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Personal Information

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Education Information

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

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

Under Graduate, Firat University, Mühendislik Fakültesi, 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

Post Graduate, 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

Professional Experience

Head of Department, Cukurova University, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği, 2013 - Continues

Deputy Head of Department, Cukurova University, Mühendislik-Mimarlık Fakültesi, 2013 - Continues

Courses

Soft Computing, Doctorate, 2014 - 2015

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

- **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, pp.241-265, 2015 (Journal Indexed in SCI)
- **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, pp.930-940, 2010 (Journal Indexed in SCI)
- **A hybrid classification method of k nearest neighbor, Bayesian methods and genetic algorithm**
ACI M., Inan C., AVCIM.
EXPERT SYSTEMS WITH APPLICATIONS, vol.37, pp.5061-5067, 2010 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- **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
- **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
- **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
- **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
- **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
- **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
- **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

- **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

- **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

- **SOME-Bus Mimarisi Üzerinde Mesaj Geçişi Protokolünün Başarımını Artırmaya Yönelik Bir Algoritma**

AKAY M. F. , ACI Ç.

I. Ulusal Yüksek Başarım ve Grid Konferansı, Ankara, Turkey, 15 - 18 April 2009, pp.147-154

- **SOME-Bus Mimarisi Üzerinde Mesaj Geçişi Protokolünün Başarımını Artırmaya Yönelik Bir Algoritma**

ACI Ç., AKAY M. F.

I. Ulusal Yüksek Başarım ve Grid Konferansı, Ankara, Turkey, 01 January 2009, pp.147-154

- **A hybrid classification method of K nearest neighbor, bayesian methods and genetic algorithm**

ACI Ç., AVCIM.

Proceedings of International Symposium on Innovations in Intelligent Systems and Applications, INISTA 2009, Trabzon, Turkey, 01 January 2009, pp.337-341

- **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 (Kkctc), 27 - 28 November 2008, pp.1

- **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

- **Göğüs kanseri teşhisinde gelişmiş bir kestirim en iyileme yaklaşımı**

ACI Ç., AVCIM.

Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi 30.yıl sempozyumu, Adana, Turkey, 01 April 2008, pp.42-44

- **Kestirim en iyileme yöntemiyle sınıflamada K-en yakın komşu algoritmasının ön işleme metodu olarak kullanılması**

ACI Ç., AVCIM.

Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, Isparta, Turkey, 01 March 2008, pp.87-90

- **Utilization of KNN algorithm for expectation maximization based classification method**

ACI Ç., AVCIM.

IS'2008, IEEE Conference on Intelligent Systems, Varna, Bulgaria, 01 January 2008, vol.19, pp.14-16

Citations

Total Citations (WOS):39

h-index (WOS):2