

## Prof.Dr. ABDULLAH AYDIN ALATAN

### Kişisel Bilgiler

İş Telefonu: [+90 312 210 2351](tel:+903122102351)

Fax Telefonu: [+90 312 210 2304](tel:+903122102304)

E-posta: [alatan@metu.edu.tr](mailto:alatan@metu.edu.tr)

Web: <https://users.metu.edu.tr/alatan>

Posta Adresi: ODTÜ Elektrik ve Elektronik Mühendisliği Bölümü, Balgat 06800 Ankara

### Eğitim Bilgileri

Doktora, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Ve Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), Türkiye 2002 - 2007

Yüksek Lisans, Imperial College Of Science, Technology And Medicine, Elektrik Ve Elektronik Mühendisliği, İngiltere 2001 - 2002

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 1986 - 1990

### 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

Prof.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2010 - Devam Ediyor

Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2004 - 2010

Yrd.Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2000 - 2004

Öğretim Görevlisi Dr., New Jersey Institute Of Technology, 1998 - 2000

Öğretim Görevlisi Dr., Rensselaer Polytechnic Institute, 1997 - 1998

Araştırma Görevlisi, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1993 - 1997

### Mesleki Deneyim

Merkez Müdürü, Orta Doğu Teknik Üniversitesi, Ogam, 2014 - Devam Ediyor

Bölüm Başkan Yardımcısı, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2008 - 2013

## Yönetilen Tezler

- ALATAN A. A. , Yarı denetimli eğitilmiş katlamalı filtreler ile görsel obje takibi, Yüksek Lisans, E.Can(Öğrenci), 2020
- ALATAN A. A. , Metric learning using deep recurrent networks for visual clustering and retrieval, Yüksek Lisans, O.CAN(Öğrenci), 2018
- ALATAN A. A. , Visual object detection and tracking using local convolutional context features and recurrent neural networks, Yüksek Lisans, E.CAN(Öğrenci), 2018
- ALATAN A. A. , Geospatial object recognition using deep networks for satellite images, Yüksek Lisans, O.BARUT(Öğrenci), 2018
- ALATAN A. A. , Superpixel-based target detection methods for hyperspectral images, Yüksek Lisans, M.KÜTÜK(Öğrenci), 2018
- ALATAN A. A. , Good features to correlate for visual tracking, Doktora, E.GÜNDOĞDU(Öğrenci), 2017
- ALATAN A. A. , Superpixel based image sequence representation and motion estimation, Doktora, K.GÖKALP(Öğrenci), 2017
- ALATAN A. A. , Stratified calibration and group synchronized focal length estimation for structure from motion algorithms, Yüksek Lisans, A.ÇALIŞKAN(Öğrenci), 2017
- VURAL E., ALATAN A. A. , Spectral graph based approach for analysis of 3D LIDAR point clouds, Yüksek Lisans, E.BAYRAM(Öğrenci), 2017
- ALATAN A. A. , Hierarchical representations for visual object tracking by detection, Yüksek Lisans, B.BEŞBİNAR(Öğrenci), 2015
- ALATAN A. A. , Robust content-based copy detection and information theoretic indexing strategies, Doktora, A.SARACOĞLU(Öğrenci), 2015
- ALATAN A. A. , Representing images and regions for object recognition, Yüksek Lisans, İ.BUZCU(Öğrenci), 2015
- ALATAN A. A. , Occlusion aware stereo matching with  $O(1)$  complexity, Yüksek Lisans, Y.ZİYA(Öğrenci), 2014
- ALATAN A. A. , Örtmeleri gözeterek  $O(1)$  karmaşıklıkta stereo eşleme., Yüksek Lisans, Y.Ziya(Öğrenci), 2014
- ALATAN A. A. , Accurate 3D tracking using visual and depth data, Doktora, O.SERDAR(Öğrenci), 2014
- ALATAN A. A. , Saliency-based visual tracking using correlation filters for surveillance applications, Yüksek Lisans, E.TUNALI(Öğrenci), 2014
- ALATAN A. A. , Planar 3D scene representations for depth compression, Doktora, B.OĞUZ(Öğrenci), 2014
- ALATAN A. A. , Deep convolutional neural networks with an application towards geospatial object recognition, Yüksek Lisans, E.BATI(Öğrenci), 2014
- ALATAN A. A. , An efficient graph-theoretical approach for interactive mobile image and video segmentation, Yüksek Lisans, O.ŞENER(Öğrenci), 2013
- ALATAN A. A. , Superpixel based efficient image representation for segmentation and classification, Doktora, H.EMRAH(Öğrenci), 2013
- ALATAN A. A. , Tracking by classification, Yüksek Lisans, T.MARPUÇ(Öğrenci), 2013
- ALATAN A. A. , Visual-inertial sensor fusion for 3D urban modeling, Doktora, S.SIRTKAYA(Öğrenci), 2013
- ALATAN A. A. , Efficient inertially aided visual odometry towards mobile augmented reality, Yüksek Lisans, Y.AKSOY(Öğrenci), 2013
- ALATAN A. A. , Occlusion-aware 3D multiple object tracking for visual surveillance, Doktora, O.TOPÇU(Öğrenci), 2013
- ALATAN A. A. , A complexity-utility framework for optimizing quality of experience for visual content in mobile devices, Doktora, Ö.DENİZ(Öğrenci), 2012
- ALATAN A. A. , Steganography through perspective invariance, Doktora, Y.YAŞAROĞLU(Öğrenci), 2012
- ALATAN A. A. , A fully automatic shape based geo-spatial object recognition, Yüksek Lisans, M.ERGÜL(Öğrenci), 2012
- ALATAN A. A. , Digital surface models from spaceborne images without ground control, Doktora, Y.ATASEVEN(Öğrenci), 2012
- ALATAN A. A. , A comparative study on pose estimation algorithms using visual data, Yüksek Lisans, G.ÇETİNKAYA(Öğrenci), 2012
- ALATAN A. A. , Feature detection and matching towards augmented reality applications on mobile devices, Yüksek Lisans, E.GÜNDOĞDU(Öğrenci), 2012
- ALATAN A. A. , Real-time stereo to multi-view video conversion, Doktora, C.ÇIĞLA(Öğrenci), 2012

ALATAN A. A. , Vision-assisted object tracking, Yüksek Lisans, KARDA(Öğrenci), 2012

ALATAN A. A. , Global appearance based airplane detection from satellite imagery, Yüksek Lisans, D.ARSLAN(Öğrenci), 2012

ALATAN A. A. , Joint utilization of local appearance descriptors and semi-local geometry for multi-view object recognition, Doktora, M.SOYSAL(Öğrenci), 2012

ALATAN A. A. , Geo-spatial object detection using local descriptors, Yüksek Lisans, Ç.AYTEKİN(Öğrenci), 2011

ALATAN A. A. , Range data recognition: Segmentation, matching, and similarity retrieval, Doktora, N.YALÇIN(Öğrenci), 2011

ALATAN A. A. , İki görüntülü video ve uçuş süresi kamerası ile gerçek zamanlı gelişigüzel görü imgesi oluşturulması,, Yüksek Lisans, T.Kağan(Öğrenci), 2010

ALATAN A. A. , Quantization based data hiding strategies with visual applications, Doktora, E.ESEN(Öğrenci), 2010

ALATAN A. A. , Real-time arbitrary view rendering from stereo video and time-of-flight camera, Yüksek Lisans, T.KAĞAN(Öğrenci), 2010

ALATAN A. A. , Shadow detection and compensation in aerial images with an application to building height estimation, Yüksek Lisans, A.ŞEREF(Öğrenci), 2010

ÇİLOĞLU T., ALATAN A. A. , Rotation, scale and rotation invariant automatic target recognition using template matching for satellite imagery, Yüksek Lisans, A.ERTÜRK(Öğrenci), 2010

HALICI U., ALATAN A. A. , Extraction of buildings in satellite images, Yüksek Lisans, M.ÇETİN(Öğrenci), 2010

ALATAN A. A. , Motion Compensated Frame Rate Up Conversion Via Block Based Motion Estimation With Occlusion Handling, Yüksek Lisans, B.GÜNYEL(Öğrenci), 2009

ALATAN A. A. , Computer simulation and implementation of a visual 3-D eye gaze tracker for autostereoscopic displays, Yüksek Lisans, K.GÖKALP(Öğrenci), 2009

ALATAN A. A. , A comparative performance evaluation of scale invariant interest point detectors for infrared and visual images, Yüksek Lisans, E.EMİR(Öğrenci), 2008

ALATAN A. A. , Video shot boundary detection by graph theoretic approaches, Yüksek Lisans, E.AŞAN(Öğrenci), 2008

ALATAN A. A. , Robust extraction of sparse 3D points from image sequences, Yüksek Lisans, E.VURAL(Öğrenci), 2008

ALATAN A. A. , Motion segmentation and its applications to depth ordering and frame rate up-conversion, Yüksek Lisans, E.TÜRETKEN(Öğrenci), 2008

ALATAN A. A. , Prioritized 3D scene reconstruction and rate-distortion efficient representation for video sequences, Doktora, E.İMRE(Öğrenci), 2007

ALATAN A. A. , Üç boyut gösterimler için görünmez damgalama yöntemleri,, Doktora, A.Koz(Öğrenci), 2007

ALATAN A. A. , Dense depth map estimation for object segmentation in multi-view video, Yüksek Lisans, C.ÇİĞLA(Öğrenci), 2007

ALATAN A. A. , Multi-camera video surveillance: Detection, occlusion handling, tracking and event recognition, Yüksek Lisans, O.AKMAN(Öğrenci), 2007

ALATAN A. A. , Localization and recognition of text in digital media, Yüksek Lisans, A.SARACOĞLU(Öğrenci), 2007

ALATAN A. A. , Sık derinlik haritası ile çok-görüntülü video kodlaması,, Yüksek Lisans, B.Oğuz(Öğrenci), 2006

ALATAN A. A. , Güvenlik amaçlı video sistemlerinde hareketli neslerin tanınması ve olay analizi, Yüksek Lisans, B.Birant(Öğrenci), 2005

ALATAN A. A. , Bağımsız olarak hareket eden nesnelere içeren bir sahnenin çoklu resimlerden 3 boyutlu sahne yapısının çıkarılması, Yüksek Lisans, E.Tola(Öğrenci), 2005

ALATAN A. A. , Kızılötesi görüntülerde otomatik hedef tanıma,, Yüksek Lisans, T.Makbule(Öğrenci), 2004

ALATAN A. A. , 2 boyutlu ve 3 boyutlu sahnelerde hareketli nesne tespiti,, Yüksek Lisans, S.Sırtkaya(Öğrenci), 2004

ALATAN A. A. , Geliştirilmiş bölge modellemesiyle resim bölütleme, Yüksek Lisans, O.Ersoy(Öğrenci), 2004

ALATAN A. A. , Rasgele görüntülerde ilgi noktası eşleme,, Yüksek Lisans, İ.Bayram(Öğrenci), 2004

ALATAN A. A. , Kaynakları sınırlı cihazlara yönelik fayda kuramına dayanan video adaptasyonu, Yüksek Lisans, Ö.Deniz(Öğrenci), 2003

ALATAN A. A. , Boyut indirgeme yoluyla bütüncü yüz tanıma, Yüksek Lisans, A.Bahtiyar(Öğrenci), 2003

ALATAN A. A. , Bilgi saklama ile dayanıklı video iletimi, Yüksek Lisans, A.Yılmaz(Öğrenci), 2003

ALATAN A. A. , İçerik tabanlı çoklu ortam endekslemesi için ses ve görüntü bilgisi yardımıyla saklı Markov modeli kullanarak video özetleme, Yüksek Lisans, Y.Yaşaroğlu(Öğrenci), 2003

- ALATAN A. A. , Anlamsal tanımlamalar için görüntü öznelikleri birleştirme, Yüksek Lisans, M.Soyсал(Öğrenci), 2003  
ALATAN A. A. , Digital watermarking based on human visual system, Yüksek Lisans, A.KOZ(Öğrenci), 2002  
ALATAN A. A. , Face detection using learning networks, Yüksek Lisans, F.BORAY(Öğrenci), 2002  
ALATAN A. A. , Face detection using a mixture of subspaces, Yüksek Lisans, E.TAŞLIDERE(Öğrenci), 2002  
ALATAN A. A. , Detecting and recognizing text from video frames, Yüksek Lisans, S.TEKİNALP(Öğrenci), 2002  
ALATAN A. A. , Face recognition using Gabor wavelet transform, Yüksek Lisans, B.KEPENEKÇİ(Öğrenci), 2001

## Araştırma Altyapısı Bilgileri

Alatan A. A. , Görüntü Analizi Uygulama ve Araştırma Merkezi, Ağustos 2014

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

- I. **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 İndekslerine Giren Dergi)
- II. **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 İndekslerine Giren Dergi)
- III. **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 İndekslerine Giren Dergi)
- IV. **Good Features to Correlate for Visual Tracking**  
Gundogdu E., Alatan A. A.  
IEEE TRANSACTIONS ON IMAGE PROCESSING, cilt.27, ss.2526-2540, 2018 (SCI İndekslerine Giren Dergi)
- V. **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 İndekslerine Giren Dergi)
- VI. **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 İndekslerine Giren Dergi)
- VII. **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 İndekslerine Giren Dergi)
- VIII. **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 İndekslerine Giren Dergi)
- IX. **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 İndekslerine Giren Dergi)
- X. **An efficient recursive edge-aware filter**  
Cigla C., Alatan A. A.  
SIGNAL PROCESSING-IMAGE COMMUNICATION, cilt.29, ss.998-1014, 2014 (SCI İndekslerine Giren Dergi)
- XI. **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 İndekslerine Giren Dergi)
- XII. **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 İndekslerine Giren Dergi)
- XIII. **User assisted disparity remapping for stereo images**  
Tasli H. E. , Alatan A. A.  
SIGNAL PROCESSING-IMAGE COMMUNICATION, cilt.28, ss.1374-1389, 2013 (SCI İndekslerine Giren Dergi)
- XIV. **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 İndekslerine Giren Dergi)
- XV. **Information permeability for stereo matching**  
Cigla C., Alatan A. A.  
SIGNAL PROCESSING-IMAGE COMMUNICATION, cilt.28, ss.1072-1088, 2013 (SCI İndekslerine Giren Dergi)
- XVI. **Introduction to the Issue on Emerging Techniques in 3-D**  
Alatan A. A. , Ostermann J., ONURAL L., AlRegib G., Mattoccia S., Yuan C.  
IEEE JOURNAL OF SELECTED TOPICS IN SIGNAL PROCESSING, cilt.6, sa.5, ss.409-410, 2012 (SCI İndekslerine Giren Dergi)
- XVII. **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 İndekslerine Giren Dergi)
- XVIII. **Dominant sets based movie scene detection**  
SAKARYA U., Telatar Z., ALATAN A. A.  
SIGNAL PROCESSING, cilt.92, sa.1, ss.107-119, 2012 (SCI İndekslerine Giren Dergi)
- XIX. **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 İndekslerine Giren Dergi)
- XX. **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 İndekslerine Giren Dergi)
- XXI. **Watermarking of Free-view Video**  
Koz A., Cigla C., Alatan A. A.  
IEEE TRANSACTIONS ON IMAGE PROCESSING, cilt.19, ss.1785-1797, 2010 (SCI İndekslerine Giren Dergi)
- XXII. **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 İndekslerine Giren Dergi)
- XXIII. **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 İndekslerine Giren Dergi)
- XXIV. **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 İndekslerine Giren Dergi)
- XXV. **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 İndekslerine Giren Dergi)
- XXVI. **3-d time-varying scene capture technologies - A survey**  
STOYKOVA E., Alatan A. A. , BENZİE P., GRAMMALIDIS N., MALASSIOTIS S., OSTERMANN J., PİEKH 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 İndekslerine Giren Dergi)
- XXVII. **Scene representation technologies for 3DTV - A survey**  
Alatan A. A. , Yemez Y., Gueduekbay U., Zabulis X., Mueller K., ERDEM C. E. , WEİGEL C., SMOLİC A.

- IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY, cilt.17, sa.11, ss.1587-1605, 2007 (SCI İndekslerine Giren Dergi)
- XXVIII. **Towards 3-D scene reconstruction from broadcast video**  
Imre E., KNORR S., ÖZKALAYCI B., TOPAY U., Alatan A. A. , SÍKORA T.  
SIGNAL PROCESSING-IMAGE COMMUNICATION, cilt.22, sa.2, ss.108-126, 2007 (SCI İndekslerine Giren Dergi)
- XXIX. **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 İndekslerine Giren Dergi)
- XXX. **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 İndekslerine Giren Dergi)
- XXXI. **Summarizing video: Content, features, and HMM topologies**  
Yasaroglu Y., Alatan A.  
VISUAL CONTENT PROCESSING AND REPRESENTATION, PROCEEDINGS, cilt.2849, ss.101-110, 2003 (SCI İndekslerine Giren Dergi)
- XXXII. **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 İndekslerine Giren Dergi)
- XXXIII. **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 İndekslerine Giren Dergi)
- XXXIV. **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 İndekslerine Giren Dergi)
- XXXV. **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 İndekslerine Giren Dergi)
- XXXVI. **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 İndekslerine Giren Dergi)
- XXXVII. **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 İndekslerine Giren Dergi)
- XXXVIII. **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 İndekslerine Giren Dergi)

## **Kitap & Kitap Bölümleri**

- I. **3D Watermarking: Techniques and Directions**  
KOZ A., Triantafyllidis G., ALATAN A. A.

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **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
- II. **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
- III. **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
- IV. **Vision-Based Lighting State Detection and Curtain Openness Ratio Prediction**  
Kalfaoğlu E., Gürsel Dino I., Işeri 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
- V. **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
- VI. **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
- VII. **Video Content Analysis-Based Detection of Occupant Presence for Building Energy Modelling**  
Gürsel Dino I., Kalfaoğlu E., Sarı A. E. , Akın Ş., Işeri 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, İngiltere, 18 - 20 Eylül 2019
- VIII. **Automated building energy modeling for existing buildings using computer vision**  
Gürsel Dino I., Sarı A. E. , Kalfaoğlu E., Akın Ş., Işeri 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, İngiltere, 18 - 20 Eylül 2019
- IX. **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
- X. **Antenna Scan Period Estimation of Radars with Cepstrum and Scoring**  
Kalfaoğlu M. E. , Can O., Yildirim B., ALATAN A. A.  
27th Signal Processing and Communications Applications Conference (SIU), Sivas, Türkiye, 24 - 26 Nisan 2019
- XI. **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
- XII. **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

- XIII. **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
- XIV. **The sixth visual object tracking VOT2018 challenge results**  
Kristan M., Leonardis A., Matas J., Felsberg M., Pflugfelder R., Zajc L. Č. , Vojtř 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
- XV. **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
- XVI. **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
- XVII. **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
- XVIII. **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
- XIX. **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
- XX. **Extended Object Tracking and Shape Classification**  
Tuncer B., Kumru M., Alatan A. A. , Özkan E.  
21st International Conference on Information Fusion., Cambridge, Kanada, 10 - 13 Temmuz 2018
- XXI. **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
- XXII. **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
- XXIII. **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
- XXIV. **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
- XXV. **Roadesic 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
- XXVI. **A graph signal filtering-based approach for detection of differentiated 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
- XXVII. **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
- XXVIII. **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
- XXIX. **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
- XXX. **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
- XXXI. **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
- XXXII. **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
- XXXIII. **Association Cost Enforcing Spatial Consistency for Tractlet Merging**  
GÜRBÜZ Y. Z. , Can O., ALATAN A. A.  
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Türkiye, 15 - 18 Mayıs 2017
- XXXIV. **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
- XXXV. **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
- XXXVI. **SPATIAL WINDOWING FOR CORRELATION FILTER BASED VISUAL TRACKING**  
gündoğdu e., ALATAN A. A.  
International Conference on Image Processing, 25 - 29 Eylül 2016
- XXXVII. **OBJECT CLASSIFICATION IN INFRARED IMAGES USING DEEP REPRESENTATIONS**  
Gündoğdu E., Koç A., ALATAN A. A.  
International Conference on Image Processing, 25 - 29 Eylül 2016
- XXXVIII. **FISHER SELECTIVE SEARCH FOR OBJECT DETECTION**  
BUZCU I., ALATAN A. A.  
International Conference on Image Processing, 25 - 28 Eylül 2016
- XXXIX. **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
- XL. **TOTAL CARBON MAPPING WITH HYPERSPECTRAL UNMIXING TECHNIQUES**  
SOYDAN H., Koz A., DÜZGÜN H. Ş. , ALATAN A. A.  
WHISPERS 2016, 21 - 24 Ağustos 2016
- XLI. **REGISTRATION OF MWIR LWIR BAND HYPERSPECTRAL IMAGES**  
Koz A., ÇALIŞKAN A., ALATAN A. A.  
WHISPERS 2016, 21 - 24 Ağustos 2016
- XLII. **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
- XLIII. **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
- XLIV. **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
- XLV. **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
- XLVI. **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
- XLVII. **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
- XLVIII. **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
- XLIX. **LASP Local adaptive super pixels**  
İNCE K. G. , Çığla C., ALATAN A. A.  
International Conference on Image Processing, 27 - 30 Eylül 2015
- L. **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
- LI. **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
- LII. **Hyperspectral anomaly detection method based on autoencoder**  
Bati E., ALATAN A. A.  
SPIE Remote Sensing, Image and Signal Processing for Remote Sensing Conference, Toulouse, Fransa, 21 - 24 Eylül 2015
- LIII. **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
- LIV. **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
- LV. **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

- LVI. 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
- LVII. 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
- LVIII. 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
- LIX. 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
- LX. 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
- LXI. 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
- LXII. 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
- LXIII. OCCLUSION-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
- LXIV. 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
- LXV. 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
- LXVI. 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
- LXVII. 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
- LXVIII. 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
- LXIX. 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
- LXX. **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
- LXXI. **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
- LXXII. **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
- LXXIII. **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
- LXXIV. **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
- LXXV. **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
- LXXVI. **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
- LXXVII. **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
- LXXVIII. **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
- LXXIX. **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
- LXXX. **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
- LXXXI. **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
- LXXXII. **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

- LXXXIII. **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
- LXXXIV. **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
- LXXXV. **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
- LXXXVI. **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
- LXXXVII. **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
- LXXXVIII. **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
- LXXXIX. **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
- XC. **Efficient Edge-Preserving Stereo Matching**  
Cigla C., ALATAN A. A.  
IEEE International Conference on Computer Vision (ICCV), Barcelona, İspanya, 6 - 13 Kasım 2011
- XCII. **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
- XCIII. **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
- XCIII. **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
- XCIV. **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
- XCV. **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
- XCVI. **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

**XCVII. 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

**XCVIII. 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

**XCIX. 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

**C. 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

**CI. 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

**CII. 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

**CIII. 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

**CIV. 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

**CV. 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 (Kktc), 14 - 16 Eylül 2009, ss.7-11

**CVI. 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 (Kktc), 14 - 16 Eylül 2009, ss.60-61

**CVII. 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

**CVIII. 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

**CIX. 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

- CX. 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
- CXI. 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
- CXII. 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
- CXIII. 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
- CXIV. 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
- CXV. 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
- CXVI. 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
- CXVII. 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
- CXVIII. 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
- CXIX. 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
- CXX. 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
- CXXI. 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
- CXXII. **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
- CXXIII. **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
- CXXIV. **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
- CXXV. **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
- CXXVI. **Region-based dense depth extraction from multi-view video**  
Cigla C., Zabulis X., ALATAN A. A.  
IEEE International Conference on Image Processing (ICIP 2007), San-Antonio, Kuzey Mariana Adaları, 16 - 19 Eylül 2007, ss.2465-2466
- CXXVII. **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
- CXXVIII. **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
- CXXIX. **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
- CXXX. **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
- CXXXI. **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
- CXXXII. **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
- CXXXIII. **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
- CXXXIV. **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

- CXXXV. **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
- CXXXVI. **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
- CXXXVII. **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
- CXXXVIII. **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
- CXXXIX. **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
- CXL. **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
- CXLI. **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
- CXLII. **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
- CXLIII. **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
- CXLIV. **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
- CXLV. **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
- CXLVI. **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
- CXLVII. **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
- CXLVIII. **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
- CXLIX. **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

- CL. **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
- CLL. **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
- CLLII. **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
- CLLIII. **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
- CLLIV. **Automatic multi-modal dialogue scene indexing**  
Alatan A.  
International Conference on Image Processing (ICIP 2001), Thessaloniki, Yunanistan, 7 - 10 Ekim 2001, ss.374-377
- CLLV. **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.1016-1019
- CLLVI. **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
- CLLVII. **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
- CLLVIII. **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
- CLLIX. **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
- CLLX. **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
- CLLXI. **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
- CLLXII. **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

**CLXIII. 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

**CLXIV. 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

**CLXV. Object based 3-D motion and structure estimation**

Alatan A. A. , Onural L.

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

**CLXVI. 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

**CLXVII. 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

Şahin E., Koku A. B. , Turgut A. E. , Saranlı U., Kalkan S., Keysan O., Cinbiş R. G. , Akbaş E., Ankaralı M. M. , Saranlı A., et al, CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, ROBOTİK TEKNOLOJİLERİ ARAŞTIRMA, GELİŞTİRME ve EĞİTİM MERKEZİ (ROMER), 2019 - 2022

Alatan A. A. , Saranlı A., Savunma Sanayi Başkanlığı Destekli Proje, AKILLI MÜHİMMATLAR İÇİN GÖRSEL ANALİZ PROJESİ, 2019 - 2021

Alatan A. A. , Kütük M., Aydın A., Şirket, GÖRÜNTÜ İŞLEME İLE KAÇAK KULLANIM TESPİT VE TÜKETİM TAHMİN SİSTEMİ, 2019 - 2020

Gürsel Dino I., Kalkan S., Alatan A. A. , TÜBİTAK Uluslararası İkili İşbirliği Projesi, SISER: A Stakeholder-Oriented Intelligent System for Building Energy Retrofitting, 2018 - 2020

Alatan A. A. , Köksal A., Savunma Sanayi Başkanlığı Destekli Proje, Video Hedef Tespit Algoritması Geliştirmesi, 2019 - 2019

Alatan A. A. , Savunma Sanayi Başkanlığı Destekli Proje, Yenilikçi Yazılımlar Yarışıyor (Y3) ArGe Projesi, 2018 - 2019

Alatan A. A. , Kamışlı F., Akyüz A. O. , Temizel A., Halıcı U., Ulusoy İ., Saranlı A., Akar G., Böncü E. S. , Çakırgöz Ç. C. , Savunma Sanayi Başkanlığı Destekli Proje, Kent Güvenlik Yönetim Sistemleri için Bilişsel Kamera Geliştirilmesi Projesi , 2018 - 2019

Alatan A. A. , Savunma Sanayi Başkanlığı Destekli Proje, Radar İşaretleri Tespit Parametre Ölçümü, 2016 - 2019

Esentürk O., Alatan A. A. , Diğer Özel Kurumlarca Desteklenen Proje, Hiperspektral Kimyasal Madde Görüntüleme ve Otomatik Tespit Projesi, 2017 - 2018

ALATAN A. A. , LELOĞLU U. M. , Diğer Özel Kurumlarca Desteklenen Proje, GAG Eyleme Dönük Mekansal İstihbarat, 2017 - 2017

Esentürk O., Alatan A. A. , Diğer Özel Kurumlarca Desteklenen Proje, HİPERSPEKTRAL KİMYASAL MADDE GÖRÜNTÜLEME VE OTOMATİK TESPİT PROJESİ, 2016 - 2017

AYTEKİN Y. S. , ÇETİN Y., ÖZDEMİR O. B. , ALATAN A. A. , Diğer Özel Kurumlarca Desteklenen Proje, HİPERSPEKTRAL KİMYASAL MADDE GÖRÜNTÜLEME VE OTOMATİK TESPİT PROJESİ, 2016 - 2017

ALATAN A. A. , Diğer Özel Kurumlarca Desteklenen Proje, Derin Öğrenme Tabanlı Görüntü Analizi Algoritmaları Geliştirme Projesi, 2016 - 2017

ALATAN A. A. , Diğer Özel Kurumlarca Desteklenen Proje, İGT TUYGUN PROJESİ ALGORİTMA GELİŞTİRME FAALİYETLERİ HİZMETİ, 2016 - 2016

ALATAN A. A. , Diğer Özel Kurumlarca Desteklenen Proje, GENİŞ ALAN HAVADAN GÖZETLEME STABİLİZE EO IR

KAMERA SİSTEMİ, 2015 - 2016

ALATAN A. A. , Diğer Özel Kurumlarca Desteklenen Proje, DERİN ÖĞRENME TABANLI GÖRÜNTÜ ANALİZİ ALGORİTMALARI GELİŞTİRME PROJESİ FAZ 1, 2015 - 2016

ALATAN A. A. , Diğer Özel Kurumlarca Desteklenen Proje, YENİ NESİL ÖĞRENME ALGORİTMALARI İLE OTOMATİK VİDEO HAREKET SINIFLANDIRMA SİSTEMİ, 2014 - 2016

ALATAN A. A. , Diğer Özel Kurumlarca Desteklenen Proje, İGT TUYGUN HİPERSPEKTRAL GÖRÜNTÜ ANALİZİ VE HEDEF TESPİTİ AR GE FAALİYETLERİ PROJESİ, 2014 - 2015

## Patent

ALATAN A. A. , Information permeability based disparity estimation in stereo video, Patent, BÖLÜM H Elektrik, İlk Tescil, 2017

ALATAN A. A. , Method and apparatus for the detection and classification of occlusion regions, Patent, BÖLÜM H Elektrik, İlk Tescil, 2017

ALATAN A. A. , Bir dönmeye bağışık hedef takip sistemi, Patent, BÖLÜM G Fizik, İlk Tescil, 2017

ALATAN A. A. , Method and Apparatus for Frame Interpolation, Patent, BÖLÜM H Elektrik, İlk Tescil, 2015

ALATAN A. A. , Method for Estimating motion vectors for frame interpolation, Patent, BÖLÜM H Elektrik, İlk Tescil, 2015

Alatan A. A. , Rule-based moving object segmentation, Patent, BÖLÜM H Elektrik, İlk Tescil, 2002

## Kontrata Dayalı Araştırmalar

ALATAN A. A. , RTUK-KAVTAN, 2010 - Devam Ediyor

ALATAN A. A. , HAVELSAN A.Ş., 2018 - 2018

ALATAN A. A. , HAVELSAN A.Ş. ARGE PROJESİ, 2017 - 2018

ALATAN A. A. , ASELSAN A.Ş. ARGE YENİLİK TASARIM PROJE, 2017 - 2018

Öktem S. F. , Alatan L. , Aydın Çivi H. Ö. , Alatan A. A. , Koç S. S. , Candan Ç. , Aselsan A.Ş., ASELSAN ARGE PROJE (3-Boyutlu Güvenlik Görüntüleme Radarı Projesi - Elektromanyetik Modelleme, Simulasyon ve Çözüm Yöntemleri Geliştirilmesi), 2015 - 2017

ALATAN A. A. , ARGE YENİLİK PROJESİ, 2016 - 2016

ALATAN A. A. , RHEİS ARGE YENİLİK TASARIM PROJE, 2016 - 2016

ALATAN A. A. , Araştırma Merkezi Projesi (Yıl 2), 2016 - 2016

ALATAN A. A. , İGT TUYGUN PROJESİ (Ek), 2016 - 2016

ALATAN A. A. , ASELSAN A.Ş. PROJESİ, 2015 - 2016

ALATAN A. A. , ESEN SİSTEM ENT. LTD. DANISMANLIK, 2015 - 2016

ALATAN A. A. , HAVELSAN A.Ş. PROJESİ, 2014 - 2015

ALATAN A. A. , ASELSAN A.Ş. PROJESİ, 2013 - 2013

ALATAN A. A. , ASELSAN A.Ş. PROJESİ, 2012 - 2012

ALATAN A. A. , TÜBİTAK UZAY DANIŞMANLIK, 2010 - 2010

ALATAN A. A. , KAVTAN, 2009 - 2010

ALATAN A. A. , ASELSAN A.Ş., 2009 - 2010

ALATAN A. A. , ASELSAN A.Ş., 2009 - 2009

ALATAN A. A. , TÜBİTAK-UZAY, 2009 - 2009

ALATAN A. A. , ASELSAN, 2008 - 2009

## Bilimsel Dergilerdeki Faaliyetler

Ieee Transactions On Image Processing, Yardımcı Editör, 2014 - Devam Ediyor

## **Bilimsel Kuruluşlardaki Üyelikler / Görevler**

Bilim Akademisi Derneđi, Yönetim Kurulu Üyesi, 2017 - Devam Ediyor

Bilim Akademisi Derneđi, Üye, 2014 - Devam Ediyor

## **Atıflar**

Toplam Atıf Sayısı (WOS):1084

h-indeksi (WOS):17