Prof. MUHAMMET ALİ AKCAYOL

Personal Information

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2000 - 2003

Dissertations

Doctorate, Anahtarlamalı Relüktans Motorun Sinirsel Bulanık Denetimi, Gazi University, Fen Bilimleri Enstitüsü, 2002
Post Graduate, Bulanık Mantık Denetleyicili Fırçasız Doğru Akım Motoru Hız Kontrolü, Gazi University, Fen Bilimleri Enstitüsü, 1998

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2012 - Continues
Associate Professor, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2006 - 2011
Lecturer, Gazi University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2002 - 2003
Research Assistant, Gazi University, Fen Bilimleri Enstitüsü, 1994 - 2003

Professional Experience

Head of Department, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2012 - 2015
Vice Dean, Gazi University, Mühendislik Fakültesi, 2010 - 2013
Head of Department, Gazi University, Bilişim Enstitüsü, Bilgisayar Bilimleri Anabilim Dalı (Disiplinlerarası), 2007 - 2013
Assistant Director of the Institute, Gazi University, Bilişim Enstitüsü, 2006 - 2010
Deputy Head of Department, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2003 - 2010

Advising Theses

AKCAYOL M. A. , Software verification with Image processing technologies using deep learning algorithm, Post Graduate, E.BİLGİN(Student), 2020
AKCAYOL M. A. , Hibrit zeki sistem ile metin özetleme, Doctorate, B.MUTLU(Student), 2020
AKCAYOL M. A. , Akış verisindeki dağılım tahminine dayalı tavsiye sistemi ve beklenmedik öneri sunumu, Doctorate,

A.UTKU(Student), 2020

AKCAYOL M. A. , Anlamsal eşleştirme temelli otomatik meta arama motoru ve uygulaması, Doctorate,
Y.GÖZÜDELİ(Student), 2020

AKCAYOL M. A. , Adaptıve, Context-Awaıe And Learnıng Smart Home System, Post Graduate, G.KAYA(Student), 2019

AKCAYOL M. A. , Ağ trafiğinde anormallik tespiti için veri seti oluşturma ve test yöntemlerinin karşılaştırılması, Post
Graduate, E.ERGİNAY(Student), 2019

AKCAYOL M. A. , Anomaly Detectıon Foı Stream Data, Post Graduate, O.CAN(Student), 2019

AKCAYOL M. A. , Improvement of realization quality of aerospace products using augmented reality technology, Post
Graduate, N.BAHAR(Student), 2017

AKCAYOL M. A. , Yazılım projeleri için yapay zeka tabanlı risk yönetimi, Doctorate, M.HANEFİ(Student), 2017

AKCAYOL M. A. , Development Of Web Crawler And Rankıng Algorıthm, Doctorate, M.RASHAD(Student), 2017

AKCAYOL M. A. , Mobil bulut ortamlarında yük dağıtımı için bağlam-duyarlı bir karar verme sistemi, Doctorate,
M.TANRIVERDİ(Student), 2017

AKCAYOL M. A. , Vehicle to vehicle ad hoc network application, Post Graduate, İ.KÖK(Student), 2015

AKCAYOL M. A. , Bulut bilişim üzerinde restful tabanlı mobil mashup uygulaması, Post Graduate,
M.DEMİRCİOĞLU(Student), 2015

AKCAYOL M. A. , User Behavıour Based Recommendatıon Engıne, Post Graduate, A.UTKU(Student), 2015

AKCAYOL M. A. , Developing an adaptive context aware mobile application, Post Graduate, M.İKBAL(Student), 2014

AKCAYOL M. A. , Development of the transport layer protocol for IPTV, Post Graduate, A.HÜSEYNLİ(Student), 2013

AKCAYOL M. A. , Cloud computing data security, Post Graduate, A.ÖZ(Student), 2013

AKCAYOL M. A. , Security aware routing protocol for wireless broadband mobile networks, Doctorate, M.ÜNAL(Student),
2010

AKCAYOL M. A. , GPS AND GPRS BASED APPLICATION FOR WIDE AREA NETWORK, Post Graduate,
B.DERELİOĞLU(Student), 2007

AKCAYOL M. A. , Kablosuz ağlarda yönlendirme protokolü ve tıkanıklık denetimi, Post Graduate, M.ŞİMŞEK(Student),
2006

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

I. **Candidate sentence selection for extractive text summarization**
Mutlu B., Sezer E., Akcayol M. A.
INFORMATION PROCESSING & MANAGEMENT, vol.57, 2020 (Journal Indexed in SCI)

II. **Deep Learning Based Prediction Model for the Next Purchase**
Utku A., Akcayol M. A.
ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.20, pp.35-44, 2020 (Journal Indexed in SCI)

III. **A new topic modeling based approach for aspect extraction in aspect based sentiment analysis: SS-LDA**
Ozyurt B., Akcayol M. A.
Expert Systems with Applications, 2020 (Journal Indexed in SCI Expanded)

IV. **An Experimental Research on the Use of Recurrent Neural Networks in Landslide Susceptibility Mapping**
MUTLU B., NEFESLİOĞLU H. A. , SEZER E., AKCAYOL M. A. , GÖKÇEOĞLU C.
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.8, no.12, 2019 (Journal Indexed in SCI)

V. **Multi-document extractive text summarization: A comparative assessment on features**
MUTLU B., SEZER E., AKCAYOL M. A.
KNOWLEDGE-BASED SYSTEMS, vol.183, 2019 (Journal Indexed in SCI)

VI. **A weighted multi-attribute-based recommender system using extended user behavior analysis**
Akcayol M. A. , Utku A., Aydogan E., Mutlu B.
ELECTRONIC COMMERCE RESEARCH AND APPLICATIONS, vol.28, pp.86-93, 2018 (Journal Indexed in SCI)

VII. **A modified genetic algorithm for a special case of the generalized assignment problem**

Dorterler M., BAY Ö. F. , AKCAYOL M. A.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.2, pp.794-805, 2017 (Journal Indexed in SCI)

VIII. **A GIS-based novel active monitoring system for fiber networks**

Akdemir O. K. , Dursun T., Arslan S., Benzer R., AKCAYOL M. A.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.1, pp.247-261, 2016 (Journal Indexed in SCI)

IX. **A SCALABLE ROUTING PROTOCOL FOR WIRELESS MESH NETWORKS**

Kocaoglu R., AKCAYOL M. A.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, no.4, pp.891-899, 2012 (Journal Indexed in SCI)

X. **GENE SELECTION FOR BREAST CANCER CLASSIFICATION BASED ON DATA FUSION AND GENETIC ALGORITHM**

YILDIZ O., Tez M., BİLGE H. Ş. , AKCAYOL M. A. , GÜLER İ.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, no.3, pp.659-668, 2012 (Journal Indexed in SCI)

XI. **DEVELOPMENT OF 3G BASED REMOTE CONTROLLED CAR**

Simsek M., Yoldas M., Bulut A., DOĞRU İ. A. , AKCAYOL M. A.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, no.1, pp.135-142, 2012 (Journal Indexed in SCI)

XII. **GENETIC ALGORITHM BASED A NEW ALGORITHM FOR TIME DYNAMIC SHORTEST PATH PROBLEM**

DENER M., AKCAYOL M. A. , Toklu S., BAY Ö. F.

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XIII. **A HYBRID GENETIC ALGORITHM FOR MULTISTAGE INTEGRATED LOGISTICS NETWORK OPTIMISATION PROBLEM**

Demirel N., Gökçen H., Akcayol M. A. , Demirel E.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, pp.929-936, 2011 (Journal Indexed in SCI)

XIV. **A SIMPLE NEURO FUZZY MODEL FOR ISE 100 INDEX PREDICTION**

OK Y., ATAK M., AKCAYOL M. A.

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XV. **Calculation of Electron Energy Distribution Functions From Electron Swarm Parameters Using Artificial Neural Network in SF6 and Argon**

Tezcan S. S. , AKCAYOL M. A. , ÖZERDEM Ö. C. , Dincer M. S.

IEEE TRANSACTIONS ON PLASMA SCIENCE, vol.38, no.9, pp.2332-2339, 2010 (Journal Indexed in SCI)

XVI. **CONGESTION CONTROL IN WAP TRAFFIC AND TRANSPORT LAYER PROTOCOLS**

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XVII. **NEFCLASS based extraction of fuzzy rules and classification of risks of low back disorders**

AKAY D., AKCAYOL M. A. , KURT M.

EXPERT SYSTEMS WITH APPLICATIONS, vol.35, no.4, pp.2107-2112, 2008 (Journal Indexed in SCI)

XVIII. **A HEURISTIC ROUTING PROTOCOL AND CONGESTION CONTROL AT WIRELESS NETWORKS**

Simsek M., AKCAYOL M. A.

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XIX. **Fuzzy pi controller for speed control of switched reluctance motor Bulanik pi denetleyici ile bir anahtarlamali relüktans motorun hiz denetimi**

Elmas Ç., AKCAYOL M. A. , Yiğit T.

Journal of the Faculty of Engineering and Architecture of Gazi University, vol.22, no.1, pp.64-72, 2007 (Journal Indexed in SCI Expanded)

XX. **Neuro-fuzzy controller implementation for an adaptive cathodic protection on Iraq-Turkey crude oil pipeline**
Akcayol M. A. , Sagiroglu Ş.
APPLIED ARTIFICIAL INTELLIGENCE, vol.21, no.3, pp.241-256, 2007 (Journal Indexed in SCI)

XXI. **Implementation of real-time optimization of page layout of internet newspaper using simulated annealing İnternet gazetesi sayfa düzeninin gerçek zamanli eniyilemesinin benzetilmiş tavlama algoritmasiyla gerçekleştirilmesi**
Canbek G., AKCAYOL M. A.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.21, no.2, pp.341-348, 2006 (Journal Indexed in SCI Expanded)

XXII. **Application of fuzzy logic controlled cathodic protection on Iraq-Turkey crude oil pipeline**
Akcayol M. A.
APPLIED INTELLIGENCE, vol.24, no.1, pp.43-50, 2006 (Journal Indexed in SCI)

XXIII. **Forecasting net energy consumption using artificial neural network**
Soezen A., Akcayol M. A. , ARCAKLIOĞLU E.
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, vol.1, no.2, pp.147-155, 2006 (Journal Indexed in SCI)

XXIV. **PICTool: Integrated hardware and software for teaching/learning FLC using microcontrollers**
ERDEM O. A. , Akcayol M. A. , Orman A.
INTELLIGENT AUTOMATION AND SOFT COMPUTING, vol.12, no.4, pp.411-417, 2006 (Journal Indexed in SCI)

XXV. **Artificial neural network based modeling of heated catalytic converter performance**
Akcayol M. A. , Cinar C.
APPLIED THERMAL ENGINEERING, vol.25, pp.2341-2350, 2005 (Journal Indexed in SCI)

XXVI. **Reformulation, as a function of only working temperatures, of performance parameters of a solar driven ejector-absorption cycle using artificial neural networks**
SÖZEN A., Akcayol M. A.
ENERGY SOURCES, vol.27, no.12, pp.1133-1149, 2005 (Journal Indexed in SCI)

XXVII. **NEFCLASS-based neuro fuzzy controller for SRM drive**
Akcayol M. A. , Elmas C.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.18, no.5, pp.595-602, 2005 (Journal Indexed in SCI)

XXVIII. **A computer-based educational tool for pulse width modulator for static converters**
Akcayol M. A. , Yigit T.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.12, no.4, pp.215-223, 2005 (Journal Indexed in SCI)

XXIX. **Temperature prediction in a coal fired boiler with a fixed bed by fuzzy logic based on numerical solution**
Biyikoglu A., Akcayol M. A. , ÖZDEMİR V., Sivrioglu M.
ENERGY CONVERSION AND MANAGEMENT, vol.46, no.1, pp.151-166, 2005 (Journal Indexed in SCI)

XXX. **Modelling (using artificial neural-networks) the performance parameters of a solar-driven ejector-absorption cycle**
SÖZEN A., Akcayol M. A.
APPLIED ENERGY, vol.79, no.3, pp.309-325, 2004 (Journal Indexed in SCI)

XXXI. **Performance prediction of a vapour-compression heat-pump**
SÖZEN A., ARCAKLIOĞLU E., Erisen A., Akcayol M. A.
APPLIED ENERGY, vol.79, no.3, pp.327-344, 2004 (Journal Indexed in SCI)

XXXII. **An educational tool for fuzzy logic controller and classical controllers**
Akcayol M. A. , Elmas C., ERDEM O. A. , Kurt M.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.12, no.2, pp.126-135, 2004 (Journal Indexed in SCI)

XXXIII. **Application of adaptive neuro-fuzzy controller for SRM**

Akcayol M. A.

ADVANCES IN ENGINEERING SOFTWARE, vol.35, pp.129-137, 2004 (Journal Indexed in SCI)

XXXIV. **Performance prediction of a solar driven ejector-absorption cycle using fuzzy logic**

SÖZEN A., Kurt M., Akcayol M. A. , Ozalp M.

RENEWABLE ENERGY, vol.29, no.1, pp.53-71, 2004 (Journal Indexed in SCI)

XXXV. **Virtual electrical machinery laboratory: A fuzzy logic controller for induction motor drives**

Elmas C., Akcayol M. A.

INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION, vol.20, no.2, pp.226-233, 2004 (Journal Indexed in SCI)

XXXVI. **PC based educational tool for a switched reluctance drive with fuzzy logic**

Elmas C., Akcayol M. A.

INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, vol.40, no.3, pp.208-219, 2003 (Journal Indexed in SCI)

XXXVII. **An educational tool for fuzzy logic-controlled BDCM**

Akcayol M. A. , ÇETİN A., Elmas C.

IEEE TRANSACTIONS ON EDUCATION, vol.45, no.1, pp.33-42, 2002 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **A Model for Prediction of Customer Behavior: A Case Study for Banking Sector**

Özdem K., Akcayol M. A.

Niğde Üniversitesi Mühendislik Bilimleri Dergisi, vol.10, no.1, pp.1-8, 2021 (National Refreed University Journal)

II. **Deep Learning based, a New Model for Video Captioning**

Ozer E. G. , Karapinar I. N. , Busbug S., Turan S., Utku A., AKCAYOL M. A.

INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS, vol.11, no.3, pp.514-519, 2020 (Journal Indexed in ESCI)

III. **Design and implementation of web based risk management system based on artificial neural networks for software projects: WEBRISKIT**

CALP M. H. , AKCAYOL M. A.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.26, no.5, pp.993-1014, 2020 (Journal Indexed in ESCI)

IV. **A comprehensive study on stream data characterization, generation and analytics**

UTKU A., AKCAYOL M. A.

Erzincan University Journal of Science and Technology, vol.12, no.1, pp.379-410, 2019 (Refereed Journals of Other Institutions)

V. **Genetic Algorithm and Fuzzy Logic Based FlexibleQuerying in Databases**

ŞENOL A., KARACAN H., AKCAYOL M. A.

JOURNAL OF COMPUTERS, vol.13, no.6, pp.678-691, 2018 (Refereed Journals of Other Institutions)

VI. **A Survey On Sentiment Analysis And Opinion Mining, Methods And Approaches**

ÖZYURT B., AKCAYOL M. A.

Selcuk University, Journal of Engineering Science and Technology, vol.6, no.4, pp.668-693, 2018 (Refereed Journals of Other Institutions)

VII. **Optimization of Project Scheduling Activities in Dynamic CPM and PERT Networks Using Genetic Algorithms**

CALP M. H. , AKCAYOL M. A.

Süleyman Demirel University, Journal of Natural and Applied Sciences, vol.22, no.2, pp.615-627, 2018 (Refereed Journals of Other Institutions)

VIII. **Development of Reserved Reliable Flow Control Algorithm in Mobile Ad Hoc Networks**

DOĞRU İ. A. , ERDEM O. A. , AKCAYOL M. A.

Gazi Journal of Engineering Sciences, vol.4, no.3, pp.144-156, 2018 (Refereed Journals of Other Institutions)

IX. **A New Context-Sensitive Decision Making System For Mobile Cloud Offloading**

TANRIVERDİ M., AKCAYOL M. A.

International Journal of Computer Science Information Technology, vol.10, no.3, pp.71-90, 2018 (Refereed Journals of Other Institutions)

X. **A comprehensive review on the use of big data in recommendation systems**

UTKU A., AKCAYOL M. A.

International Journal of Advances in Engineering and Pure Sciences, vol.30, no.4, pp.339-357, 2018 (Refereed Journals of Other Institutions)

XI. **An Efficient Multi-Threaded Web Crawler Using HashMaps**

Kansu Y., MUTLU B., UTKU A., AKCAYOL M. A.

Journal of Advances in Computer Networks (JACN), vol.5, no.2, pp.65-69, 2017 (Refereed Journals of Other Institutions)

XII. **A New Packet Scheduling Algorithm for Real-Time Multimedia Streaming**

ŞİMŞEK M., DOĞAN N., AKCAYOL M. A.

Network Protocols and Algorithms, vol.9, 2017 (Refereed Journals of Other Institutions)

XIII. **Crime Analysis Based on Association Rules Using Apriori Algorithm**

SEVRİ M., KARACAN H., AKCAYOL M. A.

International Journal of Information and Electronics Engineering, vol.7, no.3, pp.99-102, 2017 (Refereed Journals of Other Institutions)

XIV. **Öğrenebilen ve Adaptif Tavsiye Sistemleri İçin Karşılaştırmalı ve Kapsamlı Bir İnceleme**

UTKU A., AKCAYOL M. A.

Erciyes Üniversitesi Fen Bilimleri Dergisi, vol.33, no.3, 2017 (Other Refereed National Journals)

XV. **Analyzing the Route Cache Timeout Parameter of DSR Protocol in Mobile Ad Hoc Networks**

ÖZYURT B., DOĞRU İ. A. , AKCAYOL M. A.

International Journal of Computer and Communication Engineering (IJCCE), vol.6, no.1, pp.40-48, 2017 (Refereed Journals of Other Institutions)

XVI. **Implementation of a New Recommendation System Based on Decision Tree Using Implicit Relevance Feedback**

UTKU A., KARACAN H., YILDIZ O., AKCAYOL M. A.

Journal of Software, vol.10, no.12, pp.1367-1374, 2015 (Refereed Journals of Other Institutions)

XVII. **Context Aware Decision Making System for Mobile Cloud Offloading**

TANRIVERDİ M., AKCAYOL M. A.

International Journal of Computer Networks & Communications, vol.7, no.6, pp.69-85, 2015 (Refereed Journals of Other Institutions)

XVIII. **The importance of human computer interaction in the development process of software projects**

CALP M. H. , AKCAYOL M. A.

Global Journal of Information Technology, pp.48-54, 2015 (Refereed Journals of Other Institutions)

XIX. **Teknokent lerde Geliştirilen Yazılım Projelerinin Risk Analizi veBaşarı Düzeyleri**

CALP M. H. , AKCAYOL M. A.

Düzce ÜniversitesiBilim ve Teknoloji Dergisi, vol.3, no.1, pp.57-75, 2015 (Other Refereed National Journals)

XX. **Yazılım Projelerinde Karşılaşılan Risk Faktörleri ve Risk Yönetim Süreci**

CALP M. H. , AKCAYOL M. A.

MARMARA UNIVERSITY JOURNAL OF SCIENCE, vol.27, no.1, pp.1, 2015 (Other Refereed National Journals)

XXI. **Performance analysis and solutions for wireless mesh networks**

KOCAOĞLU R., AKCAYOL M. A.

Journal of Informatics Technologies, vol.4, no.3, pp.1-12, 2011 (Other Refereed National Journals)

XXII. **A Survey of Multicast Routing Protocols in Ad Hoc Networks**

BAKER M. R. , AKCAYOL M. A.

Gazi University Journal of Science, vol.24, no.3, pp.451-462, 2011 (Refereed Journals of Other Institutions)

XXIII. **Prediction based handover algorithms in wireless networks**

ATEŞ V., AKCAYOL M. A.

Journal of Informatics Technologies, vol.3, no.3, pp.27-36, 2010 (Other Refereed National Journals)

XXIV. **Application of GSM based smart home**
İNAL K., AKCAYOL M. A.
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XXV. **Hareketli Ad-Hoc Ağlarda Bir Hareketlilik YönetimiProtokolü**
DOĞRU İ. A. , ŞİMŞEK M., AKCAYOL M. A.
Politeknik Dergisi, vol.11, no.4, pp.313-38, 2008 (Other Refereed National Journals)

XXVI. **Secure routing protocols in wireless networks**
ÜNAL M., AKCAYOL M. A.
Journal of Informatics Technologies, vol.1, no.3, pp.7-13, 2008 (Other Refereed National Journals)

XXVII. **XML database query optimization using simulated annealing**
GÖZÜDELİ Y., AKCAYOL M. A.
Journal of Informatics Technologies, vol.1, no.1, pp.13-22, 2008 (Other Refereed National Journals)

XXVIII. **İnternet tabanlı uzaktan güvenlik sistemi tasarımı ve uygulaması**
ERDEM O. A. , AKCAYOL M. A. , Haydar T.
eJournal of New World Sciences Academy, vol.2, no.2, pp.78-86, 2007 (Refereed Journals of Other Institutions)

XXIX. **Internet based remote security system design and implementation**
ERDEM O. A. , AKCAYOL M. A. , TUNA H.
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XXXI. **Present condition analysis and suggestions for e signature applications in the Turkey**
EROL H., AKCAYOL M. A.
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XXXII. **REAL TIME OPTIMIZATION OF WEB PAGE LAYOUT USING GENETIC ALGORITHM**
GÖZÜDELİ Y., AKCAYOL M. A.
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XXXIII. **İnternet Gazetesi Sayfa Düzeninin Gerçek Zamanlı Optimizasyonun Tavlama Benzetimi Algoritmasıyla Gerçekleştirilmesi**
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XXXIV. **A software development for smart card applications for use in health system**
AKCAYOL M. A. , ELMAS Ç.
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XXXV. **Artificial neural network based modeling of injectıon pressure in diesel engines**
AKCAYOL M. A. , ÇINAR C., BÜLBÜL H. İ. , KILIÇARSLAN A.
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XXXVII. **Fuzzy logic controlled cathodic protection circuit design**
AKCAYOL M. A.
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XXXVIII. **Computer controlled trafo redresor unit design and application**
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XL. **Bilgisayarlarda veri sıkıştırma ile elde edilecek kazanımlar**
ERDEM O. A. , AKCAYOL M. A. , AYDIN E.
Gazi Üniversitesi Fen Bilimleri Enstitüsü, vol.8, no.1, pp.46-55, 1995 (Refereed Journals of Other Institutions)

XLI. **Benefits of data compressing in computers**
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Gazi University Journal of Science, vol.8, no.1, pp.46-55, 1995 (Other Refereed National Journals)

Books & Book Chapters

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