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Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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ScopusID: 6701890979

Yoksis Araştırmacı ID: 27988



Eğitim Bilgileri

1992 - 1997	Doktora, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Ve Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), Türkiye
1991 - 1992	Yüksek Lisans, Imperial College of Science, Technology and Medicine, Elektrik Ve Elektronik Mühendisliği, Birleşik Krallık
1986 - 1990	Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye

Yabancı Diller

İngilizce, C1 İleri

Araştırma Alanları

Bilgisayar Bilimleri, Yapay Zeka, Bilgisayarda Öğrenme ve Örüntü Tanıma, Örüntü Tanıma ve Görüntü İşleme , Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

2010 - Devam Ediyor	Prof. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik ve Elektronik Mühendisliği Bölümü
2004 - 2010	Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik ve Elektronik Mühendisliği Bölümü
2000 - 2004	Yrd. Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik ve Elektronik Mühendisliği Bölümü
1998 - 2000	Öğretim Görevlisi Dr., New Jersey Institute of Technology
1997 - 1998	Öğretim Görevlisi Dr., Rensselaer Polytechnic Institute

1993 - 1997

Araştırma Görevlisi, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü

Akademik İdari Deneyim

2014 - Devam Ediyor

Uygulama ve Araştırma Merkezi Müdürü, Orta Doğu Teknik Üniversitesi

2008 - 2013

Bölüm Başkan Yardımcısı, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü

Yönetilen Tezler

2023

Alatan A. A., Yüksek Lisans, A.GÖRGÜN(Öğrenci), Interpreting convolutional blocks as feature embedding by template matching for image recognition

2023

Alatan A. A., Yüksek Lisans, S.BURAK(Öğrenci), Brain-inspired learning for face analysis in artificial neural networks: A multitask and continual learning framework

2023

Alatan A. A., Doktora, M.ERGÜL(Öğrenci), Visual semantic segmentation with diminished supervision

2022

ALATAN A. A., Doktora, Y.ZİYA(Öğrenci), Novel optimization models to generalize deep metric learning

2022

ALATAN A. A., Yüksek Lisans, Ç.CAN(Öğrenci), Utilization of dense depth information for monoview object detection and instance segmentation

2022

ALATAN A. A., Yüksek Lisans, U.OĞUZMAN(Öğrenci), An analysis of stereo depth estimation utilizing attention mechanisms, self-supervised pose estimators & temporal predictions

2022

ALATAN A. A., Yüksek Lisans, O.SELİM(Öğrenci), Utilization of event based cameras for video frame interpolation

2021

ALATAN A. A., Yüksek Lisans, A.KÖKSAL(Öğrenci), Moving object detection with supervised learning methods

2021

ALATAN A. A., Yüksek Lisans, K.KARAMAN(Öğrenci), Deep metric learning with distance sensitive entangled triplet losses

2021

ALATAN A. A., Yüksek Lisans, İ.EMRE(Öğrenci), Semantic color constancy

2021

Kalkan S., Alatan A. A., Yüksek Lisans, İ.HAKKI(Öğrenci), An Analysis on the Effect of Dynamic Range on Object Detection with Deep Neural Networks

2021

ALATAN A. A., Yüksek Lisans, U.EFE(Öğrenci), A novel learning-based image matching approach based on mutual nearest neighbor search with ratio test

2020

Kalkan S., Alatan A. A., Yüksek Lisans, M.ESAT(Öğrenci), EXPLORING DEEP SPATIO-TEMPORAL FUSION ARCHITECTURES TOWARDS LATE TEMPORAL MODELING OF HUMAN ACTION RECOGNITION

2020

Kalkan S., Alatan A. A., Yüksek Lisans, A.EREN(Öğrenci), A Thorough Analysis of Unsupervised Depth and Ego-motion Estimation

2020

ALATAN A. A., Yüksek Lisans, E.Can(Öğrenci), Yarı denetimli eğitilmiş katlamalı filtreler ile görsel obje takibi

2018

ALATAN A. A., Yüksek Lisans, M.KÜTÜK(Öğrenci), Superpixel-based target detection methods for hyperspectral images

2018

ALATAN A. A., Yüksek Lisans, O.BARUT(Öğrenci), Geospatial object recognition using deep networks for satellite images

2018

ALATAN A. A., Yüksek Lisans, E.CAN(Öğrenci), Visual object detection and tracking using local convolutional context features and recurrent neural networks

2018

ALATAN A. A., Yüksek Lisans, O.CAN(Öğrenci), Metric learning using deep recurrent networks for visual clustering and retrieval

- 2017 ALATAN A. A., VURAL E., Yüksek Lisans, E.BAYRAM(Öğrenci), Spectral graph based approach for analysis of 3D LIDAR point clouds
- 2017 ALATAN A. A., Yüksek Lisans, A.ÇALIŞKAN(Öğrenci), Stratified calibration and group synchronized focal length estimation for structure from motion algorithms
- 2017 ALATAN A. A., Doktora, K.GÖKALP(Öğrenci), Superpixel based image sequence representation and motion estimation
- 2017 ALATAN A. A., Doktora, E.GÜNDOĞDU(Öğrenci), Good features to correlate for visual tracking
- 2015 ALATAN A. A., Yüksek Lisans, İ.BUZCU(Öğrenci), Representing images and regions for object recognition
- 2015 ALATAN A. A., Doktora, A.SARACOĞLU(Öğrenci), Robust content-based copy detection and information theoretic indexing strategies
- 2015 ALATAN A. A., Yüksek Lisans, B.BEŞBİNAR(Öğrenci), Hierarchical representations for visual object tracking by detection
- 2014 ALATAN A. A., Yüksek Lisans, E.BATI(Öğrenci), Deep convolutional neural networks with an application towards geospatial object recognition
- 2014 ALATAN A. A., Yüksek Lisans, Y.Ziya(Öğrenci), Örtmeleri gözeterek $O(1)$ karmaşıklıkta stereo eşleme.
- 2014 ALATAN A. A., Doktora, O.SERDAR(Öğrenci), Accurate 3D tracking using visual and depth data
- 2014 ALATAN A. A., Yüksek Lisans, E.TUNALI(Öğrenci), Saliency-based visual tracking using correlation filters for surveillance applications
- 2014 ALATAN A. A., Yüksek Lisans, Y.ZİYA(Öğrenci), Occlusion aware stereo matching with $O(1)$ complexity
- 2014 ALATAN A. A., Doktora, B.OĞUZ(Öğrenci), Planar 3D scene representations for depth compression
- 2013 ALATAN A. A., Yüksek Lisans, O.ŞENER(Öğrenci), An efficient graph-theoretical approach for interactive mobile image and video segmentation
- 2013 ALATAN A. A., Doktora, H.EMRAH(Öğrenci), Superpixel based efficient image representation for segmentation and classification
- 2013 ALATAN A. A., Yüksek Lisans, T.MARPUÇ(Öğrenci), Tracking by classification
- 2013 ALATAN A. A., Doktora, S.SIRTKAYA(Öğrenci), Visual-inertial sensor fusion for 3D urban modeling
- 2013 ALATAN A. A., Yüksek Lisans, Y.AKSOY(Öğrenci), Efficient inertially aided visual odometry towards mobile augmented reality
- 2013 ALATAN A. A., Doktora, O.TOPÇU(Öğrenci), Occlusion-aware 3D multiple object tracking for visual surveillance
- 2012 ALATAN A. A., Doktora, Y.YAŞAROĞLU(Öğrenci), Steganography through perspective invariance
- 2012 ALATAN A. A., Yüksek Lisans, E.GÜNDOĞDU(Öğrenci), Feature detection and matching towards augmented reality applications on mobile devices
- 2012 ALATAN A. A., Doktora, C.ÇIĞLA(Öğrenci), Real-time stereo to multi-view video conversion
- 2012 ALATAN A. A., Doktora, Ö.DENİZ(Öğrenci), A complexity-utility framework for optimizing quality of experience for visual content in mobile devices
- 2012 ALATAN A. A., Yüksek Lisans, D.ARSLAN(Öğrenci), Global appearance based airplane detection from satellite imagery
- 2012 ALATAN A. A., Doktora, Y.ATASEVEN(Öğrenci), Digital surface models from spaceborne images without ground control
- 2012 ALATAN A. A., Yüksek Lisans, M.ERGÜL(Öğrenci), A fully automatic shape based geo-spatial object recognition
- 2012 ALATAN A. A., Yüksek Lisans, K.ARDA(Öğrenci), Vision-assisted object tracking
- 2012 ALATAN A. A., Yüksek Lisans, G.ÇETİNKAYA(Öğrenci), A comparative study on pose estimation algorithms using visual data

- 2012 ALATAN A. A., Doktora, M.SOYSAL(Öğrenci), Joint utilization of local appearance descriptors and semi-local geometry for multi-view object recognition
- 2011 ALATAN A. A., Yüksek Lisans, Ç.AYTEKİN(Öğrenci), Geo-spatial object detection using local descriptors
- 2011 ALATAN A. A., Doktora, N.YALÇIN(Öğrenci), Range data recognition: Segmentation, matching, and similarity retrieval
- 2010 ALATAN A. A., Doktora, E.ESEN(Öğrenci), Quantization based data hiding strategies with visual applications
- 2010 ALATAN A. A., ÇİLOĞLU T., Yüksek Lisans, A.ERTÜRK(Öğrenci), Rotation, scale and rotation invariant automatic target recognition using template matching for satellite imagery
- 2010 ALATAN A. A., Yüksek Lisans, T.Kağan(Öğrenci), İki görüntülü video ve uçuş süresi kamerası ile gerçek zamanlı gelişigüzel görü imgesi oluşturulması.
- 2010 ALATAN A. A., Yüksek Lisans, A.ŞEREF(Öğrenci), Shadow detection and compensation in aerial images with an application to building height estimation
- 2010 ALATAN A. A., HALICI U., Yüksek Lisans, M.ÇETİN(Öğrenci), Extraction of buildings in satellite images
- 2010 ALATAN A. A., Yüksek Lisans, T.KAĞAN(Öğrenci), Real-time arbitrary view rendering from stereo video and time-of-flight camera
- 2009 ALATAN A. A., Yüksek Lisans, K.GÖKALP(Öğrenci), Computer simulation and implementation of a visual 3-D eye gaze tracker for autostereoscopic displays
- 2009 ALATAN A. A., Yüksek Lisans, B.GÜNYEL(Öğrenci), Motion Compensated Frame Rate Up Conversion Via Block Based Motion Estimation With Occlusion Handling
- 2008 ALATAN A. A., Yüksek Lisans, E.EMİR(Öğrenci), A comparative performance evaluation of scale invariant interest point detectors for infrared and visual images
- 2008 ALATAN A. A., Yüksek Lisans, E.VURAL(Öğrenci), Robust extraction of sparse 3D points from image sequences
- 2008 ALATAN A. A., Yüksek Lisans, E.AŞAN(Öğrenci), Video shot boundary detection by graph theoretic approaches
- 2008 ALATAN A. A., Yüksek Lisans, E.TÜRETKEN(Öğrenci), Motion segmentation and its applications to depth ordering and frame rate up-conversion
- 2007 ALATAN A. A., Yüksek Lisans, A.SARACOĞLU(Öğrenci), Localization and recognition of text in digital media
- 2007 ALATAN A. A., Doktora, A.Koz(Öğrenci), Üç boyut gösterimler için görünmez damgalama yöntemleri.
- 2007 ALATAN A. A., Yüksek Lisans, C.ÇİĞLA(Öğrenci), Dense depth map estimation for object segmentation in multi-view video
- 2007 ALATAN A. A., Doktora, E.İMRE(Öğrenci), Prioritized 3D scene reconstruction and rate-distortion efficient representation for video sequences
- 2007 ALATAN A. A., Yüksek Lisans, O.AKMAN(Öğrenci), Multi-camera video surveillance: Detection, occlusion handling, tracking and event recognition
- 2006 ALATAN A. A., Yüksek Lisans, B.Oğuz(Öğrenci), Sık derinlik haritası ile çok-görüntülü video kodlaması.
- 2005 ALATAN A. A., Yüksek Lisans, B.Birant(Öğrenci), Güvenlik amaçlı video sistemlerinde hareketli neslerin tanınması ve olay analizi
- 2005 ALATAN A. A., Yüksek Lisans, E.Tola(Öğrenci), Bağımsız olarak hareket eden nesnelere içeren bir sahnenin çoklu resimlerden 3 boyutlu sahne yapısının çıkarılması
- 2004 ALATAN A. A., Yüksek Lisans, O.Ersoy(Öğrenci), Geliştirilmiş bölge modellemesiyle resim bölütleme
- 2004 ALATAN A. A., Yüksek Lisans, T.Makbule(Öğrenci), Kızılötesi görüntülerde otomatik hedef tanıma.

2004	ALATAN A. A., Yüksek Lisans, S.Sırtkaya(Öğrenci), 2 boyutlu ve 3 boyutlu sahnelerde hareketli nesne tespiti.
2004	ALATAN A. A., Yüksek Lisans, İ.Bayram(Öğrenci), Rasgele görüntülerde ilgi noktası eşleme.
2003	ALATAN A. A., Yüksek Lisans, Y.Yaşaroğlu(Öğrenci), İçerik tabanlı çokluortam endekslemesi için ses ve görüntü bilgisi yardımıyla saklı Markov modeli kullanarak video özetleme
2003	ALATAN A. A., Yüksek Lisans, A.Yılmaz(Öğrenci), Bilgi saklama ile dayanıklı video iletimi
2003	ALATAN A. A., Yüksek Lisans, Ö.Deniz(Öğrenci), Kaynakları sınırlı cihazlara yönelik fayda kuramına dayanan video adaptasyonu
2003	ALATAN A. A., Yüksek Lisans, A.Bahtiyar(Öğrenci), Boyut indirgeme yoluyla bütüncü yüz tanıma
2003	ALATAN A. A., Yüksek Lisans, M.Soyal(Öğrenci), Anlamsal tanımlamalar için görüntü öznitelikleri birleştirme
2002	ALATAN A. A., Yüksek Lisans, F.BORAY(Öğrenci), Face detection using learning networks
2002	ALATAN A. A., Yüksek Lisans, A.KOZ(Öğrenci), Digital watermarking based on human visual system
2002	ALATAN A. A., Yüksek Lisans, E.TAŞLIDERE(Öğrenci), Face detection using a mixture of subspaces
2002	ALATAN A. A., Yüksek Lisans, S.TEKİNALP(Öğrenci), Detecting and recognizing text from video frames
2001	ALATAN A. A., Yüksek Lisans, B.KEPENEKÇİ(Öğrenci), Face recognition using Gabor wavelet transform

Araştırma Altyapısı Bilgileri

Ağustos 2014

Alatan A. A., Görüntü Analizi Uygulama ve Araştırma Merkezi

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **TMO-Det: Deep tone-mapping optimized with and for object detection**
Kocdemir I. H., Koz A., AKYÜZ A. O., Chalmers A., ALATAN A. A., Kalkan S.
Pattern Recognition Letters, cilt.172, ss.230-236, 2023 (SCI-Expanded)
- II. **Ground-based Hyperspectral Image Surveillance System for Explosive Detection: Methods, Experiments, and Comparisons**
Kütük M., Geneci I., Özdemir O. B., Koz A., Esentürk O., Cetin Y. Y., Alatan A. A.
IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, cilt.16, ss.8747-8763, 2023 (SCI-Expanded)
- III. **Vision-based estimation of the number of occupants using video cameras**
Dino İ., Kalfaoglu E., Iseri O. K., Erdogan B., Kalkan S., Alatan A. A.
Advanced Engineering Informatics, cilt.53, 2022 (SCI-Expanded)
- IV. **Image-based construction of building energy models using computer vision**
GÜRSEL DİNO İ., Sari A. E., Iseri O. K., Akin S., Kalfaoglu E., Erdogan B., KALKAN S., ALATAN A. A.
AUTOMATION IN CONSTRUCTION, cilt.116, 2020 (SCI-Expanded)
- V. **Fine-grained recognition of maritime vessels and land vehicles by deep feature embedding**
Solmaz B., Gundogdu E., Yucesoy V., Koc A., Alatan A. A.
IET COMPUTER VISION, cilt.12, ss.1121-1132, 2018 (SCI-Expanded)
- VI. **Analysis of Airborne LiDAR Point Clouds With Spectral Graph Filtering**
Bayram E., Frossard P., Vural E., Alatan A. A.
IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, cilt.15, ss.1284-1288, 2018 (SCI-Expanded)
- VII. **Good Features to Correlate for Visual Tracking**
Gundogdu E., Alatan A. A.
IEEE TRANSACTIONS ON IMAGE PROCESSING, cilt.27, ss.2526-2540, 2018 (SCI-Expanded)

- VIII. **Extending Correlation Filter-Based Visual Tracking by Tree-Structured Ensemble and Spatial Windowing**
Gundogdu E., Özkan H., Alatan A. A.
IEEE TRANSACTIONS ON IMAGE PROCESSING, cilt.26, ss.5270-5283, 2017 (SCI-Expanded)
- IX. **Comparison of 3D local and global descriptors for similarity retrieval of range data**
Bayramoglu N., Alatan A. A.
NEUROCOMPUTING, cilt.184, ss.13-27, 2016 (SCI-Expanded)
- X. **Joint utilization of local appearance and geometric invariants for 3D object recognition**
Soysal M., Alatan A. A.
MULTIMEDIA TOOLS AND APPLICATIONS, cilt.74, ss.2611-2637, 2015 (SCI-Expanded)
- XI. **Convexity constrained efficient superpixel and supervoxel extraction**
Tasli H. E., Çiğla C., Alatan A. A.
SIGNAL PROCESSING-IMAGE COMMUNICATION, cilt.33, ss.71-85, 2015 (SCI-Expanded)
- XII. **3D Planar Representation of Stereo Depth Images for 3DTV Applications**
Ozkalayci B. O., Alatan A. A.
IEEE TRANSACTIONS ON IMAGE PROCESSING, cilt.23, ss.5222-5232, 2014 (SCI-Expanded)
- XIII. **Multimodal concept detection in broadcast media: KavTan**
SOYSAL M., Logoglu K. B., TEKİN M., ESEN E., SARACOĞLU A., Acar B. O., Ozan E. C., Ates T. K., SEVİMLİ H., SEVİNÇ M., et al.
MULTIMEDIA TOOLS AND APPLICATIONS, cilt.72, sa.3, ss.2787-2832, 2014 (SCI-Expanded)
- XIV. **An efficient recursive edge-aware filter**
Cigla C., Alatan A. A.
SIGNAL PROCESSING-IMAGE COMMUNICATION, cilt.29, ss.998-1014, 2014 (SCI-Expanded)
- XV. **Efficient MRF Energy Propagation for Video Segmentation via Bilateral Filters**
Sener O., Ugur K., Alatan A. A.
IEEE TRANSACTIONS ON MULTIMEDIA, cilt.16, ss.1292-1302, 2014 (SCI-Expanded)
- XVI. **User assisted disparity remapping for stereo images**
Tasli H. E., Alatan A. A.
SIGNAL PROCESSING-IMAGE COMMUNICATION, cilt.28, ss.1374-1389, 2013 (SCI-Expanded)
- XVII. **Information permeability for stereo matching**
Cigla C., Alatan A. A.
SIGNAL PROCESSING-IMAGE COMMUNICATION, cilt.28, ss.1072-1088, 2013 (SCI-Expanded)
- XVIII. **3-D Rigid Body Tracking Using Vision and Depth Sensors**
Gedik O. S., Alatan A. A.
IEEE TRANSACTIONS ON CYBERNETICS, cilt.43, ss.1395-1405, 2013 (SCI-Expanded)
- XIX. **Introduction to the Issue on Emerging Techniques in 3-D**
Alatan A. A., Ostermann J., ONURAL L., AlRegib G., Mattocchia S., Yuan C.
IEEE JOURNAL OF SELECTED TOPICS IN SIGNAL PROCESSING, cilt.6, sa.5, ss.409-410, 2012 (SCI-Expanded)
- XX. **Dominant sets based movie scene detection**
SAKARYA U., Telatar Z., ALATAN A. A.
SIGNAL PROCESSING, cilt.92, sa.1, ss.107-119, 2012 (SCI-Expanded)
- XXI. **Comparison of Forbidden Zone Data Hiding and Quantization Index Modulation**
Esen E., Alatan A. A.
DIGITAL SIGNAL PROCESSING, cilt.22, ss.181-189, 2012 (SCI-Expanded)
- XXII. **Robust Video Data Hiding Using Forbidden Zone Data Hiding and Selective Embedding**
Esen E., Alatan A. A.
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, cilt.21, ss.1130-1138, 2011 (SCI-Expanded)
- XXIII. **Joint Utilization of Appearance, Geometry and Chance for Scene Logo Retrieval**
Soysal M., ALATAN A. A.
COMPUTER JOURNAL, cilt.54, sa.7, ss.1221-1231, 2011 (SCI-Expanded)

- XXIV. **Watermarking of Free-view Video**
Koz A., Cigla C., Alatan A. A.
IEEE TRANSACTIONS ON IMAGE PROCESSING, cilt.19, ss.1785-1797, 2010 (SCI-Expanded)
- XXV. **Rate-Distortion Efficient Piecewise Planar 3-D Scene Representation From 2-D Images**
Imre E., Alatan A. A., Gueduekbay U.
IEEE TRANSACTIONS ON IMAGE PROCESSING, cilt.18, ss.483-494, 2009 (SCI-Expanded)
- XXVI. **Special issue on advances in three-dimensional television and video: Guest editorial**
Gudukbay U., Alatan A. A.
SIGNAL PROCESSING-IMAGE COMMUNICATION, cilt.24, ss.1-2, 2009 (SCI-Expanded)
- XXVII. **Error detection and concealment for video transmission using information hiding**
YILMAZ A., Alatan A. A.
SIGNAL PROCESSING-IMAGE COMMUNICATION, cilt.23, sa.4, ss.298-312, 2008 (SCI-Expanded)
- XXVIII. **Oblivious spatio-temporal watermarking of digital video by exploiting the human visual system**
Koz A., Alatan A. A.
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, cilt.18, ss.326-337, 2008 (SCI-Expanded)
- XXIX. **Scene representation technologies for 3DTV - A survey**
Alatan A. A., Yemez Y., Gueduekbay U., Zabulis X., Mueller K., ERDEM C. E., WEIGEL C., SMOLIĆ A.
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, cilt.17, sa.11, ss.1587-1605, 2007 (SCI-Expanded)
- XXX. **3-d time-varying scene capture technologies - A survey**
STOYKOVA E., Alatan A. A., BENZIE P., GRAMMALIDIS N., MALASSIOTIS S., OSTERMANN J., PIEKH S., Sainov V., THEOBALT C., THEVAR T., et al.
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, cilt.17, sa.11, ss.1568-1586, 2007 (SCI-Expanded)
- XXXI. **Towards 3-D scene reconstruction from broadcast video**
Imre E., KNORR S., ÖZKALAYCI B., TOPAY U., Alatan A. A., SIKORA T.
SIGNAL PROCESSING-IMAGE COMMUNICATION, cilt.22, sa.2, ss.108-126, 2007 (SCI-Expanded)
- XXXII. **Fast Outlier rejection by using parallax-based rigidity constraint for epipolar geometry estimation**
Tola E., Alatan A. A.
MULTIMEDIA CONTENT REPRESENTATION, CLASSIFICATION AND SECURITY, cilt.4105, ss.578-585, 2006 (SCI-Expanded)
- XXXIII. **Recognizing events in an automated surveillance system**
Orten B., Alatan A. A., Ciloglu T.
MULTIMEDIA CONTENT REPRESENTATION, CLASSIFICATION AND SECURITY, cilt.4105, ss.434-441, 2006 (SCI-Expanded)
- XXXIV. **Combining MPEG-7 based visual experts for reaching semantics**
Soysal M., Alatan A.
VISUAL CONTENT PROCESSING AND REPRESENTATION, PROCEEDINGS, cilt.2849, ss.66-75, 2003 (SCI-Expanded)
- XXXV. **Summarizing video: Content, features, and HMM topologies**
Yasaroglu Y., Alatan A.
VISUAL CONTENT PROCESSING AND REPRESENTATION, PROCEEDINGS, cilt.2849, ss.101-110, 2003 (SCI-Expanded)
- XXXVI. **Robot mimicking: A visual approach for human machine interaction**
Uskarci A., Alatan A., Dindaroglu M., Ersak A.
COMPUTER AND INFORMATION SCIENCES - ISCIS 2003, cilt.2869, ss.474-481, 2003 (SCI-Expanded)
- XXXVII. **Multi-modal dialog scene detection using hidden Markov models for content-based multimedia indexing**
Alatan A. A., AKANSU A. N., WOLF W.
MULTIMEDIA TOOLS AND APPLICATIONS, cilt.14, sa.2, ss.137-151, 2001 (SCI-Expanded)
- XXXVIII. **Unequal error protection of SPIHT encoded image bit streams**

- Alatan A. A., ZHAO M. Y., AKANSU A. N.
IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, cilt.18, sa.6, ss.814-818, 2000 (SCI-Expanded)
- XXXIX. **Image sequence analysis for emerging interactive multimedia services - The European COST 211 framework**
Alatan A. A., ONURAL L., WOLLBORN M., MECH R., TUNCEL E., Sikora T.
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, cilt.8, sa.7, ss.802-813, 1998 (SCI-Expanded)
- XL. **Estimation of depth fields suitable for video compression based on 3-D structure and motion of objects**
Alatan A. A., Onural L.
IEEE TRANSACTIONS ON IMAGE PROCESSING, cilt.7, sa.6, ss.904-908, 1998 (SCI-Expanded)
- XLI. **3-D motion estimation of rigid objects for video coding applications using an improved iterative version of the E-matrix method**
Alatan A. A., Onural L.
IEEE SIGNAL PROCESSING LETTERS, cilt.5, sa.2, ss.36-38, 1998 (SCI-Expanded)

Kitap & Kitap Bölümleri

- I. **3D Watermarking: Techniques and Directions**
KOZ A., Triantafyllidis G., ALATAN A. A.
Three-Dimensional Television, Ozaktas H.M., Onural L., Editör, Springer, Berlin, ss.427-470, 2020
- II. **Next Generation Frame Rate Conversion Algorithms**
Gedik O. S., Türetken E., Alatan A. A.
High-Quality Visual Experience, M. Mrak, M. Grgic, M. Kunt, Editör, Springer, London/Berlin, London, ss.219-244, 2010
- III. **Video Adaptation Based on Content Characteristics and Hardware Capabilities**
Önür Ö. D., Alatan A. A.
Advances in Semantic Media Adaptation and Personalization, Volume 2, Angelides Marios C, Mylonas Phivos, Wallace Manolis, Editör, CRC, New York, New York, ss.67-95, 2009
- IV. **Gibbs Model Based 3D Motion and Structure Estimation for Object-Based Video Coding Applications**
Alatan A. A., Onural L.
Video Data Compression for Multimedia Computing, Statistically Based and Biologically Inspired Techniques, Li Hua Harry, Sun Shan Sun, Derin Haluk, Editör, Springer, London/Berlin, New York, ss.355-393, 1997

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **BI-DIRECTIONAL TRACKLET EMBEDDING FOR MULTI-OBJECT TRACKING**
BİLGİ H. Ç., ALATAN A. A.
IEEE International Conference on Image Processing, Abu Dhabi, Birleşik Arap Emirlikleri, 17 Ekim 2024
- II. **Causal Transformer for Fusion and Pose Estimation in Deep Visual Inertial Odometry**
Akman A., ALATAN A. A., KURT Y. B.
ECCV 2024 Workshop on Vision-Centric Autonomous Driving (VCAD), Milan, İtalya, 30 Eylül 2024
- III. **IG-SLAM: Instant Gaussian SLAM**
Sarıkamış F. A., ALATAN A. A.
ECCV 2024 Workshop on Dense Neural SLAM (NeuSLAM), Milan, İtalya, 29 Eylül 2024
- IV. **XoFTR: Cross-modal Feature Matching Transformer**
Tuzcuoğlu Ö., Köksal A., Sofu B., Kalkan S., Alatan A. A.
Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition, Washington, Amerika Birleşik Devletleri, 17 - 21 Haziran 2024, ss.4275-4286

- V. **Deep Metric Learning with Chance Constraints**
GÜRBÜZ Y. Z., ALATAN A. A., CAN O.
Winter Conference on Applications of Computer Vision, Waikoloa, Hawaii, Amerika Birleşik Devletleri, 4 - 08 Ocak 2024
- VI. **Knowledge Distillation Layer that Lets the Student Decide**
GÖRGÜN A., GÜRBÜZ Y. Z., ALATAN A. A.
British Machine Vision Conference (BMVC) 2023, Aberdeen, İngiltere, 20 Kasım 2023
- VII. **GENERALIZABLE EMBEDDINGS WITH CROSS-BATCH METRIC LEARNING**
GÜRBÜZ Y. Z., ALATAN A. A.
IEEE International Conference on Image Processing, Kuala-Lumpur, Malezya, 08 Ekim 2023
- VIII. **Generalized Sum Pooling for Metric Learning**
GÜRBÜZ Y. Z., ŞENER O., ALATAN A. A.
IEEE/CVF International Conference on Computer Vision (ICCV), Paris, Fransa, 02 Ekim 2023, ss.5462-5473
- IX. **E-VFIA: Event-Based Video Frame Interpolation with Attention**
Kiliç O. S., Akman A., Alatan A. A.
2023 IEEE International Conference on Robotics and Automation, ICRA 2023, London, İngiltere, 29 Mayıs - 02 Haziran 2023, cilt.2023-May, ss.8284-8290
- X. **Improved Hard Example Mining Approach for Single Shot Object Detectors**
Köksal A., Tuzcuoğlu Ö., Ince K. G., Ataseven Y., Alatan A. A.
2022 IEEE International Conference on Image Processing (ICIP), Bordeaux, Fransa, 16 Ekim 2022
- XI. **Object Detection for Autonomous Driving: High-Dynamic Range vs. Low-Dynamic Range Images**
Kocdemir I. H., Akyüz A. O., Koz A., Chalmers A., Alatan A. A., Kalkan S.
24th IEEE International Workshop on Multimedia Signal Processing, MMSP 2022, Shanghai, Çin, 26 - 28 Eylül 2022
- XII. **Feature Embedding by Template Matching as a ResNet Block**
Görgün A., Gürbüz Y. Z., Alatan A. A.
33rd British Machine Vision Conference Proceedings, BMVC 2022, London, İngiltere, 21 - 24 Kasım 2022
- XIII. **A COGNITIVE CAMERA SYSTEM FOR INCREASING FACE RECOGNITION PERFORMANCE IN BACKLIT CONDITIONS**
Gültekin G. K., Ergül M., Hakyemez A. D., Saranlı A., Alatan A. A., Üstün İ. E.
Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies VI 2022, Berlin, Almanya, 5 - 06 Eylül 2022, cilt.12275
- XIV. **A SMART EMBEDDED IMAGING SYSTEM FOR TRUE COLOR FACE ANALYSIS**
Ustun İ. E., Yeşilyurt A. B., Ergul M., Alatan A. A., Erünver Ö.
Artificial Intelligence and Machine Learning in Defense Applications IV 2022, Berlin, Almanya, 6 - 07 Eylül 2022, cilt.12276
- XV. **DEPTH IS ALL YOU NEED: SINGLE-STAGE WEAKLY SUPERVISED SEMANTIC SEGMENTATION FROM IMAGE-LEVEL SUPERVISION**
Ergül M., ALATAN A. A.
29th IEEE International Conference on Image Processing, ICIP 2022, Bordeaux, Fransa, 16 - 19 Ekim 2022, ss.4233-4237
- XVI. **Semi-Automatic Annotation For Visual Object Tracking**
Ince K. G., Köksal A., Alatan A. A.
2021 IEEE/CVF International Conference on Computer Vision Workshops (ICCVW), Montreal, Kanada, 11 - 18 Ekim 2021
- XVII. **HDR IMAGE CONSTRUCTION FROM TRIFOCAL MULTIEXPOSURE IMAGES**
KOZ A., Demirkılıç B., Kurt Y. B., AKYÜZ A. O., KALKAN S., ALATAN A. A., Chalmers A.
IEEE MMSP, Tampere, Finlandiya, 06 Ekim 2021
- XVIII. **METU LOSS: METRIC LEARNING WITH ENTANGLED TRIPLET UNIFIED LOSS**
KARAMAN K., ALATAN A. A.
IEEE International Conference on Image Processing, ANCHORAGE, Amerika Birleşik Devletleri, 19 Eylül 2021
- XIX. **DFM : Effect of Parameter Optimization on Classical and Learning-Based Image Matching Methods**

- EFE U., İNCE K. G., ALATAN A. A.
IEEE CVPR Workshop : Image Matching Workshop, VIRTUAL, BİLİNMEYEN ÜLKELER (DİĞER), 25 Haziran 2021
- XX. **Effect of Parameter Optimization on Classical and Learning-based Image Matching Methods**
Efe U., Ince K. G., ALATAN A. A.
18th IEEE/CVF International Conference on Computer Vision Workshops, ICCVW 2021, Virtual, Online, Kanada, 11 - 17 Ekim 2021, cilt.2021-October, ss.2506-2513
- XXI. **DFM: A Performance Baseline for Deep Feature Matching**
Efe U., Ince K. G., ALATAN A. A.
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), ELECTR NETWORK, 19 - 25 Haziran 2021, ss.4279-4288
- XXII. **DEEP METRIC LEARNING WITH ALTERNATING PROJECTIONS ONTO FEASIBLE SETS**
Can O., Gürbüz Y. Z., ALATAN A. A.
2021 IEEE International Conference on Image Processing, ICIP 2021, Alaska, Amerika Birleşik Devletleri, 19 - 22 Eylül 2021, cilt.2021-September, ss.1264-1268
- XXIII. **BLIND DEINTERLEAVING OF SIGNALS IN TIME SERIES WITH SELF-ATTENTION BASED SOFT MIN-COST FLOW LEARNING**
CAN O., GÜRBÜZ Y. Z., YILDIRIM B., ALATAN A. A.
IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), ELECTR NETWORK, 6 - 11 Haziran 2021, ss.3295-3299
- XXIV. **Late Temporal Modeling in 3D CNN Architectures with BERT for Action Recognition**
KALFAOĞLU M. E., KALKAN S., ALATAN A. A.
ECCV Video Turing Test (VTT) Workshop, 28 Ağustos 2020
- XXV. **Effect of Annotation Errors on Drone Detection with YOLOv3**
KÖKSAL A., İNCE K. G., ALATAN A. A.
2020 IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops (CVPRW), Seattle, WA, USA, Amerika Birleşik Devletleri, 14 - 19 Haziran 2020
- XXVI. **Object detection under moving cloud shadows in WAMI**
HATİPOĞLU P., ALBAYRAK T., ALATAN A. A.
ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 1 - 06 Haziran 2020, cilt.22020, ss.837-844
- XXVII. **Vision-Based Lighting State Detection and Curtain Openness Ratio Prediction**
Kalfaoğlu E., Gürsel Dino I., İşeri O. K., Akın Ş., Sarı A. E., Erdoğan B., Kalkan S., Alatan A. A.
The Symposium on Simulation for Architecture and Urban Design (SimAUD), Vienna, Avusturya, 23 - 25 Mayıs 2020
- XXVIII. **Target Rediscovery on Long-wave Infrared Hyperspectral Images using Radiance and Emissivity Data**
Koz A., Belenoğlu İ., YÜKSEL S. E., ALATAN A. A.
SET-277 Workshop on Phenomenology and Exploitation of Hyperspectral Sensing within NATO, Brüksel, Belçika, 14 - 15 Ekim 2019
- XXIX. **Single Image Noise Level Estimation Using Dark Channel Prior**
Yeşilyurt A. B., EROL A., KAMIŞLI F., ALATAN A. A.
2019 IEEE International Conference on Image Processing (ICIP), Taipei, Taiwan, 22 - 25 Eylül 2019
- XXX. **Video Content Analysis-Based Detection of Occupant Presence for Building Energy Modelling**
Gürsel Dino I., Kalfaoğlu E., Sarı A. E., Akın Ş., İşeri O. K., Alatan A. A., Kalkan S., Erdoğan B.
CIB W78: Conference: Advances in ICT in Design, Construction and Management in Architecture, Engineering, Construction and Operations (AECO), Newcastle-Upon-Tyne, Birleşik Krallık, 18 - 20 Eylül 2019
- XXXI. **Automated building energy modeling for existing buildings using computer vision**
Gürsel Dino I., Sarı A. E., Kalfaoğlu E., Akın Ş., İşeri O. K., Kalkan S., Alatan A. A., Erdoğan B.
CIB W78: Conference: Advances in ICT in Design, Construction and Management in Architecture, Engineering, Construction and Operations (AECO), Newcastle-Upon-Tyne, Birleşik Krallık, 18 - 20 Eylül 2019
- XXXII. **Süperpikseller ve İmza Tabanlı Yöntemler Kullanarak Hiperspektral Hedef Tespiti**

- Kütük M., Koz A., Alatan A. A.
2018 9th Workshop on Hyperspectral Image and Signal Processing: Evolution in Remote Sensing (WHISPERS), Amsterdam, Hollanda, 23 - 26 Eylül 2018, ss.1-5
- XXXIII. **The sixth visual object tracking VOT2018 challenge results**
Kristan M., Leonardis A., Matas J., Felsberg M., Pflugfelder R., Zajc L. Č., Vojíř T., Bhat G., Lukežič A., Eldesokey A., et al.
15th European Conference on Computer Vision, ECCV 2018, Munich, Almanya, 8 - 14 Eylül 2018, ss.3-53
- XXXIV. **Geospatial Object Detection Using Deep Networks**
Barut O., Alatan A. A.
Conference on Earth Observing Systems XXIV, California, Amerika Birleşik Devletleri, 11 - 15 Ağustos 2019, cilt.11127
- XXXV. **A NOVEL BOVW MIMICKING END-TO-END TRAINABLE CNN CLASSIFICATION FRAMEWORK USING OPTIMAL TRANSPORT THEORY**
GÜRBÜZ Y. Z., Alatan A. A.
26th IEEE International Conference on Image Processing (ICIP), Taipei, Tayvan, 22 - 25 Eylül 2019, ss.3053-3057
- XXXVI. **QUADRUPLET SELECTION METHODS FOR DEEP EMBEDDING LEARNING**
Karaman K., Gundogdu E., Koc A., ALATAN A. A.
26th IEEE International Conference on Image Processing (ICIP), Taipei, Tayvan, 22 - 25 Eylül 2019, ss.3452-3456
- XXXVII. **Antenna Scan Period Estimation of Radars with Cepstrum and Scoring**
Kalfaoglu M. E., Can O., Yildirim B., ALATAN A. A.
27th Signal Processing and Communications Applications Conference (SIU), Sivas, Türkiye, 24 - 26 Nisan 2019
- XXXVIII. **IMPROVING PROPOSAL-BASED OBJECT DETECTION USING CONVOLUTIONAL CONTEXT FEATURES**
Kaya E. C., ALATAN A. A.
25th IEEE International Conference on Image Processing (ICIP), Athens, Yunanistan, 7 - 10 Ekim 2018, ss.1308-1312
- XXXIX. **OBJECT LOCALIZATION WITHOUT BOUNDING BOX INFORMATION USING GENERATIVE ADVERSARIAL REINFORCEMENT LEARNING**
Halici E., ALATAN A. A.
25th IEEE International Conference on Image Processing (ICIP), Athens, Yunanistan, 7 - 10 Ekim 2018, ss.3728-3732
- XL. **CHANGE DETECTION FOR HYPERSPECTRAL IMAGES USING EXTENDED MUTUAL INFORMATION AND OVERSEGMENTATION**
TASKESEN B., KOZ A., Weatherbee O., ALATAN A. A.
Whispers 2018, Amsterdam, Hollanda, 23 - 26 Eylül 2018
- XLI. **HYPERSPECTRAL TARGET DETECTION BY USING SUPERPIXELS AND SIGNATURE BASED METHODS**
Kütük M., Koz A., ALATAN A. A.
Whispers Conference, Amsterdam, Hollanda, 23 - 26 Eylül 2018
- XLII. **Face Recognition Based on Embedding Learning**
Karaman K., Koc A., ALATAN A. A.
Conference on Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies II, Berlin, Almanya, 10 - 11 Eylül 2018, cilt.10802
- XLIII. **Object localization with reinforcement learning Pekiştirmeli öğrenme ile nesne yeri saptama**
Halici E., ALATAN A. A.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Türkiye, 2 - 05 Mayıs 2018, ss.1-4
- XLIV. **A method for quadruplet sample selection in deep feature learning Derin Öznitelik Öğrenme için Dördüz Örnek Seçme Yöntemi**
Karaman K., Gundogdu E., Koc A., Alatan A. A.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Türkiye, 2 - 05 Mayıs 2018, ss.1-4
- XLV. **Adaptive classification of radar pulses with improved fuzzy ARTMAP**

Alatan A. A.

Sinyal İşleme Uygulamaları Kongresi, İzmir, Türkiye, 18 - 20 Mayıs 2018, ss.1-4

- XLVI. **Extended Object Tracking and Shape Classification**
Tuncer B., Kumru M., Alatan A. A., Özkan E.
21st International Conference on Information Fusion (FUSION), Cambridge, Kanada, 10 - 13 Temmuz 2018, ss.267-274
- XLVII. **The Visual Object Tracking VOT2017 Challenge Results**
ALATAN A. A.
The IEEE International Conference on Computer Vision (ICCV) 5th Visual Object Tracking Challenge Workshop VOT2017, Venedik, İtalya, 22 - 29 Ekim 2017, ss.1949-1972
- XLVIII. **Roadside Distance: Flow-Aware Tracklet Association Cost for Wide Area Surveillance**
GÜRBÜZ Y. Z., CAN O., ALATAN A. A.
IEEE International Conference on Image Processing, Pekin, Çin, 17 - 20 Eylül 2017
- XLIX. **A graph signal filtering-based approach for detection of differentiated edge types on airborne lidar data,**
BAYRAM E., VURAL E., ALATAN A. A.
SPIE Remote Sensing : Lidar Technologies, Techniques, and Measurements, Varşova, Polonya, 11 - 14 Eylül 2017
- L. **Automatic target recognition and detection in infrared imagery under cluttered background**
GÜNDOĞDU E., KOÇ A., ALATAN A. A.
SPIE Defence Europe: Target and Background Signatures III, Varşova, Polonya, 11 - 14 Eylül 2017
- LI. **A Graph Signal Filtering Based Approach for Detection of Different Edge Types on Airborne LiDAR Data**
Bayram E., Vural E., Alatan A. A.
Conference on Lidar Technologies, Techniques, and Measurements for Atmospheric Remote Sensing XIII, Warszawa, Polonya, 11 - 12 Eylül 2017, cilt.10429
- LII. **Association Cost Enforcing Spatial Consistency for Tracklet Merging**
GÜRBÜZ Y. Z., Can O., ALATAN A. A.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Türkiye, 15 - 18 Mayıs 2017
- LIII. **Method For Learning Deep Features For Correlation Based Visual Tracking**
Gundogdu E., ALATAN A. A.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Türkiye, 15 - 18 Mayıs 2017
- LIV. **Gemi Tanıma İçin Derin Mesafe Metrik Öğrenmesi**
GÜNDOĞDU E., SOLMAZ B., KOÇ A., ALATAN A. A.
2017 25th Signal Processing and Communications Applications Conference (SIU), Antalya, Türkiye, 15 - 18 Mayıs 2017
- LV. **Unsupervised Change Detection in Satellite Images using Oversegmentation and Mutual Information**
Taskesen B., Besbinar B., Koz A., ALATAN A. A.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Türkiye, 15 - 18 Mayıs 2017
- LVI. **Deep Distance Metric Learning For Maritime Vessel Identification**
Gundogdu E., Solmaz B., Koc A., Yucesoy V., ALATAN A. A.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Türkiye, 15 - 18 Mayıs 2017
- LVII. **Object Detection with Convolutional Context Features**
Kaya E. C., ALATAN A. A.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Türkiye, 15 - 18 Mayıs 2017
- LVIII. **The Visual Object Tracking VOT2016 challenge results**
Gündoğdu E., ALATAN A. A.
European Conference on Computer Vision Workshop on VOT 2016, 8 - 10 Ekim 2016
- LIX. **SPATIAL WINDOWING FOR CORRELATION FILTER BASED VISUAL TRACKING**
gündoğdu e., ALATAN A. A.
International Conference on Image Processing, 25 - 29 Eylül 2016
- LX. **OBJECT CLASSIFICATION IN INFRARED IMAGES USING DEEP REPRESENTATIONS**
Gündoğdu E., Koç A., ALATAN A. A.

- International Conference on Image Processing, 25 - 29 Eylül 2016
- LXI. **FISHER SELECTIVE SEARCH FOR OBJECT DETECTION**
BUZCU I., ALATAN A. A.
- International Conference on Image Processing, 25 - 28 Eylül 2016
- LXII. **Ensemble Of Adaptive Correlation Filters For Robust Visual Tracking**
Gündoğdu E., Özkan H., ALATAN A. A.
- 13th IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS), 23 - 26 Ağustos 2016
- LXIII. **REGISTRATION OF MWIR LWIR BAND HYPERSPECTRAL IMAGES**
Koz A., ÇALIŞKAN A., ALATAN A. A.
- WHISPERS 2016, 21 - 24 Ağustos 2016
- LXIV. **TOTAL CARBON MAPPING WITH HYPERSPECTRAL UNMIXING TECHNIQUES**
SOYDAN H., Koz A., DÜZGÜN H. Ş., ALATAN A. A.
- WHISPERS 2016, 21 - 24 Ağustos 2016
- LXV. **AUTOMATIC ROAD DETECTION FROM GRAY LEVEL IMAGES IN WIDE AREA SURVEILLANCE**
OĞUL C., GÜRBÜZ Y. Z., ALATAN A. A.
- International Geoscience and Remote Sensing Symposium (IGARSS) 2016, 10 - 17 Temmuz 2016
- LXVI. **SUPERPIXEL BASED HYPERSPECTRAL TARGET DETECTION**
Çalışkan A., BATI E., Koz A., ALATAN A. A.
- International Geoscience and Remote Sensing Symposium (IGARSS) 2016, 10 - 15 Temmuz 2016
- LXVII. **A LOCAL EXTREMA BASED METHOD ON 2D BRIGHTNESS TEMPERATURE MAPS FOR DETECTION OF ARCHAEOLOGICAL ARTIFACTS**
SOYDAN H., DÜZGÜN H. Ş., ALATAN A. A.
- International Geoscience and Remote Sensing Symposium (IGARSS) 2016, 10 - 15 Temmuz 2016
- LXVIII. **Evaluation of Feature Channels for Correlation Filter Based Visual Object Tracking in Infrared Spectrum**
Gündoğdu E., SOLMAZ B., Koç A., HAMMOUD R., ALATAN A. A.
- IEEE CVPR Workshop on Perception Beyond the Visible Spectrum 2016 (PBVS'16), 26 Haziran - 01 Temmuz 2016
- LXIX. **Infrared Object Classification Using Decision Tree Based Deep Neural Networks**
Gundogdu E., Koc A., ALATAN A. A.
- 24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Türkiye, 16 - 19 Mayıs 2016, ss.1913-1916
- LXX. **Visual Object Tracking with Autoencoder Representations**
Besbinar B., ALATAN A. A.
- 24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Türkiye, 16 - 19 Mayıs 2016, ss.2041-2044
- LXXI. **Sparse recursive filtering for 0 1 stereo matching**
GÜRBÜZ Y. Z., Çığla C., ALATAN A. A.
- International Conference on Image Processing, 27 - 30 Eylül 2015
- LXXII. **LASP Local adaptive super pixels**
İNCE K. G., Çığla C., ALATAN A. A.
- International Conference on Image Processing, 27 - 30 Eylül 2015
- LXXIII. **Hyperspectral anomaly detection method based on autoencoder**
Batu E., ALATAN A. A.
- SPIE Remote Sensing, Image and Signal Processing for Remote Sensing Conference, Toulouse, Fransa, 21 - 24 Eylül 2015
- LXXIV. **Inshore ship detection in high resolution satellite images Approximation of harbours using sea land segmentation**
BEŞBINAR B., ALATAN A. A.
- SPIE Remote Sensing, Image and Signal Processing for Remote Sensing Conference, Toulouse, Fransa, 21 - 24 Eylül 2015

- LXXV. **Hydrocarbon microseepage mapping using signature based target detection techniques**
SOYDAN H., KOZ A., DÜZGÜN H. Ş., ALATAN A. A.
SPIE Remote Sensing, Earth Resources and Environmental Remote Sensing/GIS Applications, Toulouse, Fransa, 21 - 24 Eylül 2015
- LXXVI. **Hyperspectral Anomaly Detection Method Based on Auto-encoder**
Bati E., Caliskan A., Koz A., ALATAN A. A.
Conference on Image and Signal Processing for Remote Sensing XXI, Toulouse, Fransa, 21 - 23 Eylül 2015, cilt.9643
- LXXVII. **Hyperspectral Superpixel Extraction Using Boundary Updates Based on Optimal Spectral Similarity Metric**
Çalışkan A., Koz A., ALATAN A. A.
IGARSS 2015, Milan, İtalya, 26 - 31 Temmuz 2015
- LXXVIII. **RGBD Data Based Pose Estimation Why Sensor Fusion**
GEDİK O. S., ALATAN A. A.
18th International Conference on Information Fusion, Washington, Amerika Birleşik Devletleri, 6 - 09 Temmuz 2015
- LXXIX. **A COMPARATIVE STUDY OF HYPERSPECTRAL ANOMALY AND SIGNATURE BASED TARGET DETECTION METHODS FOR OIL SPILLS**
SOYDAN H., Koz A., DÜZGÜN H. Ş., ALATAN A. A.
IEEE WHISPERS 2015, Tokyo, Japonya, 2 - 05 Haziran 2015
- LXXX. **Superpixel Based Unsupervised Change Detection of Manmade Targets on Satellite Images**
Buzcu I., ALATAN A. A.
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.1889-1892
- LXXXI. **Sparse Recursive Cost Aggregation Towards O(1) Complexity Local Stereo Matching**
GÜRBÜZ Y. Z., ALATAN A. A., Cigla C.
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.2290-2293
- LXXXII. **Inshore Ship Detection in Multispectral Satellite Images**
Besbinar B., Gurbuz Y. Z., Alatan A. A.
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.2029-2032
- LXXXIII. **Oil Spill Determination with Hyperspectral Imagery: A Comparative Study**
Soydan H., Koz A., Duzgun H. S., ALATAN A. A.
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.2404-2407
- LXXXIV. **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
- LXXXV. **OCCLUSSION-AWARE HMM-BASED TRACKING BY LEARNING**
Marpuc T., ALATAN A. A.
IEEE International Conference on Image Processing (ICIP), Paris, Fransa, 27 - 30 Ekim 2014, ss.4922-4926
- LXXXVI. **GEOMETRY-CONSTRAINED SPATIAL PYRAMID ADAPTATION FOR IMAGE CLASSIFICATION**
Tasli H. E., Sicre R., Gevers T., ALATAN A. A.
IEEE International Conference on Image Processing (ICIP), Paris, Fransa, 27 - 30 Ekim 2014, ss.1051-1055
- LXXXVII. **UNCERTAINTY MODELING FOR EFFICIENT VISUAL ODOMETRY VIA INERTIAL SENSORS ON MOBILE DEVICES**
AKSOY Y., ALATAN A. A.
IEEE International Conference on Image Processing (ICIP), Paris, Fransa, 27 - 30 Ekim 2014, ss.3397-3401
- LXXXVIII. **E3D-D2D: EMBEDDING IN 3D, DETECTION IN 2D THROUGH PROJECTIVE INVARIANTS**
Yasaroglu Y., Alatan A. A.

- IEEE International Conference on Image Processing (ICIP), Paris, Fransa, 27 - 30 Ekim 2014, ss.4792-4796
- LXXXIX. **MRF-BASED PLANAR CO-SEGMENTATION FOR DEPTH COMPRESSION**
Ozkalayci B., ALATAN A. A.
- IEEE International Conference on Image Processing (ICIP), Paris, Fransa, 27 - 30 Ekim 2014, ss.125-129
- XC. **OCCLUSION-AWARE 3D MULTIPLE OBJECT TRACKER WITH TWO CAMERAS FOR VISUAL SURVEILLANCE**
Topcu O., ALATAN A. A., ERCAN A. Ö.
11th IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS), Seoul, Güney Kore, 26 - 29 Ağustos 2014, ss.56-61
- XCI. **Tubularity Tracking Based Automatic Road Detection from Sattelite Images**
GÜRBÜZ Y. Z., ALATAN A. A.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Türkiye, 23 - 25 Nisan 2014, ss.2190-2193
- XCII. **3D TRACKING OF PEOPLE WITH RAO-BLACKWELLIZED PARTICLE FILTERS**
Topcu O., ORGUNER U., Alatan A., ERCAN A. Ö.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Türkiye, 23 - 25 Nisan 2014, ss.670-673
- XCIII. **Sea Detection on High-Resolution Panchromatic Satellite Images Using Texture and Intensity**
Besbinar B., ALATAN A. A.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Türkiye, 23 - 25 Nisan 2014, ss.2213-2216
- XCIV. **An automatic geo-spatial object recognition algorithm for high resolution satellite images**
Ergul M., ALATAN A. A.
Conference on Electro-Optical Remote Sensing, Photonic Technologies, and Applications VII; and Military Applications in Hyperspectral Imaging and High Spatial Resolution Sensing, Dresden, Almanya, 24 - 26 Eylül 2013, cilt.8897
- XCV. **AN EFFICIENT HOLE FILLING FOR DEPTH IMAGE BASED RENDERING**
Cigla C., ALATAN A. A.
IEEE International Conference on Multimedia and Expo Workshops (ICMEW), San-Jose, Kostarika, 15 - 19 Temmuz 2013
- XCVI. **SUPER PIXEL EXTRACTION VIA CONVEXITY INDUCED BOUNDARY ADAPTATION**
Tasli H. E., Cigla C., Gevers T., ALATAN A. A.
IEEE International Conference on Multimedia and Expo Workshops (ICMEW), San-Jose, Kostarika, 15 - 19 Temmuz 2013
- XCVII. **RECOGNITION OF 3D OBJECTS FROM UNCONSTRAINED 2D IMAGES BY USING LOCAL APPEARANCE AND AFFINE GEOMETRY**
Soysal M., ALATAN A. A.
IEEE International Conference on Multimedia and Expo Workshops (ICMEW), San-Jose, Kostarika, 15 - 19 Temmuz 2013
- XCVIII. **A NOVEL PLANAR LAYERED REPRESENTATION FOR 3DTV AND FREEVIEW TV APPLICATIONS**
Ozkalayci B., ALATAN A. A.
IEEE International Conference on Multimedia and Expo Workshops (ICMEW), San-Jose, Kostarika, 15 - 19 Temmuz 2013
- XCIX. **Loosely Coupled Kalman Filtering for Fusion of Visual Odometry and Inertial Navigation**
Sirtkaya S., Seymen B., ALATAN A. A.
16th International Conference on Information Fusion (FUSION), İstanbul, Türkiye, 9 - 12 Temmuz 2013, ss.219-226
- C. **Fusing 2D and 3D Clues for 3D Tracking Using Visual and Range Data**
Gedik O. S., ALATAN A. A.
16th International Conference on Information Fusion (FUSION), İstanbul, Türkiye, 9 - 12 Temmuz 2013, ss.1966-1973

- CI. **Video Mosaicing of Planer Scenes using Extended Kalman Filter**
Bati E., GÜRBÜZ Y. Z., ALATAN A. A.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 Nisan 2013
- CII. **Geospatial Object Recognition From High Resolution Satellite Imagery**
Ergul M., ALATAN A. A.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 Nisan 2013
- CIII. **User Assisted Stereo Image Retargetting**
Tasli H. E., Gevers T., ALATAN A. A.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 Nisan 2013
- CIV. **Region of Interest Detection Based Fast and Robust Geo-Spatial Object Recognition**
GÜRBÜZ Y. Z., ALATAN A. A.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 Nisan 2013
- CV. **Utilization of False Color Images in Shadow Detection**
Aksoy Y., ALATAN A. A.
12th European Conference on Computer Vision (ECCV), Florence, İtalya, 7 - 13 Ekim 2012, cilt.7584, ss.472-481
- CVI. **An Improved Stereo Matching Algorithm with Ground Plane and Temporal Smoothness Constraints**
Cigla C., ALATAN A. A.
12th European Conference on Computer Vision (ECCV), Florence, İtalya, 7 - 13 Ekim 2012, cilt.7584, ss.134-147
- CVII. **INTERACTIVE 2D-3D IMAGE CONVERSION FOR MOBILE DEVICES**
Aksoy Y., Sener O., Alatan A., Ugur K.
19th IEEE International Conference on Image Processing (ICIP), Florida, Amerika Birleşik Devletleri, 30 Eylül - 03 Ekim 2012, ss.2729-2732
- CVIII. **A Computationally Efficient Appearance-Based Algorithm for Geospatial Object Detection**
Arslan D., ALATAN A. A.
Conference on Optical Pattern Recognition XXIII, Maryland, Amerika Birleşik Devletleri, 26 - 27 Nisan 2012, cilt.8398
- CIX. **2D-3D feature association via projective transform invariants for model-based 3D pose estimation**
Gedik O. S., Alatan A. A.
Conference on Three-Dimensional Image Processing (3DIP) and Applications II, California, Amerika Birleşik Devletleri, 24 - 26 Ocak 2012, cilt.8290
- CX. **Edge-Aware Stereo Matching with $O(1)$ Complexity**
Cigla C., ALATAN A. A.
Conference on Three-Dimensional Image Processing (3DIP) and Applications II, California, Amerika Birleşik Devletleri, 24 - 26 Ocak 2012, cilt.8290
- CXI. **Lossless Description of 3D Range Models**
Bayramoglu N., ALATAN A. A.
Conference on Visual Information Processing and Communication III, California, Amerika Birleşik Devletleri, 24 - 26 Ocak 2012, cilt.8305
- CXII. **Efficient Edge-Preserving Stereo Matching**
Cigla C., ALATAN A. A.
IEEE International Conference on Computer Vision (ICCV), Barcelona, İspanya, 6 - 13 Kasım 2011
- CXIII. **Interactive Object Segmentation for mono and stereo applications: Geodesic Prior Induced Graph Cut Energy minimization**
Tasli H. E., ALATAN A. A.
IEEE International Conference on Computer Vision (ICCV), Barcelona, İspanya, 6 - 13 Kasım 2011
- CXIV. **Occlusion Handling Frame Rate Up-Conversion**
Ozkalayci B., ALATAN A. A.
7th International Symposium on Image and Signal Processing and Analysis (ISPA), Dubrovnik, Hırvatistan, 4 - 06 Eylül 2011, ss.149-152
- CXV. **EXTRACTING EMBEDDED DATA IN 3D MODELS FROM 2D VIEWS USING PERSPECTIVE INVARIANTS**
Yasaroglu Y., ALATAN A. A.

3DTV Conference - The True Vision - Capture, Transmission and Display of 3D Video (3DTV-CON), Antalya, Türkiye, 16 - 18 Mayıs 2011

- CXVI. **REAL-TIME ARBITRARY VIEW RENDERING ON GPU FROM STEREO VIDEO AND TIME-OF-FLIGHT CAMERA**
Ates T. K., ALATAN A. A.
3DTV Conference - The True Vision - Capture, Transmission and Display of 3D Video (3DTV-CON), Antalya, Türkiye, 16 - 18 Mayıs 2011
- CXVII. **A Novel Bag-of-Visual-Words Approach for Geospatial Object Detection**
Aytekin C., ALATAN A. A.
Conference on Optical Pattern Recognition XXII, Florida, Amerika Birleşik Devletleri, 28 - 29 Nisan 2011, cilt:8055
- CXVIII. **Content based video copy detection with local descriptors Yerel tanımlayıcılar ile içerik tabanlı video kopya sezimi**
Ateş T. K., Esen E., Saracoğlu A., Soysal M., Turgut Y., Oktay O., ALATAN A. A.
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Türkiye, 22 - 24 Nisan 2010, ss.49-52
- CXIX. **Frame-rate increase for multiview video exploiting 3D motion models Çoklu görüntülü videolarda 3B hareket modeli kullanarak kare-hizi Arttırımı**
Gedik O. S., ALATAN A. A.
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Türkiye, 22 - 24 Nisan 2010, ss.848-851
- CXX. **Speeding-up Pearson correlation coefficient calculation on graphical processing units Pearson ilinti katsayisi hesaplamasının grafik işlemci birimleri üzerinde hızlandırılması**
Loğoğlu K. B., Ateş T. K.
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Türkiye, 22 - 24 Nisan 2010, ss.840-843
- CXXI. **A novel shadow detection and restoration algorithm based on atmospheric phenomena Atmosferik etkilere dayalı yeni bir gölge tespiti ve onarımı algoritması**
Aytekin Ç., ALATAN A. A.
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Türkiye, 22 - 24 Nisan 2010, ss.874-877
- CXXII. **Range image recognition using invariant local features Derinlik görüntülerinin değişimsiz yerel özellikler kullanılarak tanınması**
Bayramoğlu N., ALATAN A. A.
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Türkiye, 22 - 24 Nisan 2010, ss.824-827
- CXXIII. **Rotation, scale and translation invariant automatic target recognition based on Fourier-Mellin transform and bispectrum for satellite imagery Uydu görüntüleri için Fourier-Mellin dönüşümü ve bispektrum tabanlı dönme, ölçekleme, öteleme değişmezlikli otomatik hedef tanıma**
ERTÜRK A., ALATAN A. A., ÇİLOĞLU T.
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Türkiye, 22 - 24 Nisan 2010, ss.550-553
- CXXIV. **A complexity-utility framework for modeling decoding complexity towards optimizing subjective quality of video for mobile devices**
Önür Ö. D., ALATAN A. A.
3rd Workshop on Mobile Video Delivery, MoViD 2010, Co-located with ACM Multimedia 2010, Firenze, İtalya, 25 Ekim 2010, ss.39-44
- CXXV. **Generalized visual concept detection Genelleştirilmiş görsel kavram tanıma**
Saracoğlu A., Tekin M., Esen E., Soysal M., Loğoğlu K. B., Ateş T. K., Sevinç A. M., Sevimli H., Acar B. O., Zubari Ü., et al.
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Türkiye, 22 - 24 Nisan 2010, ss.621-624
- CXXVI. **Shape index SIFT: Range image recognition using local features**

- Bayramoğlu N., ALATAN A. A.
2010 20th International Conference on Pattern Recognition, ICPR 2010, İstanbul, Türkiye, 23 - 26 Ağustos 2010, ss.352-355
- CXXVII. **Adult image content classification using global features and skin region detection**
Sevimli H., Esen E., Ateş T. K., Ozan E. C., Tekin M., Loğoğlu K. B., Sevinç A. M., Saracoğlu A., YAZICI A., ALATAN A. A.
25th International Symposium on Computer and Information Sciences, ISCIS 2010, London, İngiltere, 22 - 24 Eylül 2010, cilt.62 LNEE, ss.253-258
- CXXVIII. **Gender classification via gradientfaces**
Loğoğlu K. B., Saracoğlu A., Esen E., ALATAN A. A.
25th International Symposium on Computer and Information Sciences, ISCIS 2010, London, İngiltere, 22 - 24 Eylül 2010, cilt.62 LNEE, ss.245-251
- CXXIX. **Joint utilization of appearance and geometry for scene logo retrieval**
Soysal M., ALATAN A. A.
25th International Symposium on Computer and Information Sciences, ISCIS 2010, London, İngiltere, 22 - 24 Eylül 2010, cilt.62 LNEE, ss.305-308
- CXXX. **FAST STEREO PAIR GENERATION USING SRTM REGISTRATION AND OPTICAL FLOW**
Ataseven Y., ALATAN A. A.
ISPRS Istanbul Workshop on Modeling of Optical Airborne and Spaceborne Sensors, İstanbul, Türkiye, 11 - 13 Ekim 2010
- CXXXI. **MULTI-RESOLUTION MOTION ESTIMATION FOR MOTION COMPENSATED FRAME INTERPOLATION**
Guenyel B., Alatan A.
IEEE International Conference on Image Processing, Hong Kong, PEOPLES R CHINA, 26 - 29 Eylül 2010, ss.2793-2796
- CXXXII. **A NOVEL SHADOW RESTORATION ALGORITHM BASED ON ATMOSPHERIC EFFECTS FOR AERIAL IMAGES**
Aytekin C., ALATAN A. A.
IEEE International Conference on Image Processing, Hong Kong, PEOPLES R CHINA, 26 - 29 Eylül 2010, ss.401-404
- CXXXIII. **FRAME-RATE CONVERSION FOR MULTIVIEW VIDEO EXPLOITING 3D MOTION MODELS**
Gedik O. S., ALATAN A. A.
IEEE International Conference on Image Processing, Hong Kong, PEOPLES R CHINA, 26 - 29 Eylül 2010, ss.1797-1800
- CXXXIV. **EFFICIENT GRAPH-BASED IMAGE SEGMENTATION VIA SPEEDED-UP TURBO PIXELS**
Cigla C., ALATAN A. A.
IEEE International Conference on Image Processing, Hong Kong, PEOPLES R CHINA, 26 - 29 Eylül 2010, ss.3013-3016
- CXXXV. **SRTM REGISTRATION FOR ELECTRO-OPTIC SATELLITE IMAGES WITHOUT GCP**
Ataseven Y., ALATAN A. A.
ISPRS-Technical-Commission III Symposium on Photogrammetric Computer Vision and Image Analysis (PCV), Saint-Andre, Reunion, 1 - 03 Eylül 2010, cilt.38, ss.204-208
- CXXXVI. **UTILIZATION OF SPATIAL INFORMATION FOR POINT CLOUD SEGMENTATION**
Akman O., Bayramoglu N., ALATAN A. A., Jonker P.
4th 3DTV Conference on the True Vision - Capture, Transmission and Display of 3D Video, Tampere, Finlandiya, 7 - 09 Haziran 2010
- CXXXVII. **Block Based Video Data Hiding Using Repeat Accumulate Codes and Forbidden Zone Data Hiding**
Esen E., ALATAN A. A.
10th Pacific Rim Conference on Multimedia, Bangkok, Tayland, 15 - 18 Aralık 2009, cilt.5879, ss.731-742
- CXXXVIII. **WATERMARKING FOR DEPTH-IMAGE-BASED RENDERING**
Halici E., ALATAN A. A.
16th IEEE International Conference on Image Processing, Cairo, Mısır, 7 - 10 Kasım 2009, ss.4217-4220
- CXXXIX. **REGION-BASED MOTION-COMPENSATED FRAME RATE UP-CONVERSION BY HOMOGRAPHY PARAMETER INTERPOLATION**

- Turetken E., ALATAN A. A.
16th IEEE International Conference on Image Processing, Cairo, Mısır, 7 - 10 Kasım 2009, ss.381-382
- CXL. **Joint Utilization of Appearance and Geometry for Determining Correspondences**
Soysal M., ALATAN A. A., Karadeniz T.
24th International Symposium on Computer and Information Sciences, Güzelyurt, Kıbrıs (Kkct), 14 - 16 Eylül 2009, ss.60-61
- CXLI. **Video Shot Boundary Detection by Graph-theoretic Dominant Sets Approach**
Asan E., ALATAN A. A.
24th International Symposium on Computer and Information Sciences, Güzelyurt, Kıbrıs (Kkct), 14 - 16 Eylül 2009, ss.7-11
- CXLII. **INTEGRATION OF 2D IMAGES AND RANGE DATA FOR OBJECT SEGMENTATION AND RECOGNITION**
Bayramoglu N., Akman O., ALATAN A. A., Jonker P.
12th International Conference on Climbing and Walking Robots the Support Technologies for Mobile Machines (CLAWAR), İstanbul, Türkiye, 9 - 11 Eylül 2009, ss.927-933
- CXLIII. **TEMPORALLY CONSISTENT LAYER DEPTH ORDERING VIA PIXEL VOTING FOR PSEUDO 3D REPRESENTATION**
Turetken E., ALATAN A. A.
3DTV Conference - True Vision - Capture, Transmission and Display of 3D Video, Potsdam, Almanya, 4 - 06 Mayıs 2009, ss.257-258
- CXLIV. **Video Shot Boundary Detection by Dominant Sets Approach**
Asan E., ALATAN A. A.
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.918-921
- CXLV. **Comparison of Quantization Index Modulation and Forbidden Zone Data Hiding for Compressed Domain Video Data Hiding**
Esen E., Dogan Z., Ates T. K., Alatan A. A.
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.646-649
- CXLVI. **Content Based Copy Detection with Coarse Audio-Visual Fingerprints**
Saracoglu A., Esen E., Ates T. K., Acar B. O., Zubari U., Ozan E. C., Ozalp E., Alatan A. A., Ciloglu T.
International Workshop on Content-Based Multimedia Indexing, Chania, Yunanistan, 3 - 05 Haziran 2009, ss.213-218
- CXLVII. **Segmentation Driven Semantic Information Inference from 2.5D Data**
Bayramoglu N., ALATAN A. A.
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.826-829
- CXLVIII. **TEMPORALLY CONSISTENT DENSE DEPTH MAP ESTIMATION VIA BELIEF PROPAGATION**
Cigla C., Alatan A. A.
3DTV Conference - True Vision - Capture, Transmission and Display of 3D Video, Potsdam, Almanya, 4 - 06 Mayıs 2009, ss.93-96
- CXLIX. **Object Segmentation in Multi-view Video via Color, Depth and Motion Cues**
Cigla C., ALATAN A. A.
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.886-889
- CL. **Content Based Video Copy Detection with Coarse Features**
Esen E., Saracoglu A., Ates T. K., Acar B. O., Zubari U., Alatan A. A.
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.595-598
- CLI. **WATERMARKING FOR IMAGE-BASED RENDERING VIA HOMOGRAPHY-BASED VIRTUAL CAMERA LOCATION ESTIMATION**
Koz A., Cigla C., ALATAN A. A.

15th IEEE International Conference on Image Processing (ICIP 2008), California, Amerika Birleşik Devletleri, 12 - 15 Ekim 2008, ss.1284-1287

- CLII. **Multi Camera Visual Surveillance for Motion Detection Occlusion Handling Tracking and Event Recognition**
akman o., ALATAN A. A., ÇİLOĞLU T.
Workshop on Multi-camera and Multi-modal Sensor Fusion Algorithms and Applications - M2SFA2 2008, 5 - 08 Ekim 2008
- CLIII. **A fast method for animated TV logo detection**
Esen E., Soysal M., Ates T. K., Saracoglu A., ALATAN A. A.
International Workshop on Content-Based Multimedia Indexing, London, Kanada, 18 - 20 Haziran 2008, ss.220-221
- CLIV. **Exploitation of multi-camera configurations for visual surveillance**
Akman O., ALATAN A. A., ÇİLOĞLU T.
International Workshop on Content-Based Multimedia Indexing, London, Kanada, 18 - 20 Haziran 2008, ss.125-130
- CLV. **Outlier removal for sparse 3D reconstruction from video**
VURAL E., ALATAN A. A.
3DTV Conference - True Vision - Capture, Transmission and Display of 3D Video, İstanbul, Türkiye, 28 - 30 Mayıs 2008, ss.321-324
- CLVI. **Boundary Matching Based Translucent TV Logo Detection**
Ates T. K., Esen E., Saracoglu A., Alatan A. A.
IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Türkiye, 20 - 22 Nisan 2008, ss.193-196
- CLVII. **Region-Based Image Segmentation via Graph Cuts**
Cigla C., Alatan A. A.
IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Türkiye, 20 - 22 Nisan 2008, ss.22-25
- CLVIII. **REGION-BASED IMAGE SEGMENTATION VIA GRAPH CUTS**
Cigla C., Alatan A. A.
15th IEEE International Conference on Image Processing (ICIP 2008), California, Amerika Birleşik Devletleri, 12 - 15 Ekim 2008, ss.2272-2275
- CLIX. **Depth assisted object segmentation in multi-view video**
Cigla C., Alatan A. A.
3DTV Conference - True Vision - Capture, Transmission and Display of 3D Video, İstanbul, Türkiye, 28 - 30 Mayıs 2008, ss.165-168
- CLX. **Video adaptation based on content characteristics and hardware capabilities**
Onur O. D., ALATAN A. A.
2nd International Workshop on Semantic Media Adaptation and Personalization (SMAP 2007), London, Kanada, 17 - 18 Aralık 2007, ss.15-20
- CLXI. **Region-based dense depth extraction from multi-view video**
Cigla C., Zabolis X., ALATAN A. A.
IEEE International Conference on Image Processing (ICIP 2007), San-Antonio, Kuzey Mariana Adaları, 16 - 19 Eylül 2007, ss.2465-2466
- CLXII. **Rate-distortion based piecewise planar 3d scene geometry representation**
Imre E., ALATAN A. A., GÜDÜKBAY U.
IEEE International Conference on Image Processing (ICIP 2007), San-Antonio, Kuzey Mariana Adaları, 16 - 19 Eylül 2007, ss.2365-2367
- CLXIII. **3-D structure assisted reference view generation for H.264 based multi-view video coding**
Gedik O. S., Oezkalayci B., ALATAN A. A.
IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Türkiye, 11 - 13 Haziran 2007, ss.798-801

- CLXIV. **Rate-distortion guided piecewise planar 3D scene representation**
Imre E., ALATAN A. A., Gueduekbay U.
IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Türkiye, 11 - 13 Haziran 2007, ss.225-227
- CLXV. **Multi-view video coding via dense depth estimation**
Oezkalayci B., Gedik O. S., ALATAN A. A.
1st International Conference on 3DTV, Kos Isl, Yunanistan, 7 - 09 Mayıs 2007, ss.310-313
- CLXVI. **Piecewise-planar 3D reconstruction in rate-distortion sense**
Imre E., Gueduekbay U., ALATAN A. A.
1st International Conference on 3DTV, Kos Isl, Yunanistan, 7 - 09 Mayıs 2007, ss.350-351
- CLXVII. **Segment-based stereo-matching via plane and angle sweeping**
Cigla C., Zabulis X., Alatan A. A.
1st International Conference on 3DTV, Kos Isl, Yunanistan, 7 - 09 Mayıs 2007, ss.265-268
- CLXVIII. **Free-view watermarking for free-view television**
Koz A., Cigla C., ALATAN A. A.
IEEE International Conference on Image Processing (ICIP 2006), Georgia, Amerika Birleşik Devletleri, 8 - 11 Ekim 2006, ss.1405-1406
- CLXIX. **Forbidden zone data hiding**
Esen E., Alatan A. A.
IEEE International Conference on Image Processing (ICIP 2006), Georgia, Amerika Birleşik Devletleri, 8 - 11 Ekim 2006, ss.1393-1394
- CLXX. **Prioritized sequential 3D reconstruction in video sequences with multiple motions**
Imre E., Knorr S., ALATAN A. A., Sikora T.
IEEE International Conference on Image Processing (ICIP 2006), Georgia, Amerika Birleşik Devletleri, 8 - 11 Ekim 2006, ss.2969-2970
- CLXXI. **Efficient Bayesian track-before-detect**
Tekinalp S., ALATAN A. A.
IEEE International Conference on Image Processing (ICIP 2006), Georgia, Amerika Birleşik Devletleri, 8 - 11 Ekim 2006, ss.2793-2794
- CLXXII. **A modular scheme for 2D/3D conversion of TV broadcast**
Knorr S., Imre E., Oezkalayci B., ALATAN A. A., Sikora T.
3rd International Symposium on 3D Data Processing, Visualization and Transmission, North-Carolina, Amerika Birleşik Devletleri, 14 - 16 Haziran 2006, ss.703-710
- CLXXIII. **Prioritized sequential 3D reconstruction in video sequences of dynamic scenes degrees**
Imre E., Alatan A., Knorr S., Sikora T.
IEEE 14th Signal Processing and Communications Applications, Antalya, Türkiye, 16 - 19 Nisan 2006, ss.916-917
- CLXXIV. **A new concept in data hiding: Forbidden zone**
Esen E., Alatan A. A.
IEEE 14th Signal Processing and Communications Applications, Antalya, Türkiye, 16 - 19 Nisan 2006, ss.85-88
- CLXXV. **Automatic video text localization and recognition**
Saracoglu A., Alatan A. A.
IEEE 14th Signal Processing and Communications Applications, Antalya, Türkiye, 16 - 19 Nisan 2006, ss.964-967
- CLXXVI. **Dense depth map estimation for multiple view coding**
Ozkalayci B., ALATAN A. A.
IEEE 14th Signal Processing and Communications Applications, Antalya, Türkiye, 16 - 19 Nisan 2006, ss.531-532
- CLXXVII. **Event detection in automated surveillance systems**
Orten B. B., Alatan A. A., Ciloglu T.
IEEE 14th Signal Processing and Communications Applications, Antalya, Türkiye, 16 - 19 Nisan 2006, ss.810-813
- CLXXVIII. **Oblivious video watermarking using temporal sensitivity of HVS**
Koz A., Alatan A.
IEEE International Conference on Image Processing (ICIP 2005), Genoa, İtalya, 11 - 14 Eylül 2005, ss.729-732

- CLXXIX. **Video adaptation for transmission channels by utility modeling**
Onur O., Alatan A. A.
IEEE International Conference on Multimedia and Expo (ICME), Amsterdam, Hollanda, 6 - 08 Temmuz 2005, ss.1401-1404
- CLXXX. **Data hiding using trellis coded quantization**
Esen E., Alatan A.
International Conference on Image Processing (ICIP 2004), Singapore, Singapur, 24 - 27 Ekim 2004, ss.59-62
- CLXXXI. **Oblivious video watermarking using temporal sensitivity of HVS**
Koz A., Alatan A.
IEEE 12th Signal Processing and Communications Applications Conference, Kusadasi, Türkiye, 28 - 30 Nisan 2004, ss.284-287
- CLXXXII. **Trellis coded quantization for data hiding**
Esen E., Alatan A., Askar M.
International Conference on Computer as a Tool, Ljubljana, Slovenya, 22 - 24 Eylül 2003, ss.384-388
- CLXXXIII. **Utilization of texture, contrast and color homogeneity for detecting and recognizing text from video frames**
Tekinalp S., Alatan A.
IEEE International Conference on Image Processing, Barcelona, İspanya, 14 - 17 Eylül 2003, ss.505-508
- CLXXXIV. **Error concealment of video sequences by data hiding**
Yilmaz A., Alatan A.
IEEE International Conference on Image Processing, Barcelona, İspanya, 14 - 17 Eylül 2003, ss.679-682
- CLXXXV. **A MPEG-7 compliant video management system: BilVMS**
Esen E., Onur O., Soysal M., Yasaroglu Y., Tekinalp S., Alatan A.
4th European Workshop on Image Analysis for Multimedia Interactive Services, Queen Mary, ENGLAND, 9 - 11 Nisan 2003, ss.77-80
- CLXXXVI. **Temporal watermarking of digital video**
Koz A., Alatan A.
4th European Workshop on Image Analysis for Multimedia Interactive Services, Queen Mary, ENGLAND, 9 - 11 Nisan 2003, ss.271-274
- CLXXXVII. **Combined concealment, synchronization, and error detection using data hiding**
Yilmaz A., Esen E., Alatan A.
4th European Workshop on Image Analysis for Multimedia Interactive Services, Queen Mary, ENGLAND, 9 - 11 Nisan 2003, ss.242-245
- LXXXVIII. **Foveated image watermarking**
Koz A., Alatan A.
IEEE International Conference on Image Processing, New-York, Amerika Birleşik Devletleri, 22 - 25 Eylül 2002, ss.657-660
- CLXXXIX. **Automatic multi-modal dialogue scene indexing**
Alatan A.
International Conference on Image Processing (ICIP 2001), Thessaloniki, Yunanistan, 7 - 10 Ekim 2001, ss.374-377
- CXC. **Comparative analysis of hidden Markov models for multi-modal dialogue scene indexing**
Alatan A. A., Akansu A., Wolf W.
IEEE International Conference on Acoustics, Speech, and Signal Processing, İstanbul, Türkiye, 5 - 09 Haziran 2000, ss.2401-2404
- CXCI. **Dynamic UEP of embedded image bit streams over noisy channels**
Zhao M., Alatan A. A., Akansu A.
IEEE International Conference on Acoustics, Speech, and Signal Processing, İstanbul, Türkiye, 5 - 09 Haziran 2000, ss.2095-2098
- CXCII. **Compressed domain MPEG-2 video editing with VBV requirement**
Egawa R., Alatan A. A., Akansu A.
IEEE International Conference on Image Processing (ICIP 2000), Vancouver, Kanada, 10 - 13 Eylül 2000, ss.1016-

CXCIII. Robust signal compression using joint fixed- and variable-length coding

Alatan A. A., Woods J.

IEEE International Symposium on Information Theory, SORRENTO, İtalya, 24 - 30 Haziran 2000, ss.405

CXCIV. Low-level motion activity features for semantic characterization of video

Peker K., Alatan A. A., Akansu A.

1st IEEE International Conference on Multimedia and Expo (ICME2000), New-York, Amerika Birleşik Devletleri, 30 Temmuz - 02 Ağustos 2000, ss.801-804

CXCV. On the choice of transforms for data hiding in compressed video

Ramkumar M., Akansu A., Alatan A. A.

IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP 99), Arizona, Amerika Birleşik Devletleri, 15 - 19 Mart 1999, ss.3049-3052

CXCVI. Joint utilization of fixed and variable-length codes for improving synchronization immunity for image transmission

Alatan A. A., Woods J.

IEEE International Conference on Image Processing, Illinois, Amerika Birleşik Devletleri, 4 - 07 Ekim 1998, ss.319-323

CXCVII. A rule-based method for object segmentation in video sequences

Alatan A. A., Tuncel E., Onural L.

International Conference on Image Processing, Santa-Barbara, Honduras, 26 - 29 Ekim 1997, ss.522-525

CXCVIII. Three-D motion and dense structure estimation using convex

Alatan A. A., Erdem A., Onural L.

1997 Conference on Visual Communications and Image Processing, San-Jose, Kostarika, 12 - 14 Şubat 1997, cilt.3024, ss.1122-1131

CXCIX. Joint estimation and optimum: Encoding of depth field for 3-D object-based video coding

Alatan A. A., Onural L.

International Conference on Image Processing (ICIP-96), Lausanne, İsviçre, 16 - 19 Eylül 1996, ss.871-874

CC. Object based 3-D motion and structure estimation

Alatan A. A., Onural L.

International Conference on Image Processing, Washington, Kiribati, 23 - 26 Ekim 1995

CCI. GIBBS RANDOM-FIELD MODEL-BASED 3-D MOTION ESTIMATION FROM VIDEO SEQUENCES

ALATAN A. A., ONURAL L.

Conference on Visual Communications and Image Processing 94, Illinois, Amerika Birleşik Devletleri, 25 - 29 Eylül 1994, cilt.2308, ss.626-637

CCII. GIBBS RANDOM FIELD MODEL BASED 3-D MOTION ESTIMATION BY WEAKENED RIGIDITY

ALATAN A. A., ONURAL L.

1994 IEEE International Conference on Image Processing (ICIP-94), Texas, Amerika Birleşik Devletleri, 13 - 16 Kasım 1994, ss.790-794

Desteklenen Projeler

2022 - 2024	GÖRÜNTÜ İŞLEME ALGORİTMALARININ NAVİGASYON UYGULAMALARINA ENTEGRASYONU PROJESİ, Savunma Sanayi Başkanlığı Destekli Proje
2022 - 2023	On-Board Image Processing Phase II, Diğer Ülkelerdeki Özel Organizasyonlar Tarafından Desteklenmiş Proje
2021 - 2023	Yenilikçi Yazılımlar Yarışıyor (Y3) 3. Dönem Gezinecik Projesi, Savunma Sanayi Başkanlığı Destekli Proje
2020 - 2023	ASSUREDNAV, Savunma Sanayi Başkanlığı Destekli Proje
2020 - 2022	H3DR Camera: Smart embedded camera with multi-exposure & multi-view capability for autonomous vehicles, TÜBİTAK Uluslararası İkili İşbirliği Projesi

2015 - 2022	Uydu Görüntülerinin Otomatik Analizi ile Afet Hasar Tespiti ve Kanunsuz Sınır Geçişlerinin Önlenmesi, Yükseköğretim Kurumları Destekli Proje
2021 - 2021	Geniş Alan Gözetleme Sistemi Performans Geliştirme ve 7 24 Termal Görüntü Alımı, Diğer Özel Kurumlarca Desteklenen Proje
2021 - 2021	Bilişsel Kamera-2, Savunma Sanayi Başkanlığı Destekli Proje
2020 - 2021	MİNİMİKRO İNSANSIZ HAVA ARACI TESPİT ALGORİTMASI (Faz-3), Diğer Özel Kurumlarca Desteklenen Proje
2020 - 2021	OBImPro On-Board Image Processing System (Phase1), Diğer Ülkelerdeki Özel Organizasyonlar Tarafından Desteklenmiş Proje
2020 - 2021	H3DR Camera, Diğer Ülkelerin Sivil Toplum Kuruluşları Tarafından Desteklenmiş Proje
2019 - 2021	Y3 (Yenilikçi Yazılımlar Yarışıyor) 2020, Savunma Sanayi Başkanlığı Destekli Proje
2019 - 2021	AKILLI MÜHİMMATLAR İÇİN GÖRSEL ANALİZ PROJESİ, Savunma Sanayi Başkanlığı Destekli Proje
2020 - 2020	Video Hedef Tespit Algoritması Geliştirmesi, Savunma Sanayi Başkanlığı Destekli Proje
2020 - 2020	MİNİ MİKRO İNSANSIZ HAVA ARACI TESPİT ALGORİTMASI GELİŞTİRME (Faz2), Savunma Sanayi Başkanlığı Destekli Proje
2020 - 2020	Radar İşaretleri Tespit Parametre Ölçümü (Uzatma), Savunma Sanayi Başkanlığı Destekli Proje
2020 - 2020	Geniş Alan Gözetleme Sistemi Performans Geliştirme ve 7 24 Termal Görüntü Alımı, Diğer Özel Kurumlarca Desteklenen Proje
2020 - 2020	Kameralli Trafik Durumu Duyargası, Diğer Özel Kurumlarca Desteklenen Proje
2019 - 2020	GÖRÜNTÜ İŞLEME İLE KAÇAK KULLANIM TESPİT VE TÜKETİM TAHMİN SİSTEMİ, Şirket
2019 - 2019	Video Hedef Tespit Algoritması Geliştirmesi, Savunma Sanayi Başkanlığı Destekli Proje
2018 - 2019	Yenilikçi Yazılımlar Yarışıyor (Y3) ArGe Projesi, Savunma Sanayi Başkanlığı Destekli Proje
2018 - 2019	Kent Güvenlik Yönetim Sistemleri için Bilişsel Kamera Geliştirilmesi Projesi , Savunma Sanayi Başkanlığı Destekli Proje
2016 - 2019	Radar İşaretleri Tespit Parametre Ölçümü, Savunma Sanayi Başkanlığı Destekli Proje
2017 - 2018	Hiperspektral Kimyasal Madde Görüntüleme ve Otomatik Tespit Projesi, Diğer Özel Kurumlarca Desteklenen Proje
2017 - 2017	GAG Eyleme Dönük Mekansal İstihbarat, Diğer Özel Kurumlarca Desteklenen Proje
2016 - 2017	HİPERSPEKTRAL KİMYASAL MADDE GÖRÜNTÜLEME VE OTOMATİK TESPİT PROJESİ, Diğer Özel Kurumlarca Desteklenen Proje
2016 - 2017	HİPERSPEKTRAL KİMYASAL MADDE GÖRÜNTÜLEME VE OTOMATİK TESPİT PROJESİ, Diğer Özel Kurumlarca Desteklenen Proje
2016 - 2017	Derin Öğrenme Tabanlı Görüntü Analizi Algoritmaları Geliştirme Projesi, Diğer Özel Kurumlarca Desteklenen Proje
2016 - 2016	İGT TUYGUN PROJESİ ALGORİTMA GELİŞTİRME FAALİYETLERİ HİZMETİ, Diğer Özel Kurumlarca Desteklenen Proje
2015 - 2016	GENİŞ ALAN HAVADAN GÖZETLEME STABİLİZE EO IR KAMERA SİSTEMİ, Diğer Özel Kurumlarca Desteklenen Proje
2015 - 2016	DERİN ÖĞRENME TABANLI GÖRÜNTÜ ANALİZİ ALGORİTMALARI GELİŞTİRME PROJESİ FAZ 1, Diğer Özel Kurumlarca Desteklenen Proje
2014 - 2016	YENİ NESİL ÖĞRENME ALGORİTMALARI İLE OTOMATİK VİDEO HAREKET SINIFLANDIRMA SİSTEMİ, Diğer Özel Kurumlarca Desteklenen Proje
2014 - 2015	İGT TUYGUN HİPERSPEKTRAL GÖRÜNTÜ ANALİZİ VE HEDEF TESPİTİ AR GE FAALİYETLERİ PROJESİ, Diğer Özel Kurumlarca Desteklenen Proje
2005 - 2009	KARİYER: Video Görsel Artıklıklarını Kullanarak Gürbüz 3-B Sahne Geri Çatımı, TÜBİTAK Projesi

Patent

2024	Nesne Algılama Yöntemi, Patent, BÖLÜM H Elektrik, Buluşun Tescil No: 2021 021550 , Standart Tescil, 2024
2024	Method and Apparatus for Frame Interpolation, Patent, BÖLÜM H Elektrik, Buluşun Tescil No: EP2214137 , Standart Tescil, 2024
2024	Derin öznitelik eşleştirme yöntemi., Patent, BÖLÜM H Elektrik, Buluşun Tescil No: 2021 009617 , Standart Tescil, 2024
2022	Korelasyon Filtresi Tabanlı Görsel Takip için bir Yöntem, Patent, BÖLÜM H Elektrik, Buluşun Tescil No: 2019 17539 , Standart Tescil, 2022
2022	A High Performance Object Detection System using HDR Images Obtained from LDR Cameras in Autonomous Vehicles, Patent, BÖLÜM H Elektrik, Buluşun Başvuru Numarası: PCT/TR2022/051657 , Standart Tescil, 2022
2021	Method for Correlation based Visual Tracking, Patent, BÖLÜM H Elektrik, Standart Tescil, 2021
2020	Hatipoğlu U. P., Alatan A. A., Albayrak R. T., An Object Detection Method, Patent, BÖLÜM H Elektrik, Buluşun Başvuru Numarası: PCT/TR2020/051025 , Standart Tescil, 2020
2020	Bir hedef tanımlama yöntemi, Patent, BÖLÜM H Elektrik, Buluşun Tescil No: 201607090 , Standart Tescil, 2020
2017	ALATAN A. A., Information permeability based disparity estimation in stereo video, Patent, BÖLÜM H Elektrik, Standart Tescil, 2017
2017	ALATAN A. A., Bir dönmeye bağışık hedef takip sistemi, Patent, BÖLÜM G Fizik, Standart Tescil, 2017
2017	ALATAN A. A., Method and apparatus for the detection and classification of occlusion regions, Patent, BÖLÜM H Elektrik, Standart Tescil, 2017
2015	ALATAN A. A., Method for Estimating motion vectors for frame interpolation, Patent, BÖLÜM H Elektrik, Standart Tescil, 2015
2002	Alatan A. A., Rule-based moving object segmentation, Patent, BÖLÜM H Elektrik, Buluşun Tescil No: US6337917 , Standart Tescil, 2002

Kontrata Dayalı Araştırmalar

2010 - Devam Ediyor	RTUK-KAVTAN
2018 - 2018	HAVELSAN A.Ş.
2017 - 2018	HAVELSAN A.Ş. ARGE PROJESİ
2017 - 2018	A SELSAN A.Ş. ARGE YENİLİK TASARIM PROJE
2015 - 2017	A SELSAN ARGE PROJE (3-Boyutlu Güvenlik Görüntüleme Radarı Projesi - Elektromanyetik Modelleme, Simulasyon ve Çözüm Yöntemleri Geliştirilmesi), Aselsan A.Ş.
2016 - 2016	ARGE YENİLİK PROJESİ
2016 - 2016	RHEİS ARGE YENİLİK TASARIM PROJE
2016 - 2016	Araştırma Merkezi Projesi (Yıl 2)
2016 - 2016	IGT TUYGUN PROJESİ (Ek)
2015 - 2016	A SELSAN A.Ş. PROJESİ
2015 - 2016	ESEN SİSTEM ENT. LTD. DANIŞMANLIK
2014 - 2015	HAVELSAN A.Ş. PROJESİ
2013 - 2013	A SELSAN A.Ş. PROJESİ
2012 - 2012	A SELSAN A.Ş. PROJESİ
2010 - 2010	TÜBİTAK UZAY DANIŞMANLIK
2009 - 2010	KAVTAN
2009 - 2010	A SELSAN A.Ş.
2009 - 2009	A SELSAN A.Ş.
2009 - 2009	TÜBİTAK-UZAY
2008 - 2009	A SELSAN

Bilimsel Dergilerdeki Faaliyetler

2014 - Devam Ediyor IEEE Transactions On Image Processing, Yardımcı Editör/Bölüm Editörü

Bilimsel Kuruluşlardaki Üyelikler / Görevler

2017 - Devam Ediyor Bilim Akademisi Derneği, Yönetim Kurulu Üyesi

2014 - Devam Ediyor Bilim Akademisi Derneği, Üye

Metrikler

Yayın: 247

Atıf (WoS): 2230

Atıf (Scopus): 3561

H-İndeks (WoS): 21

H-İndeks (Scopus): 25

Ödüller

Eylül 2020

CVPR 2020 Anti-UAV Workshop & Challenge Best Paper Award, Computer Vision Foundation (Cvf) Cvpr Workshop

Haziran 2017

Visual Object Tracking 2017 Winning Tracker, Slovenya