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## Kişisel Bilgiler

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## Eğitim Bilgileri

Doktora, University of Maryland, Engineering Faculty, Computer Science, Amerika Birleşik Devletleri 1997 - 2001
Yüksek Lisans, University of Maryland, Engineering Faculty, Computer Science, Amerika Birleşik Devletleri 1995 - 1997
Lisans, İhsan Doğramacı Bilkent Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Türkiye 1989 - 1994

## Yabancı Diller

İngilizce, C2 Ustalık

## Yaptığı Tezler

Doktora, On Auto-Configuration of Routerless, Single-Router and Multi-Router Networks, University of Maryland, Computer Science Department, 2001

## Araştırma Alanları

Bilgisayar Bilimleri, Mühendislik ve Teknoloji

## Akademik Unvanlar / Görevler

Doç.Dr., Eskişehir Osmangazi Üniversitesi, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği, 2019 - Devam Ediyor
Doç.Dr., Anadolu Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2013 - 2019
Yrd.Doç.Dr., Anadolu Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2003 - 2013

## Akademik İdari Deneyim

Anadolu Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2010 - 2014
Anadolu Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2004 - 2013
Anadolu Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2004 - 2010

## Verdiği Dersler

UZMANLIK ALAN DERSİ (YL)(J), Yüksek Lisans, 2020 - 2021
ALGORITHMS AND COMPLEXITY(A), Lisans, 2019 - 2020
INTRODUCTION TO MICROCOMPUTERS(A), Lisans, 2020 - 2021
INTRODUCTION TO MICROCOMPUTERS LAB.(A), Lisans, 2020 - 2021
VERİ YAPILARI(A), Lisans, 2020 - 2021
PROBLEMS IN DATA STRUCTURES AND ALGORITHMS(A), Lisans, 2019 - 2020
ENGINEERING RESEARCH ON DATA STRUCTURES(A), Lisans, 2020 - 2021
ALGORITHMS AND COMPLEXITY(B), Lisans, 2019 - 2020
YÜKSEK LİSANS TEZ ÇALIŞMASI(J), Yüksek Lisans, 2020 - 2021
VERİ YAPILARI LABORATUVARI(A), Lisans, 2020 - 2021

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

I. **Accurate CNN-based pupil segmentation with an ellipse fit error regularization term**
AKINLAR C., Kucukkartal H. K., Topal C.
Expert Systems with Applications, cilt.188, 2022 (SCI-Expanded)

II. **SliceType: fast gaze typing with a merging keyboard**
Benligiray B., Topal C., AKINLAR C.
JOURNAL ON MULTIMODAL USER INTERFACES, cilt.13, sa.4, ss.321-334, 2019 (SCI-Expanded)

III. **STag: A stable fiducial marker system**
Benligiray B., Topal C., AKINLAR C.
IMAGE AND VISION COMPUTING, cilt.89, ss.158-169, 2019 (SCI-Expanded)

IV. **EDTriangles: a high-speed triangle detection algorithm with a false detection control**
Berkaya S. K., Gunal S., Akinlar C.
PATTERN ANALYSIS AND APPLICATIONS, cilt.21, sa.1, ss.221-231, 2018 (SCI-Expanded)

V. **ColorED: Color edge and segment detection by Edge Drawing (ED)**
Akinlar C., Topal C.
JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, cilt.44, ss.82-94, 2017 (SCI-Expanded)

VI. **CEDContours: A high speed contour detector for color images**
Akinlar C.
IMAGE AND VISION COMPUTING, cilt.54, ss.60-70, 2016 (SCI-Expanded)

VII. **PEL: A Predictive Edge Linking algorithm**
Akinlar C., Chome E.
JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, cilt.36, ss.159-171, 2016 (SCI-Expanded)

VIII. **On circular traffic sign detection and recognition**
Berkaya S. K., Gunduz H., Ozsen O., Akinlar C., Gunal S.
EXPERT SYSTEMS WITH APPLICATIONS, cilt.48, ss.67-75, 2016 (SCI-Expanded)

IX. **EDCircles: A real-time circle detector with a false detection control**
Akinlar C., Topal C.
PATTERN RECOGNITION, cilt.46, sa.3, ss.725-740, 2013 (SCI-Expanded)

X. **Edge Drawing: A combined real-time edge and segment detector**
Topal C., Akinlar C.
JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, cilt.23, sa.6, ss.862-872, 2012 (SCI-Expanded)

XI. **EDPF: A REAL-TIME PARAMETER-FREE EDGE SEGMENT DETECTOR WITH A FALSE DETECTION CONTROL**
Akinlar C., Topal C.
INTERNATIONAL JOURNAL OF PATTERN RECOGNITION AND ARTIFICIAL INTELLIGENCE, cilt.26, sa.1, 2012 (SCI-

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XII. **EDLines: A real-time line segment detector with a false detection control**
Akinlar C., Topal C.
PATTERN RECOGNITION LETTERS, cilt.32, sa.13, ss.1633-1642, 2011 (SCI-Expanded)

XIII. **QoS guarantee for multimedia traffic in smart homes**
Kamel I., Akinlar C., El-Sayed H.
MULTIMEDIA TOOLS AND APPLICATIONS, cilt.47, sa.1, ss.87-103, 2010 (SCI-Expanded)

XIV. **Enabling peer-to-peer communication for hosts in private address realms using IPv4 LSRR option and IPv4+4 addresses**
Topal C., Akinlar C.
IET COMMUNICATIONS, cilt.3, sa.4, ss.512-519, 2009 (SCI-Expanded)

XV. **Secure seamless peer-to-peer (P2P) UDP communication using IPv4 LSRR option and IPv4+4 addresses**
Topal C., Akinlar C.
COMPUTERS & ELECTRICAL ENGINEERING, cilt.35, sa.1, ss.115-125, 2009 (SCI-Expanded)

XVI. **Unique subnet auto-configuration in IPv6 networks**
Altug R. O., Akinlar C.
AUTONOMIC PRINCIPLES OF IP OPERATIONS AND MANAGEMENT, PROCEEDINGS, cilt.4268, ss.108-119, 2006 (SCI-Expanded)

XVII. **A scalable bandwidth guaranteed distributed continuous media file system using network attached autonomous disks**
Akinlar C., Mukherjee S.
IEEE TRANSACTIONS ON MULTIMEDIA, cilt.5, sa.1, ss.71-96, 2003 (SCI-Expanded)

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **An Occlusion-Resistant Ellipse Detection Method by Joining Coelliptic Arcs**
Çakır H. İ., TOPAL C., AKINLAR C.
European Conference on Computer Vision (ECCV), 1 - 03 Ekim 2016

II. **A Quantitative Assessment of Edge Preserving Smoothing Filters for Edge Detection**
GÜNDÜZ H., TOPAL C., AKINLAR C.
World Conference on Soft Computing (WConSC), 12 - 15 Mayıs 2016

III. **Counting Turkish Coins with a Calibrated Camera**
BENLIGIRAY B., ÇAKIR H. İ., TOPAL C., AKINLAR C.
Image Analysis and Processing — ICIAP 2015, İtalya, 7 - 11 Eylül 2015, cilt.9280, ss.216-226

IV. **CannySR Using smart routing of edge drawing to convert Canny binary edge maps to edge segments**
AKINLAR C., Chome E.
2015 International Symposium on Innovations in Intelligent SysTems and Applications (INISTA), Madrid, Spain, İspanya, 2 - 04 Eylül 2015, ss.1-6

V. **Circular traffic sign recognition empowered by circle detection algorithm**
GÜNDÜZ H., Kaplan Berkaya S., AKINLAR C., GÜNAL S.
2013 21st Signal Processing and Communications Applications Conference (SIU), Haspolat, Türkiye, 24 - 26 Nisan 2013

VI. **Quantification of projective distortion for fiducial markers**
BENLİGİRAY B., TOPAL C., AKINLAR C., GENÇ Y.
2013 21st Signal Processing and Communications Applications Conference (SIU), Haspolat, Türkiye, 24 - 26 Nisan 2013

VII. **EDCircles Real time circle detection by Edge Drawing ED**
AKINLAR C., TOPAL C.
2012 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), Kyoto, Japan, 25 - 30

Mart 2012, ss.1309-1312

VIII. **EDContours High Speed Parameter Free Contour Detector Using EDPF**
TOPAL C., AKINLAR C.
2012 IEEE International Symposium on Multimedia, Irvine, CA, USA, 10 - 13 Aralık 2012

IX. **On the efficiency issues of virtual keyboard design**
TOPAL C., BENLİGİRAY B., AKINLAR C.
2012 IEEE International Conference on Virtual Environments Human-Computer Interfaces and Measurement Systems (VECIMS) Proceedings, Tianjin, Çin, 2 - 04 Temmuz 2012

X. **İstatistiksel Tıkızlık Kestirimine Dayalı Gerçek Zamanlı Dairesel Nesne Tespiti**
BENLİGİRAY B., TOPAL C., AKINLAR C.
IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU), Türkiye, 01 Nisan 2012

XI. **Freeman Kodlarının Çift Yönlü Süzgeçlenmesi ile Köşe Tespiti**
TOPAL C., ÖZKAN K., AKINLAR C.
IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU), Türkiye, 01 Nisan 2012

XII. **Video-Based Lane Detection Using a Fast Vanishing Point Estimation Method**
BENLİGİRAY B., TOPAL C., AKINLAR C.
2012 IEEE International Symposium on Multimedia, Irvine, CA, USA, 10 - 12 Aralık 2012

XIII. **Edlines: Real-time line segment detection by Edge Drawing (ed)**
AKINLAR C., TOPAL C.
2011 18th IEEE International Conference on Image Processing, Brussels, Belgium, 11 - 14 Eylül 2011

XIV. **Edge Drawing: A Heuristic Approach to Robust Real-Time Edge Detection**
TOPAL C., AKINLAR C., GENÇ Y.
2010 20th International Conference on Pattern Recognition, Istanbul, Turkey, 23 - 26 Ağustos 2010

XV. **Implementing IPv4 4 Addressing Architecture with IPv4 LSRR Option for Seamless Peer to Peer P2P Communication**
TOPAL C., AKINLAR C.
The Fifth International Symposium on Parallel and Distributed Processing and Applications (ISPA), 01 Ağustos 2007

XVI. **Bilgisayar Ağları Eğitiminde Proje Tabanlı Çalışmanın Etkileri Bir Protokol Yığını Uygulaması**
BİLGE A., AKINLAR C.
EMO IV. Elektrik-Elektronik-Bilgisayar-Biyomedikal Mühendisliği Eğitimi Sempozyumu, Türkiye, 01 Ocak 2007

XVII. **Unique subnet auto-configuration in IPv6 networks**
Altug R. O., Akinlar C.
6th IEEE International Workshop on IP Operations and Management, IPOM 2006, Dublin, İrlanda, 23 - 25 Ekim 2006, ss.108-119

XVIII. **A multi-camera vision system for real-time tracking of parcels moving on a conveyor belt**
Karaca H. N., Akinlar C.
20th International Symposium on Computer and Information Sciences, ISCIS 2005, İstanbul, Türkiye, 26 - 28 Ekim 2005, ss.708-717

XIX. **Design and implementation of a bandwidth sensitive distributed continuous media file system using the fibre channel network**
Akinlar C., Mukherjee S.
4th International Conference on Image and Video Retrieval, CIVR 2005, Singapur, 20 - 22 Temmuz 2005, cilt.3568, ss.336-345

XX. **IPv4 auto-configuration of multi-router zeroconf networks with unique subnets**
Akinlar C., Udaya Shankar A.
Networking - ICN 2005, Reunion Island, Fransa, 17 - 21 Nisan 2005, cilt.3421, ss.156-163

XXI. **A bandwidth sensitive distributed continuous media file system using the fibre channel network**
Akinlar C., Mukherjee S.
5th International Conference on Computational Science - ICCS 2005, Atlanta, GA, Amerika Birleşik Devletleri, 22 - 25 Mayıs 2005, cilt.3514, ss.396-404

XXII. **TCP Performansının Veri Transferi Uygulamaları İçin Geliştirilmesi**
Güneş İ., Çakır A. Y., AKINLAR C.
Elektrik-Elektronik-Bilgisayar Mühendisliği Sempozyumu (ELECO), Türkiye, 01 Ocak 2004

XXIII. **On secured end-to-end appliance control using SIP**
rahman m., AKINLAR C., Kamel I.
Proceedings 3rd IEEE International Workshop on System-on-Chip for Real-Time Applications, Liverpool, Birleşik Krallık, 01 Ekim 2002

XXIV. **Marker-less tracking for AR: a learning-based approach**
GENÇ Y., Riedel S., AKINLAR C., Navab N.
Proceedings. International Symposium on Mixed and Augmented Reality, Darmstadt, Germany, 30 Eylül 2002

XXV. **IP address configuration algorithms for routerless and single-router zeroconf networks**
AKINLAR C., Shankar U., Mukherjee S., Braun D.
Proceedings ISCC 2002 Seventh International Symposium on Computers and Communications, Taormina-Giardini Naxos, Italy, 01 Temmuz 2002

XXVI. **An IP address configuration algorithm for multi-router zeroconf networks**
AKINLAR C., Shankar U., Mukherjee S.
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XXVII. **Name-to-address translation algorithms for zeroconf networks**
AKINLAR C., Shankar U.
2002 IEEE International Conference on Communications. Conference Proceedings. ICC 2002 (Cat. No.02CH37333), New York, NY, USA, 01 Nisan 2002

XXVIII. **A scalable distributed multimedia file system using network attached autonomous disks**
AKINLAR C., Mukherjee S.
Proceedings 8th International Symposium on Modeling, Analysis and Simulation of Computer and Telecommunication Systems (Cat. No.PR00728), San-Francisco, Kostarika, 01 Ağustos 2000

XXIX. **Bandwidth guarantee in a distributed multimedia file system using network attached autonomous disks**
AKINLAR C., Mukherjee S.
Proceedings Sixth IEEE Real-Time Technology and Applications Symposium. RTAS 2000, Washington, DC, USA, 01 Mayıs 2000

XXX. **Autonomous Disks The Building Block for a Scalable Distributed File System**
AKINLAR C., Kamel I., Aref W., Mukherjee S.
Proceedings of Fifth International Workshop on Multimedia Information Systems (MIS), 01 Ocak 1999

XXXI. **Benchmarking a Network of PCs Running Parallel Applications**
Hollingsworth J., Güven E., AKINLAR C.
Proceedings of International Performance, Computing, and Communications Conference (IPCC), 1 - 03 Şubat 1998

## Desteklenen Projeler

AKINLAR C., Yükseköğretim Kurumları Destekli Proje, Otomatik Trafik İşareti Tespit ve Tanıma Sistemi, 2013 - 2015
AKINLAR C., Yükseköğretim Kurumları Destekli Proje, Gerçek Zamanlı Video Okülografik Bakış Yönü Tespit ve Takip Sisteminin Tasarımı ve Gerçeklemesi, 2013 - 2015
AKINLAR C., TÜBİTAK Projesi, Gerçek Zamanlı Video Okülografik Bakış Yönü Tespit ve Takip Sisteminin Tasamını ve Gerçeklemesi TÜBİTAK Projesi 111E053, 2012 - 2014
AKINLAR C., TÜBİTAK Projesi, IPv4 4 Adresleri ile Dikişsiz P2P UDP İletişimi Sağlayan Bir Ev Geçiti Tasarım ve Gerçeklemesi, 2007 - 2008

## Metrikler

Yayın: 48
Atıf (WoS): 586
Atıf (Scopus): 740
H-İndeks (WoS): 8
H-İndeks (Scopus): 8