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Personal Information

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International Researcher IDs
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Education Information

Post Doctorate, Michigan State University, United States Of America 2004 - 2004
Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2000 - 2003

Dissertations

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

Research Areas

Computer Networks, Artificial Intelligence, Computer Learning and Pattern Recognition

Academic Titles / Tasks

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

Academic and Administrative Experience

Head of Department, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2020 - Continues
Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2012 - 2015
Gazi University, Mühendislik Fakültesi, 2010 - 2013
Gazi University, Bilişim Enstitüsü, Bilgisayar Bilimleri Anabilim Dalı (Disiplinlerarası), 2007 - 2013
Gazi University, Bilişim Enstitüsü, 2006 - 2010

Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2003 - 2010

Courses

Zeki Optimizasyon Teknikleri, Doctorate, 2019 - 2020

Advising Theses

Akcayol M. A., DERİN ÖĞRENME KULLANARAK KIZILÖTESİ GÖRÜNTÜLERİ RENKLENDİRME, Postgraduate, O.ÇİFTÇİ(Student), 2021
Akcayol M. A., Heterojen veri kaynaklarında fikir madenciliği, otomatik özellik çıkarımı ve duygu analizi, Doctorate, B.ÖZYURT(Student), 2021
Akcayol M. A., Düşük Işıkta Sürücü Yorgunluk Tespiti, Postgraduate, E.KAVALCI(Student), 2021
Akcayol M. A., Öneri sistemlerinde derin öğrenme tabanlı otomatik sorgu tamamlama, Postgraduate, A.REHMAN(Student), 2021
Akcayol M. A., Text summarization by hybrid intelligent system, Doctorate, B.MUTLU(Student), 2020
AKCAYOL M. A., Recommendatıon System Based On Dıstrıbutıon Predıctıon In Stream Data And Unexpected Recommendatıon, Doctorate, A.UTKU(Student), 2020
AKCAYOL M. A., Semantıc Match Based Automatıc Meta Search Engıne And Applıcatıon, Doctorate, Y.GÖZÜDELİ(Student), 2020
AKCAYOL M. A., Adaptıve, Context-Aware And Learnıng Smart Home System, Postgraduate, G.KAYA(Student), 2019
AKCAYOL M. A., Creatıng A Data Set For Anomaly Detectıon In Network Traffıc And Comparıson Of Test Methods, Postgraduate, E.ERGİNAY(Student), 2019
AKCAYOL M. A., Anomaly Detectıon For Stream Data, Postgraduate, O.CAN(Student), 2019
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., Improvement of realization quality of aerospace products using augmented reality technology, Postgraduate, N.BAHAR(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., User Behavıour Based Recommendatıon Engıne, Postgraduate, A.UTKU(Student), 2015
AKCAYOL M. A., Vehicle to vehicle ad hoc network application, Postgraduate, İ.KÖK(Student), 2015
AKCAYOL M. A., Bulut bilişim üzerinde restful tabanlı mobil mashup uygulaması, Postgraduate, M.DEMİRCİOĞLU(Student), 2015
AKCAYOL M. A., Developing an adaptive context aware mobile application, Postgraduate, M.İKBAL(Student), 2014
AKCAYOL M. A., Cloud computing data security, Postgraduate, A.ÖZ(Student), 2013
AKCAYOL M. A., Development of the transport layer protocol for IPTV, Postgraduate, A.HÜSEYNLİ(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, Postgraduate, B.DERELİOĞLU(Student), 2007
AKCAYOL M. A., Kablosuz ağlarda yönlendirme protokolü ve tıkanıklık denetimi, Postgraduate, M.ŞİMŞEK(Student), 2006

Jury Memberships

Doctorate, Doctorate, Düzce Üniversitesi, June, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Spread patterns of COVID-19 in European countries: hybrid deep learning model for prediction and transmission analysis**
Utku A., AKCAYOL M. A.
Neural Computing and Applications, 2024 (SCI-Expanded)

II. **Deep Learning Based Classification for Hoverflies (Diptera: Syrphidae)**
Ayaz Z., Akcayol M. A., Çiftçi D., Utku A.
JOURNAL OF THE ENTOMOLOGICAL RESEARCH SOCIETY, vol.25, no.2, pp.529-544, 2023 (SCI-Expanded)

III. **Deep convolutional neural network—the evaluation of cervical vertebrae maturation**
AKAY G., AKCAYOL M. A., ÖZDEM K., GÜNGÖR K.
Oral Radiology, vol.39, no.4, pp.629-638, 2023 (SCI-Expanded)

IV. **Continuous Knowledge Graph Refinement with Confidence Propagation**
Huseynli A., AKCAYOL M. A.
IEEE Access, vol.11, pp.59226-59237, 2023 (SCI-Expanded)

V. **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, vol.168, 2021 (SCI-Expanded)

VI. **Candidate sentence selection for extractive text summarization**
Mutlu B., Sezer E., Akcayol M. A.
INFORMATION PROCESSING & MANAGEMENT, vol.57, 2020 (SCI-Expanded)

VII. **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 (SCI-Expanded)

VIII. **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 (SCI-Expanded)

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

X. **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 (SCI-Expanded)

XI. **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 (SCI-Expanded)

XII. **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 (SCI-Expanded)

XIII. **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 (SCI-Expanded)

XIV. **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 (SCI-Expanded)

XV. **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 (SCI-Expanded)

XVI. **A SIMPLE NEURO FUZZY MODEL FOR ISE 100 INDEX PREDICTION**
OK Y., ATAK M., AKCAYOL M. A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.4, pp.897-904, 2011 (SCI-Expanded)

XVII. **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 (SCI-Expanded)

XVIII. **GENETIC ALGORITHM BASED A NEW ALGORITHM FOR TIME DYNAMIC SHORTEST PATH PROBLEM**
DENER M., AKCAYOL M. A., Toklu S., BAY Ö. F.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.4, pp.915-928, 2011 (SCI-Expanded)

XIX. **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 (SCI-Expanded)

XX. **CONGESTION CONTROL IN WAP TRAFFIC AND TRANSPORT LAYER PROTOCOLS**
Toklu S., AKCAYOL M. A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.24, no.3, pp.397-407, 2009 (SCI-Expanded)

XXI. **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 (SCI-Expanded)

XXII. **A HEURISTIC ROUTING PROTOCOL AND CONGESTION CONTROL AT WIRELESS NETWORKS**
Simsek M., AKCAYOL M. A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.23, no.1, pp.57-63, 2008 (SCI-Expanded)

XXIII. **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 (SCI-Expanded)

XXIV. **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 (SCI-Expanded)

XXV. **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 (SCI-Expanded)

XXVI. **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 (SCI-Expanded)

XXVII. **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 (SCI-Expanded)

XXVIII. **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 (SCI-Expanded)

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

XXX. **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 (SCI-Expanded)

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

XXXII. **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 (SCI-Expanded)

XXXIII. **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 (SCI-Expanded)

XXXIV. **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 (SCI-Expanded)

XXXV. **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 (SCI-Expanded)

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

XXXVII. **Application of adaptive neuro-fuzzy controller for SRM**
Akcayol M. A.
ADVANCES IN ENGINEERING SOFTWARE, vol.35, pp.129-137, 2004 (SCI-Expanded)

XXXVIII. **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 (SCI-Expanded)

XXXIX. **Virtual electrical machinery laboratory: A fuzzy logic controller for induction motor drives**
Elmas Ç., Akcayol M. A.
INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION, vol.20, no.2, pp.226-233, 2004 (SCI-Expanded)

XL. **PC based educational tool for a switched reluctance drive with fuzzy logic**
Elmas Ç., Akcayol M. A.
INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, vol.40, no.3, pp.208-219, 2003 (SCI-Expanded)

XLI. **An educational tool for fuzzy logic-controlled BDCM**
Akcayol M. A., ÇETİN A., Elmas Ç.
IEEE TRANSACTIONS ON EDUCATION, vol.45, no.1, pp.33-42, 2002 (SCI-Expanded)

Articles Published in Other Journals

I. **Forecasting the Spread of COVID-19 Using Deep Learning and Big Data Analytics Methods**
Kiganda C., AKCAYOL M. A.
SN Computer Science, vol.4, no.4, 2023 (Scopus)

II. **IMPROVING QOS IN MOBILE MULTIMEDIA STREAMING WITH SCTP-PQ**
Hüseynli A., Şimşek M., AKCAYOL M. A.
Acta Polytechnica, vol.63, no.5, pp.347-355, 2023 (ESCI)

III. **Deep Learning Based Video Event Classification**
Gencaslan S., Utku A., AKCAYOL M. A.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, 2022 (ESCI)

IV. **Bird Species Classification Using Deep Learning: A Comparative Study**
Mutlu Bilgin M., Özdem K., Akcayol M. A.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.25, no.3, pp.1251-1260, 2022 (ESCI)

V. **Machine Learning-Based Comparative Study For Heart Disease Prediction**
Güllü M., Akcayol M. A., Barışçı N.
Advances in Artificial Intelligence Research, vol.2, no.2, pp.51-58, 2022 (Peer-Reviewed Journal)

VI. **Deep Learning Based Forecasting of Delay on Flights**
Ayaydın A., Akcayol M. A.
INTERNATIONAL JOURNAL OF INFORMATICS TECHNOLOGIES, vol.15, no.3, pp.239-249, 2022 (Peer-Reviewed Journal)

VII. **Türkiye'de Bağlantılı Araç Teknolojisinin Gelişimi**
Akcayol M. A., Erceylan G.
Avrupa Bilim ve Teknoloji Dergisi, vol.37, pp.139-146, 2022 (Peer-Reviewed Journal)

VIII. **A novel web ranking algorithm based on pages multi-attribute**
Baker M. R., AKCAYOL M. A.
International Journal of Information Technology (Singapore), vol.14, no.2, pp.739-749, 2022 (Scopus)

IX. **Derin Öğrenme ile Görüntülerde Gürültü Azaltma Üzerine Kapsamlı Bir İnceleme**
Yapıcı A., Akcayol M. A.
International journal of advances in engineering and pure sciences (Online), vol.34, no.1, pp.65-90, 2022 (Peer-Reviewed Journal)

X. **Prediction of the Next Time of an Event with Deep Learning Based Model**
Utku A., AKCAYOL M. A.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.24, no.1, pp.1-15, 2021 (ESCI)

XI. **A Model for Prediction of Customer Behavior: A Case Study for Banking Sector**
Özdem K., Akcayol M. A.
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.10, no.1, pp.1-8, 2021 (Peer-Reviewed Journal)

XII. **Derin Öğrenme Tabanlı Model ile Bir Olayın Sonraki Olma Zamanının Tahmini**
UTKU A., AKCAYOL M. A.
Journal of Polytechnic, vol.24, no.1, pp.1-15, 2021 (ESCI)

XIII. **VİDEO ETİKETLEME UYGULAMALARINDA DERİN ÖĞRENME YAKLAŞIMLARININ KULLANILMASI ÜZERİNE KAPSAMLI BİR İNCELEME**
ALPAY Ö., AKCAYOL M. A.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.8, no.5, pp.271-289, 2020 (Peer-Reviewed Journal)

XIV. **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 (ESCI)

XV. **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 (ESCI)

XVI. **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 (Peer-Reviewed Journal)

XVII. **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 (Peer-Reviewed Journal)

XVIII. **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 (Peer-Reviewed Journal)

XIX. **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 (Peer-Reviewed Journal)

XX. **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 (Peer-Reviewed Journal)

XXI. **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 (Peer-Reviewed Journal)

XXII. **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 (Peer-Reviewed Journal)

XXIII. **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 (Peer-Reviewed Journal)

XXIV. **A New Packet Scheduling Algorithm for Real-Time Multimedia Streaming**
ŞİMŞEK M., DOĞAN N., AKCAYOL M. A.
Network Protocols and Algorithms, vol.9, 2017 (Peer-Reviewed Journal)

XXV. **Crime Analysis Based on Association Rules Using Apriori Algorithm**
Sevri M., Karacan H., Akcayol M. A.
International Journal of Information and Electronics Engineering, vol.7, no.3, pp.99-102, 2017 (Peer-Reviewed Journal)

XXVI. **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 (Peer-Reviewed Journal)

XXVII. **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 (Peer-Reviewed Journal)

XXVIII. **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 (Peer-Reviewed Journal)

XXIX. **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 (Peer-Reviewed Journal)

XXX. **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 (Peer-Reviewed Journal)

XXXI. **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 (Peer-Reviewed Journal)

XXXII. **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 (Peer-Reviewed Journal)

XXXIII. **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 (Scopus)

XXXIV. **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 (Peer-Reviewed Journal)

XXXV. **Prediction based handover algorithms in wireless networks**
ATEŞ V., AKCAYOL M. A.
Journal of Informatics Technologies, vol.3, no.3, pp.27-36, 2010 (Peer-Reviewed Journal)

XXXVI. **Application of GSM based smart home**
İNAL K., AKCAYOL M. A.
Journal of Informatics Technologies, vol.2, no.2, pp.37-43, 2009 (Peer-Reviewed Journal)

XXXVII. **Hareketli Ad-Hoc Ağlarda Bir Hareketlilik YönetimiProtokolü**
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AKCAYOL M. A., YILDIZ O., Industrial Thesis Project, Anlamsal Eşleştirme Temelli Otomatik Meta Arama Motoru ve Uygulaması Huawei Telekomunikasyon Ltd Şti ve Bilim Sanayi ve Teknoloji Bakanlığı tarafından desteklenmiştir Proje Yürütücüsü 0431 STZ 2013 2 2013, 2014 - 2015

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Akcayol M. A., Ministry of Health, 18 Yaş Altı Oku Yazar Bireylerin Internet Bağımlılığının Sosyo Demografik Özelliklerine Göre Analizi ve Birey Sağlığı Üzerindeki Etkilerinin Tespiti Araştırması, 2014 - 2015
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Akcayol M. A., Gökçen H., TUBITAK Project, Performans Tabanlı Kaynak Yönetim Sistemiyle Trafik Denetleme ve Kaza Bilirkişilik Hizmetlerinin Yeniden Yapılandırılması ve Bölge Trafik İstasyonlarının Lokasyonlarının Optimizasyonu, 2012 - 2012
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AKCAYOL M. A., Project Supported by Higher Education Institutions, Genişbant Kablosuz Mobil Ağlarda Güvenlik Bilinçli Zeki Yönlendirme Protokolü Geliştirilmesi, 2009 - 2011
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Scientific Refereeing

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TUBITAK Project, 1501 - Industry R & D Projects Support Program, MPES , Turkey, April 2020
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Metrics

Publication: 152
Citation (WoS): 619
Citation (Scopus): 854
H-Index (WoS): 13
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Congress and Symposium Activities

4th International Conference on Artificial Intelligence and Big Data, Session Moderator, Chengdu, China, 2021

Non Academic Experience

Gazi Üniversitesi
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