştirilmesi**  
YALÇIN E., ERTÜRK S.  
Sinyal İşleme ve İletişim Uygulamaları, Türkiye, 12 Haziran 2002
- CLXVI. **Image Stabilisation by Kalman Filtering using A Constant Velocity Camera Model with Adaptive Process Noise**  
YALÇIN E., ERTÜRK S.  
International Conference on Electrical and Electronics Engineering, 07 Kasım 2001, ss.152-157
- CLXVII. **Kalman Filtresi ile Görüntü Stabilizasyonu**  
YALÇIN E., ERTÜRK S., Tekin F.  
EEBM 9. Ulusal Konferansı, Türkiye, 19 Eylül 2001, ss.557-560
- CLXVIII. **Image sequence stabilisation: Motion vector integration (MVI) versus frame position smoothing (FPS)**  
Erturk S.  
2nd International Symposium on Image and Signal Processing and Analysis (ISPA 2001), Pula, Hırvatistan, 19 - 21 Haziran 2001, ss.266-271

## Desteklenen Projeler

ERTÜRK S., Yükseköğretim Kurumları Destekli Proje, Mühendislik Fakültesi Eğitim ve Araştırma Süreçlerinin İyileştirilmesi ve Etkinleştirilmesine Yönelik Teknoloji Kullanımı Tabanlı Prototip Uygulamalar Geliştirilmesi, 2013 - 2015  
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## Akademi Dışı Deneyim

Chung-Ang University