

Asst. Prof. EYÜP ÇINAR

Personal Information

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Education Information

Doctorate, Rochester Institute of Technology, Microsystems Engineering, United States Of America 2010 - 2015

Postgraduate, Rochester Institute of Technology, Electrical And Microelectronic Engineering, United States Of America 2008 - 2010

Undergraduate Double Major, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2004 - 2008

Undergraduate, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2003 - 2007

Dissertations

Doctorate, Development of Material Characterization Techniques using Novel Nanoindentation Approaches on Hard and Soft Materials used in MEMS, Rochester Institute of Technology, Microsystems Engineering, 2015

Postgraduate, A Study of recent classification algorithms and a novel approach for biosignal data classification, Rochester Institute of Technology, Electrical And Microelectronic Engineering, 2012

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Computer Learning, Software Engineering

Academic Titles / Tasks

Assistant Professor, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği, 2019 - Continues

Research Assistant, Rochester Institute of Technology, College Of Engineering, Microsystems Engineering, 2010 - 2015

Academic and Administrative Experience

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği, 2020 - Continues

Courses

Engineering Research on Microprocessor based Apps, Undergraduate, 2020 - 2021

Introduction to Computer Engineering, Undergraduate, 2020 - 2021

Object Oriented Programming II, Undergraduate, 2019 - 2020
Entrepreneurship, Undergraduate, 2019 - 2020
Neural Networks, Undergraduate, 2019 - 2020
Machine Learning and Anomaly Detection, Postgraduate, 2019 - 2020

Advising Theses

Yazıcı A., Çınar E., FİLO TABANLI VERİ ODAKLI HATA TEŞHİS SİSTEMİ GELİŞTİRİLMESİ, Postgraduate,
M.YILMAZ(Student), 2020

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Development of a novel nanoindentation technique by utilizing a dual-probe AFM system**
ÇİNAR E., Sahin F., Yablon D.
BEILSTEIN JOURNAL OF NANOTECHNOLOGY, vol.6, pp.2015-2027, 2015 (Journal Indexed in SCI)
- II. **Piezo1 regulates mechanotransductive release of ATP from human RBCs**
ÇİNAR E., Zhou S., DeCoursey J., Wang Y., Waugh R. E. , Wan J.
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol.112, no.38,
pp.11783-11788, 2015 (Journal Indexed in SCI)
- III. **New classification techniques for electroencephalogram (EEG) signals and a real-time EEG control of a robot**
ÇİNAR E., Sahin F.
NEURAL COMPUTING & APPLICATIONS, vol.22, no.1, pp.29-39, 2013 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **VERİ ODAKLI HATA TEŞHİS SİSTEMİ GELİŞTİRİLMESİ**
Yılmaz M., Yazıcı A., Çınar E.
Eskişehir Osmangazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.28, pp.289-298, 2020 (National Refreed University Journal)
- II. **Veri Odaklı Hata Teşhis Sistemi Geliştirilmesi**
Yılmaz M., YAZICI A., ÇİNAR E.
Eskişehir Osmangazi Üniversitesi Mühendislik ve Mimarlık Fakültesi Dergisi, vol.28, no.3, pp.289-298, 2020
(Refereed Journals of Other Institutions)
- III. **A System of Systems Perspective to a Multi-Probe SPM System**
ÇİNAR E., Sahin F.
International Journal of Complex Systems - Computing, Sensing and Control, vol.3, pp.15-24, 2015 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Hata Tespiti ve Kestirimci Bakım Uygulamalarında Yapay Zeka Kullanımı**
ÇİNAR E., SARIÇİÇEK İ.
in: Yapay Zeka ve Büyük Veri Kitap Serisi 2: Endüstri 4.0 ve Yapay Zeka, Sağiroğlu Şeref, Demirezen Mustafa Umut,
Yazıcı Ahmet, Editor, Nobel, Ankara, pp.243-266, 2021

Refereed Congress / Symposium Publications in Proceedings

- I. **Run-to-Run Control Strategy of HARP Liner Thickness with Product Dependent Deposition Rates**
Yi S., ÇİNAR E., Wang M., Lee Y., Minton P.
XXIX Advanced Process Control Conference, Austin, TX, United States Of America, 9 - 12 October 2017
- II. **A System of Systems Analysis of a Multi-Probe SPM System**
Çinar E., Sahin F.
2015 10th System of Systems Engineering Conference (SoSE), Texas, United States Of America, 17 - 20 May 2015, pp.117-121
- III. **A New Approach for Nanoindentation Using Multiprobe AFM System**
ÇİNAR E., Sahin F., Yablon D.
2014 IEEE 14TH INTERNATIONAL CONFERENCE ON NANOTECHNOLOGY (IEEE-NANO), Toronto, Canada, 14 - 21 August 2014, pp.49-53
- IV. **In-Vivo Fault Analysis and Real-Time Fault Prediction for RF Generators using State-of-the-art Classifiers**
Chandrasheker G., Sahin F., ÇİNAR E., Radomski A., Daniel S.
2013 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC 2013), Manchester, England, 13 - 16 October 2013, pp.1634-1639
- V. **A Study of Recent Classification Algorithms and a Novel Approach for EEG Data Classification**
ÇİNAR E., Sahin F.
IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN AND CYBERNETICS (SMC 2010), İstanbul, Turkey, 10 - 13 October 2010, pp.3366-3372
- VI. **EOG Controlled Mobile Robot Using Radial Basis Function Networks**
ÇİNAR E., Sahin F.
2009 FIFTH INTERNATIONAL CONFERENCE ON SOFT COMPUTING, COMPUTING WITH WORDS AND PERCEPTIONS IN SYSTEM ANALYSIS, DECISION AND CONTROL, Famagusta, 2 - 04 September 2009, pp.51-54
- VII. **System of Systems Approach to a Human Tracking Problem with Mobile Robots using a Single Security Camera**
Bowen R., ÇİNAR E., Sahin F.
2009 FIFTH INTERNATIONAL CONFERENCE ON SOFT COMPUTING, COMPUTING WITH WORDS AND PERCEPTIONS IN SYSTEM ANALYSIS, DECISION AND CONTROL, Famagusta, 2 - 04 September 2009, pp.236
- VIII. **Robot Navigasyonunda Potansiyel Alan Metodlarının Karşılaştırılması ve İç Ortamlarda Uygulanması**
ÇİNAR E., PARLAKTUNA O., YAZICI A.
12. Elektrik Elektronik Bilgisayar Biyomedikal Mühendisliği Ulusal Kongresi, Eskişehir, Turkey, 1 - 03 August 2007

Supported Projects

Yazıcı A., Sarıççek İ., Özkan K., Çinar E., TUBITAK Project, TÜBİTAK 2232 Uluslararası Lider Araştırmacılar Projesi Proje başlığı: Development of Intelligent Fault Detection and Predictive Maintenance Systems, 2020 - 2022

Patent

Çinar E., Initializing individual exposure field parameters of an overlay controller, Patent, CHAPTER G Physics, The Invention Registration Number: US10788806B2 , Registration in Multiple Countries, 2020

Scientific Refereeing

NEURAL COMPUTING & APPLICATIONS, SCI Journal, July 2020

APPLIED SCIENCES-BASEL, Journal Indexed in SCI-E, April 2020

AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, Journal Indexed in SCI-E, June 2019

BRAIN SCIENCES, Journal Indexed in SCI-E, April 2019

SENSORS, SCI Journal, February 2019

IEEE SYSTEMS MAN AND CYBERNETICS MAGAZINE, Journal Indexed in ESCI, May 2016

IEEE Systems, Man, and Cybernetics, Journal Indexed in ESCI, May 2016

Tasks In Event Organizations

Çinar E., 12th IEEE SoSE Conference, Scientific Congress, Hawaii, United States Of America, Haziran 2017

Çinar E., 2015 10th System of Systems Engineering Conference (SoSE), Scientific Congress, Texas, United States Of America, Mart 2015

Çinar E., 8th IEEE SoSE Conference, Scientific Congress, Hawaii, United States Of America, Haziran 2013

Çinar E., 6th IEEE SoSE Conference, Scientific Congress, Hawaii, United States Of America, Mayıs 2011

Edit Congress and Symposium Activities

TÜBİTAK Yapay Zeka Enstitüsü Çalıştayı, Attendee, Kocaeli, Turkey, 2020

Citations

Total Citations (WOS):90

h-index (WOS):2

Scholarships

TÜBİTAK 2232 Intertanional Leading Researcher Fellowship, TUBITAK, 2020 - Continues

Graduate Research Assistantship Scholarship, University, 2010 - 2015

RIT Merit Scholarship, University, 2008 - 2010

Fulbright Yüksek Lisans Bursu, Fulbright Program, 2008 - 2010

Awards

Çinar E., Outstanding Contribution Award, Uluslararası Ieee Sose2015 Konferans Organizasyonu Komitesi, April 2015

Non Academic Experience

Company, ASMI-HMI Silicon Valley R&D Center

Company, GLOBALFOUNDRIES