

Asst. Prof. ÇIĞDEM ACI

Personal Information

Office Phone: [+90 322 338 6060](tel:+903223386060) Extension: 2663

Fax Phone: [+90 322 338 6060](tel:+903223386060)

Email: cinan@cu.edu.tr

Web: <http://bmb.cu.edu.tr/caci/>

Address: Çukurova Üniversitesi Bilgisayar Mühendisliği Bölümü, 01330, ADANA

Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik Elektronik Mühendisliği / Bilgisayar Bilimleri, Turkey
2009 - 2013

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2007 - 2009

Undergraduate, Firat University, Faculty Of Engineering, Bilgisayar Mühendisliği, Turkey 2003 - 2007

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, DEVELOPMENT OF NEW CONGESTION CONTROL ALGORITHMS FOR BROADCAST BASED MULTIPROCESSOR ARCHITECTURES WITH MULTIPLE INPUT QUEUES , Cukurova University, Fen Bilimleri Enstitüsü, Elektrik Elektronik Mühendisliği / Bilgisayar Bilimleri, 2013

Postgraduate, A NEW CONGESTION CONTROL ALGORITHM FOR IMPROVING THE PERFORMANCE OF A BROADCAST-BASED MULTIPROCESSOR ARCHITECTURE , Cukurova University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 2009

Research Areas

Computer Sciences, algorithms, Performance Modelling and Evaluation, Simulation and Modelling, Distributed Systems, Complexity Theory, Parallel Algorithms, Theoretical Computer Science, Formal Languages, Artificial Intelligence, Computer Learning and Pattern Recognition, Natural Language Processing, Evolutionary Computing, Neural Networks, Software, Soft Computing, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Cukurova University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2018 - Continues

Assistant Professor, Cukurova University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2013 - 2018

Research Assistant, Cukurova University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2007 - 2013

Academic and Administrative Experience

Cukurova University, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği, 2013 - Continues

Cukurova University, Mühendislik-Mimarlık Fakültesi, 2013 - Continues

Courses

Soft Computing, Doctorate, 2014 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Deep Learning-Based Prediction Models for the Detection of Vitamin D Deficiency and 25-Hydroxyvitamin D Levels Using Complete Blood Count Tests**
Eşsiz U. E., Aci Ç. İ., Saraç E., Aci M.
Romanian Journal of Information Science and Technology, vol.27, no.3-4, pp.295-309, 2024 (SCI-Expanded)
- II. **PREDICTING THE PERFORMANCE MEASURES OF A 2-DIMENSIONAL MESSAGE PASSING MULTIPROCESSOR ARCHITECTURE BY USING MACHINE LEARNING METHODS**
AKAY M. F., Aci Ç., Abut F.
NEURAL NETWORK WORLD, vol.25, no.3, pp.241-265, 2015 (SCI-Expanded)
- III. **A new congestion control algorithm for improving the performance of a broadcast-based multiprocessor architecture**
Aci C. I., AKAY M. F.
JOURNAL OF PARALLEL AND DISTRIBUTED COMPUTING, vol.70, no.9, pp.930-940, 2010 (SCI-Expanded)
- IV. **A hybrid classification method of k nearest neighbor, Bayesian methods and genetic algorithm**
ACI M., Inan C., AVCI M.
EXPERT SYSTEMS WITH APPLICATIONS, vol.37, no.7, pp.5061-5067, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **AUTOMATIC DETECTION OF CYBERBULLYING IN FORMSPRING.ME,MYSPACE AND YOUTUBE SOCIAL NETWORKS**
ACI Ç., ÇÜRÜK E., SARAÇ EŞSİZ E.
Turkish Journal of Engineering, vol.3, no.4, pp.168-178, 2019 (Peer-Reviewed Journal)
- II. **Türkçe Haber Metinlerinin Konvolüsyonel Sinir Ağları ve Word2Vec Kullanılarak Sınıflandırılması**
ACI Ç., ÇIRAK A.
Bilişim Teknolojileri Dergisi, vol.12, no.3, pp.219-227, 2019 (Peer-Reviewed Journal)
- III. **A Review of Turkish Sentiment Analysis and Opinion Mining**
KARAYİĞİT H., ACI Ç., AKDAĞLI A.
Balkan Journal of Electrical and Computer Engineering, vol.6, no.2, pp.26-30, 2018 (Peer-Reviewed Journal)
- IV. **Predicting the Severity of Motor Vehicle Accident Injuries in Adana-Turkey Using Machine Learning Methods and Detailed Meteorological Data**
ACI Ç., ÖZDEN C.
International Journal of Intelligent Systems and Applications in Engineering, vol.6, no.1, pp.72-79, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **CLASSIFICATION OF VEHICLE MODELS USING DEEP CONVOLUTIONAL NEURAL NETWORK AND TRANSFER LEARNING METHODS**
Kılıç B., AKDAĞLI A., ACI Ç.

- Cilicia International Symposium on Engineering and Technology, Mersin, Turkey, 10 - 12 October 2019, pp.610-614
- II. **SOLUTION OF EXAM SCHEDULING PROBLEM WITH ANT COLONYOPTIMIZATION: AN EXAMPLE OF MERSIN UNIVERSITY ENGINEERINGFACULTY**
ASLAN S., ACI Ç.
Cilicia International Symposium on Engineering and Technology, Mersin, Turkey, 10 - 12 October 2019, pp.777-781
- III. **AN ANALYSIS OF THE EFFECTSO F FEATURE SELECTION METHODS IN CLASSIFYING TURKISH HATEFUL MESSAGES**
KARAYİĞİT H., ACI Ç., AKDAĞLI A.
2nd Cilicia International Symposium on Engineering and Technology, Mersin, Turkey, 10 - 12 October 2019, pp.194-198
- IV. **PARALLELIZATION OF DRAGONFLY OPTIMIZATION ALGORITHM ON DISTRIBUTED AND SHARED MEMORY ARCHITECTURES**
Polat R., AKDAĞLI A., ACI Ç.
2nd Cilicia International Symposium on Engineering and Technology, Mersin, Turkey, 10 - 12 October 2019, pp.345-348
- V. **AN ANALYSIS OF THE EFFECTS OF ENVIRONMENTAL FACTORS ON VEHICLE SALES IN TURKEY USING MACHINE LEARNING METHODS**
KARAKIZ S., ACI Ç.
Cilicia International Symposium on Engineering and Technology, Mersin, Turkey, 10 - 12 October 2019
- VI. **Turkish Abusive Message Detection with Methods of Classification Algorithms**
KARAYİĞİT H., ACI Ç., AKDAĞLI A.
International Conference on Artificial Intelligence towards Industry 4.0, 15 - 17 November 2018, pp.1-5
- VII. **A Score-Based Expert System Application for Paper-Reviewer Assignment Problem**
ACI Ç., SEYREK S., ÇIRAK A.
International Conference on Artificial Intelligence and Data Processing, 28 - 30 September 2018
- VIII. **Kaynaklı giriş tasarımı probleminin yusufçuk optimizasyon algoritması ile çözümü**
GÜLCAN H., ACI Ç.
International Eurasian Conference on Science, Engineering and Technology, Ankara, Turkey, 22 - 23 November 2018, pp.219
- IX. **Optimizasyon algoritmalarının iyileştirilmesi hakkında bir literatür çalışması**
GÜLCAN H., ACI Ç.
International Eurasian Conference on Science, Engineering and Technology, Ankara, Turkey, 22 - 23 November 2018, pp.2813-2816
- X. **Siber Zorbalık Tespiti İçin Yapay Sinir Ağı Tabanlı Sınıflandırıcıların Performans Analizi**
ÇÜRÜK E., ACI Ç., SARAÇ EŞSİZ E.
Uluslararası Bilgisayar Bilimleri ve Mühendisliği Konferansı (UBMK 2018), Saraybosna, Bosnia And Herzegovina, 20 - 23 September 2018, pp.1-5
- XI. **Yapay Sinir Ağı Tabanlı Sınıflandırıcılarda Nitelik Seçiminin Siber Zorbalık Tespitine Etkileri**
ÇÜRÜK E., ACI Ç., SARAÇ EŞSİZ E.
Uluslararası Bilgisayar Bilimleri ve Mühendisliği Konferansı (UBMK 2018), Saraybosna, Bosnia And Herzegovina, 20 - 23 September 2018, pp.6-11
- XII. **GENELLEŞTİRİLMİŞ REGRESYON AĞLARI KULLANARAK EGZERSİZE DAYALI OLMAYAN VO2max TAHMİNİ**
AKAY M. F., ACI Ç.
Ç.Ü. Müh-Mim. Fak. 30. Yıl Sempozyumu,, Adana, Turkey, 16 October 2018 - 17 October 2008, pp.1
- XIII. **Zihinsel Dikkat Durumu İzlemi İçin Pasif Bir Beyin Bilgisayar Arayüzü**
KAYA M., ACI Ç., MISHCHENKO Y.
26. Sinyal İşleme ve İletişim Uygulamaları (SİU) Kurultayı, 2 - 05 May 2018, pp.1-4
- XIV. **Solving University Course Timetabling Problem Using Ant Colony Optimization: An Example of Mersin University Engineering Faculty**
ASLAN S., ACI Ç.

International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES), 11 - 13 May 2018, pp.154-157

- XV. **Performance Comparison of Levy Flight Mechanism in Dragonfly Optimization and Gravitational Search Algorithm**
GÜLCAN H., ACI Ç.
II. INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY AND INNOVATION (ICETI), Budapest, Hungary, 7 - 11 March 2018, pp.94-100
- XVI. **Siber Zorbalığının Etkileri Ve Siber Zorbalığın Tespit Edilmesi Üzerine Örnek Uygulamalar**
ÇÜRÜK E., ACI Ç., SARAÇ EŞSİZ E.
2. Uluslararası Akdeniz Bilim ve Mühendislik Kongresi, Adana, Turkey, 25 - 27 October 2017, pp.2082-2086
- XVII. **Regresyon Ağacı Yöntemi Kullanılarak Karbon Nanotüp Koordinatlarının İstenen Kiraliteye Göre Belirlenmesi**
ACI M., AVCI M., ACI Ç.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), 26 - 28 October 2016
- XVIII. **GRNN and MFFNN Models for Energy Equivalent Speed Prediction and Fault Rate Determination of Involvements in Traffic Accidents: A case study in Turkey**
YILMAZ A. C., ACI Ç., AYDIN K.
International Conference and Exhibition on Automobile Engineering, Valencia, Spain, 1 - 02 September 2015, pp.15
- XIX. **GRNN and MFFNN Models for Energy Equivalence Speed Prediction and Fault Rate Determination of Involvements in Traffic Accidents Case Study in Turkey**
Yılmaz A. C., Acı Ç., Aydın K.
Proceeding of International Conference and Exhibition on Automobile Engineering, Valencia, Spain, 1 - 02 September 2015, vol.4, pp.42
- XX. **Predicting the processor and channel utilization of a 2-dimensional multiprocessor architecture by using support vector regression combined with feature selection**
AKAY M. F., Abut F., ACI Ç., Yıldız İ.
8th Engineering and Technology Symposium, Ankara, Turkey, 14 - 15 May 2015, pp.5-10
- XXI. **MFFNN and GRNN Models for Prediction of Energy Equivalent Speed Values of Involvements in Traffic Accidents**
YILMAZ A. C., ACI Ç., AYDIN K.
International Conference on Advanced Science and Technology (ICAT '14), Antalya, Turkey, 12 - 15 August 2014, pp.260
- XXII. **MFFNN and GRNN Models for Prediction of Energy Equivalent Speed Values of Involvements in Traffic Accidents**
YILMAZ A. C., ACI Ç., AYDIN K.
International Conference on Advanced Science and Technology (ICAT '14), Antalya, Turkey, 12 - 15 August 2014, pp.260
- XXIII. **A Congestion Control Algorithm with Intermediate Node Selection Procedure For Performance Improvement of a 2-Dimensional Broadcast-Based Multiprocessor Architecture**
AKAY M. F., ACI Ç.
Proceedings of the Fourth International Conference on Mathematical and Computational Applications,, Manisa, Turkey, 11 - 13 June 2013, pp.186-196
- XXIV. **A Congestion Control Algorithm with Intermediate Node Selection Procedure For Performance Improvement of a 2-Dimensional Broadcast-Based Multiprocessor Architecture**
ACI Ç., AKAY M. F.
Proceedings of the Fourth International Conference on Mathematical and Computational Applications, Manisa, Turkey, 01 January 2013, pp.186-196
- XXV. **Improving the performance of a 2-Dimensional broadcast-based multiprocessor architecture using congestion control algorithm**
AKAY M. F., ACI Ç.
9th International Conference on Electronics, Computer and Computation (ICECCO 2012), Ankara, Turkey, 1 - 03

November 2012, pp.163-165

- XXVI. **Improving the Performance of a 2-Dimensional Broadcast-Based Multiprocessor Architecture Using Congestion Control Algorithm**
ACI Ç., AKAY M. F.
9th International Conference on Electronics Computer and Computation (ICECCO 2012), Ankara, Turkey, 1 - 03 November 2012, pp.163-166
- XXVII. **SOME Bus Mimarisi Üzerinde Mesaj Geçisi Protokolünün Başarımını Arttırmaya Yönelik Bir Algoritma**
ACI Ç., AKAY M. F.
I. Ulusal Yüksek Başarım ve Grid Konferansı, Turkey, 15 - 18 April 2009, pp.147-154
- XXVIII. **SOME-Bus Mimarisi Üzerinde Mesaj Geçisi Protokolünün Başarımını Arttırmaya Yönelik Bir Algoritma**
AKAY M. F., ACI Ç.
I. Ulusal Yüksek Başarım ve Grid Konferansı, Ankara, Turkey, 15 - 18 April 2009, pp.147-154
- XXIX. **SOME-Bus Mimarisi Üzerinde Mesaj Geçisi Protokolünün Başarımını Arttırmaya Yönelik Bir Algoritma**
ACI Ç., AKAY M. F.
I. Ulusal Yüksek Başarım ve Grid Konferansı, Ankara, Turkey, 01 January 2009, pp.147-154
- XXX. **A hybrid classification method of K nearest neighbor, bayesian methods and genetic algorithm**
ACI Ç., AVCI M.
Proceedings of International Symposium on Innovations in Intelligent Systems and Applications, INISTA 2009, Trabzon, Turkey, 01 January 2009, pp.337-341
- XXXI. **Multilayer Feed Forward Neural Network Models for Non-Exercise Prediction of VO2max**
AKAY M. F., ACI Ç., Bradshaw D., George J.
ECS'08, 5th International Symposium on Electrical and Computer Systems, Gemikonağı, Cyprus (Kktc), 27 - 28 November 2008, pp.1
- XXXII. **Genelleştirilmiş Regresyon Ağları Kullanarak Egzersize Dayalı Olmayan VO2max Tahmini**
ACI Ç., AKAY M. F.
Ç.Ü. Müh-Mim. Fak. 30. Yil Sempozyumu, Turkey, 16 - 17 October 2008
- XXXIII. **Kestirim En İyileme Yöntemiyle Sınıflamada K En Yakın Komsu Algoritmasının Ön İşleme Metodu Olarak Kullanılması**
AVCI M., ACI M., İNAN Ç.
Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, Turkey, 1 - 03 October 2008, pp.87
- XXXIV. **Göğüs Kanseri Teşhisinde Gelişmiş Bir Kestirim En İyileme Yaklaşımı**
ACI M., İNAN Ç., AVCI M.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi 30.yıl sempozyumu, Turkey, 1 - 03 September 2008, pp.42
- XXXV. **Genelleştirilmiş Regresyon Ağları Kullanarak Egzersize Dayalı Olmayan VO2max Tahmini**
ACI Ç., AKAY M. F.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi 30.yıl sempozyumu, Adana, Turkey, 02 May 2008, pp.17-20
- XXXVI. **Göğüs kanseri teşhisinde gelişmiş bir kestirim en iyileme yaklaşımı**
ACI Ç., AVCI M.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi 30.yıl sempozyumu, Adana, Turkey, 01 April 2008, pp.42-44
- XXXVII. **Kestirim en iyileme yöntemiyle sınıflamada K-en yakın komşu algoritmasının ön işleme metodu olarak kullanılması**
ACI Ç., AVCI M.
Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, Isparta, Turkey, 01 March 2008, pp.87-90
- XXXVIII. **Utilization of KNN algorithm for expectation maximization based classification method**
ACI Ç., AVCI M.
IS'2008, IEEE Conference on Intelligent Systems, Varna, Bulgaria, 01 January 2008, vol.19, pp.14-16

Metrics

Citation (WoS): 51

Citation (Scopus): 89

H-Index (WoS): 3

H-Index (Scopus): 3