

Prof. ADNAN KAVAK

Personal Information

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Education Information

Doctorate, The University of Texas at Austin, School of Engineering, Electrical and Computer Engineering, United States Of America 1996 - 2000

Postgraduate, The University of Texas at Austin, School of Engineering, Electrical and Computer Engineering, United States Of America 1994 - 1996

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 1987 - 1992

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Vector Propagation Channels For Smart Antenna Wireless Communication Systems, The University Of Texas At Austin, Elektrik-Bilgisayar Mühendisliği, 2000

Postgraduate, Grpund Specular Reflection Effects at L band and UHF Band GPS Signals, The University Of Texas At Austin, Elektrik-Bilgisayar Mühendisliği, 1996

Research Areas

Information Systems, Communication and Control Engineering, Computer Sciences, Electrical and Electronics Engineering

Academic Titles / Tasks

Professor, Kocaeli University, Bilgisayar Mühendisliği Bölümü, 2011 - Continues

Associate Professor, Kocaeli University, Bilgisayar Mühendisliği Bölümü, 2005 - 2011

Assistant Professor, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2003 - 2005

Assistant Professor, Kocaeli University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, 2001 - 2003

Academic and Administrative Experience

Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2013 - Continues

Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2011 - Continues
Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2006 - 2006
Kocaeli Üniversitesi, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, 2001 - 2003
Kocaeli Üniversitesi, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, 2001 - 2003

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Self-adaptive medium access control protocol for aggregated VLC-RF wireless networks**
Kucuk K., Msongaleli D. L. , Akbulut O., KAVAK A., Bayilmis C.
OPTICS COMMUNICATIONS, vol.488, 2021 (Journal Indexed in SCI)
- II. **Comparative performance analysis of cooperative and multi dual-hop relay networks using MGF approach**
Asshad M., Kavak A., Küçük K., Ahmad Khan S.
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.33, 2020 (Journal Indexed in SCI)
- III. **Using Moment Generating Function for Performance Analysis in Non-Regenerative Cooperative Relay Networks with Max-Min Relay Selection**
Asshad M., KAVAK A., KÜÇÜK K., Khan S. A.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.116, 2020 (Journal Indexed in SCI)
- IV. **Physical Layer Detection of Malicious Relays in LTE-A Network Using Unsupervised Learning**
Yengi Y., KAVAK A., Arslan H.
IEEE ACCESS, vol.8, pp.154713-154726, 2020 (Journal Indexed in SCI)
- V. **Cooperative communications using relay nodes for next-generation wireless networks with optimal selection techniques: A review**
Asshad M., Khan S. A. , KAVAK A., KÜÇÜK K., Msongaleli D. L.
IEEE JOURNAL OF ELECTRICAL AND ELECTRONIC ENGINEERING, vol.14, no.5, pp.658-669, 2019 (Journal Indexed in SCI)
- VI. **Adaptive Polling Medium Access Control Protocol for Optic Wireless Networks**
Msongaleli D. L. , Küçük K., Kavak A.
APPLIED SCIENCES-BASEL, vol.9, 2019 (Journal Indexed in SCI)
- VII. **A Novel Fractional Frequency Reuse Scheme for Interference Management in LTE-A HetNets**
Khan S. A. , Kavak A., Colak S., Küçük K.
IEEE ACCESS, vol.7, pp.109662-109672, 2019 (Journal Indexed in SCI)
- VIII. **Idle Time Estimation for Bandwidth-Efficient Synchronization in Replicated Distributed File System**
GULAGIZ F., EKEN S., KAVAK A., SAYAR A.
INTERNATIONAL ARAB JOURNAL OF INFORMATION TECHNOLOGY, vol.15, no.2, pp.177-185, 2018 (Journal Indexed in SCI)
- IX. **Throughput Maximization of CSMA in Cognitive Radio Networks with Cooperative Spectrum Sensing**
Atmaca S., Sayli O., Yuan J., KAVAK A.
WIRELESS PERSONAL COMMUNICATIONS, vol.92, no.4, pp.1473-1492, 2017 (Journal Indexed in SCI)
- X. **A mobile and web application-based recommendation system using color quantization and collaborative filtering**
Kaya F., Yildiz G., KAVAK A.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.23, no.3, pp.900-912, 2015 (Journal Indexed in SCI)
- XI. **Smart and Reconfigurable Antenna Applications in Wireless Sensor Networks**
Yegin K., KAVAK A., Cayirci E., Dandekar K.
INTERNATIONAL JOURNAL OF DISTRIBUTED SENSOR NETWORKS, 2014 (Journal Indexed in SCI)
- XII. **Connectivity Analysis for Wireless Sensor Networks with Antenna Array Integrated Central Node**
KÜÇÜK K., KAVAK A.
WIRELESS PERSONAL COMMUNICATIONS, vol.72, no.2, pp.1361-1371, 2013 (Journal Indexed in SCI)

- XIII. **A modified sectoral sweeper-based localization estimation and its implementation in a multi-hop wireless sensor networking environment by using OPNET**
KÜÇÜK K., Bandirmali N., KAVAK A., ATMACA S.
SIMULATION-TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL, vol.89, no.6, pp.746-761, 2013 (Journal Indexed in SCI)
- XIV. **A learning approach in link adaptation for MIMO-OFDM systems**
YİĞİT H., KAVAK A.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.21, no.5, pp.1465-1478, 2013 (Journal Indexed in SCI)
- XV. **Analytical Derivation of 2 x 2 MIMO Channel Capacity in Terms of Multipath Angle Spread and Signal Strength**
YİĞİT H., KAVAK A.
FREQUENZ, vol.66, pp.97-100, 2012 (Journal Indexed in SCI)
- XVI. **FPGA Based Implementation and Comparison of Beamformers for CDMA2000**
Dıkmese S., Kavak A., Küçük K., Şahin S., Tangel A.
WIRELESS PERSONAL COMMUNICATIONS, vol.57, pp.233-253, 2011 (Journal Indexed in SCI)
- XVII. **Scalable location estimation using smart antennas in wireless sensor networks**
KÜÇÜK K., KAVAK A.
AD HOC NETWORKS, vol.8, no.8, pp.889-903, 2010 (Journal Indexed in SCI)
- XVIII. **Digital signal processor against field programmable gate array implementations of space-code correlator beamformer for smart antennas**
Dıkmese S., Kavak A., Küçük K., Şahin S., Tangel A., Dincer H.
IET MICROWAVES ANTENNAS & PROPAGATION, vol.4, pp.593-599, 2010 (Journal Indexed in SCI)
- XIX. **Capacity Improvement for TDD-MIMO Systems via AR Modeling Based Linear Prediction**
YİĞİT H., KAVAK A., KÜÇÜK K.
WIRELESS PERSONAL COMMUNICATIONS, vol.52, no.2, pp.411-418, 2010 (Journal Indexed in SCI)
- XX. **A Practical Space-Code Correlator Receiver for DSP Based Software Radio Implementation in CDMA2000**
KÜÇÜK K., KAVAK A., KARAKOC M., YİĞİT H., Ozdemir C.
WIRELESS PERSONAL COMMUNICATIONS, vol.49, no.2, pp.245-261, 2009 (Journal Indexed in SCI)
- XXI. **Genetic approach for dynamic OVFSF code allocation in 3G wireless networks**
Karakoc M., KAVAK A.
APPLIED SOFT COMPUTING, vol.9, no.1, pp.348-361, 2009 (Journal Indexed in SCI)
- XXII. **Interference analysis and capacity for forward link 3G CDMA network with adaptive antennas**
KAVAK A., Karakoc M., Torlak M., ÖZDEMİR C.
WIRELESS COMMUNICATIONS & MOBILE COMPUTING, vol.8, no.4, pp.531-543, 2008 (Journal Indexed in SCI)
- XXIII. **Smart antenna based OVFSF code assignment for WCDMA networks**
KAVAK A., Karakoc M.
WIRELESS PERSONAL COMMUNICATIONS, vol.43, no.4, pp.1761-1766, 2007 (Journal Indexed in SCI)
- XXIV. **Performance of adaptive antenna array based dynamic OVFSF code assignment for multipath propagation and multicell environment**
Karakoc M., KAVAK A.
FREQUENZ, vol.61, pp.254-258, 2007 (Journal Indexed in SCI)
- XXV. **A synthetic aperture radar-based focusing algorithm for B-SCAN ground penetrating radar imagery**
Yigit E., Demirci S., Ozdemir C., Kavak A.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.49, no.10, pp.2534-2540, 2007 (Journal Indexed in SCI)
- XXVI. **A hyperbolic summation method to focus B-scan ground penetrating radar images: An experimental study with a stepped frequency system**
Ozdemir C., Demirci S., Yigit E., Kavak A.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.49, no.3, pp.671-676, 2007 (Journal Indexed in SCI)
- XXVII. **The sectoral sweeper scheme for wireless sensor networks: Adaptive antenna array based sensor**

node management and location estimation

Erdogan A., Coskun V., Kavak A.

WIRELESS PERSONAL COMMUNICATIONS, vol.39, no.4, pp.415-433, 2006 (Journal Indexed in SCI)

XXVIII. **Using adaline neural network for performance improvement of smart antennas in TDD wireless communications**

Kavak A., Yigit H., Ertunc H. M.

IEEE TRANSACTIONS ON NEURAL NETWORKS, vol.16, no.6, pp.1616-1625, 2005 (Journal Indexed in SCI)

XXIX. **Spatial and temporal fading correlations of a uniform circular array smart antenna in urban vehicular propagation**

Kavak A.

MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.40, no.1, pp.61-65, 2004 (Journal Indexed in SCI)

XXX. **Evaluation of smart antenna algorithms for cdma2000 reverse link**

Karakoc M., Kavak A.

NETWORKING 2004, vol.3042, pp.1360-1365, 2004 (Journal Indexed in SCI)

XXXI. **Software radio implementation of a smart antenna system on digital signal processors for cdma2000**

Kucuk K., KARAKOC M., KAVAK A.

INTELLIGENT INFORMATION TECHNOLOGY, PROCEEDINGS, vol.3356, pp.97-106, 2004 (Journal Indexed in SCI)

XXXII. **Autoregressive and neural network model based predictions for downlink beamforming**

YIĞİT H., Kavak A., Ertunc M.

ADVANCES IN NEURAL NETWORKS - ISSN 2004, PT 2, vol.3174, pp.254-261, 2004 (Journal Indexed in SCI)

XXXIII. **Characteristics of vector propagation channels in dynamic mobile scenarios**

Kavak A., Yang W., Xu G., Vogel W.

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol.49, no.12, pp.1695-1702, 2001 (Journal Indexed in SCI)

XXXIV. **Mobile transmit diversity for base-station antenna arrays**

Kavak A., Xu G.

MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.30, no.2, pp.95-97, 2001 (Journal Indexed in SCI)

XXXV. **Vector channels for smart antennas - Measurements statistical modeling, and directional properties in outdoor environments**

Kavak A., Torlak M., Vogel W., Xu G.

IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, vol.48, no.6, pp.930-937, 2000 (Journal Indexed in SCI)

XXXVI. **Using GPS to measure ground complex permittivity**

Kavak A., Vogel W., Xu G.

ELECTRONICS LETTERS, vol.34, no.3, pp.254-255, 1998 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **A Clinical Decision Support Method and Mobile Application for Remote Monitoring of Diabetic Patients**

Talayhan C., KAVAK A.

Artificial Intelligence Theory and Applications, vol.1, no.2, pp.253-262, 2021 (Refereed Journals of Other Institutions)

II. **Machine Learning Based Polyneuropathy Diagnosis Using Electromyogram Data**

Tanik N., KAVAK A.

Artificial Intelligence Theory and Applications, vol.1, no.2, pp.148-155, 2021 (Refereed Journals of Other Institutions)

III. **Dynamic Routing of Emergency Vehicles with Traffic Management System and Implementation on CupCarbon for Smart Cities**

Ahmet Mirza Y., Adnan K.

International Journal of Emerging Trends in Engineering Research, vol.9, no.11, pp.1407-1412, 2021 (Refereed Journals of Other Institutions)

- IV. **An IoT Based Intelligent Traffic Management System and Its Implementation on Cupcarbon for Smart Cities**
Oğuz A., Adnan K.
International Journal of Emerging Trends in Engineering Research, vol.9, no.11, pp.1387-1394, 2021 (Refereed Journals of Other Institutions)
- V. **A Power Control Algorithm (PCA) and Software Tool for Femtocells in LTE-A Networks**
KHAN s., ASHAD m., KÜÇÜK K., KAVAK A.
Sakarya University Journal of Science, vol.22, pp.1124-1129, 2018 (Other Refereed National Journals)
- VI. **Fall detection using smartphone-based application**
Yıldırım K., UÇAR G., Keskin T., KAVAK A.
International Journal of Applied Mathematics, Electronics and Computers, vol.4, no.4, pp.140-144, 2016 (Refereed Journals of Other Institutions)
- VII. **Analyzing Entity Framework Technology for An Indoor Decoration Based Recommendation System**
KAYA F., Başaran U., KAVAK A.
JOURNAL OF COMPUTERS, vol.11, pp.320-328, 2016 (Journal Indexed in ESCI)
- VIII. **A Comparison of Imputation Techniques using Network Traffic Data**
KAYA F., GÖK O., KAVAK A.
International Journal of Computer Applications, vol.142, pp.25-29, 2016 (Refereed Journals of Other Institutions)
- IX. **A Study on Environmental Effect of Electromagnetic Waves**
KAYA F., GÖZ F., KAVAK A.
International Journal of Computer Applications, vol.140, pp.35-41, 2016 (Refereed Journals of Other Institutions)
- X. **Beacon Temelli Sanal Etiket Uygulaması**
KAYA F., GÖZ F., Şahin E., Albayrak M. S. , KAVAK A.
BİLECİK ŞEYH EDEBALI ÜNİVERSİTESİ FEN BİLİMLERİ DERGİSİ, vol.3, pp.1-7, 2016 (Other Refereed National Journals)
- XI. **Üçüncü Nesil CDMA Sistemler İçin Yeni Bir Akıllı Anten Algoritması Gerçekleştirilmesi ve Performans Analizi**
Küçük K., Mustafa K., Kavak A., Yiğit H.
Gazi Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.21, pp.801-808, 2006 (National Refreed University Journal)
- XII. **Implementation and Performance Analysis of a Novel Smart Antenna Algorithm for 3G CDMA Systems**
KÜÇÜK K., MUSTAFA K., KAVAK A., YİĞİT H.
Journal of The Faculty of Engineering and Architecture of Gazi University, vol.21, pp.801-808, 2006 (Other Refereed National Journals)
- XIII. **Adaptive Linear Prediction based Downlink Beamforming for Wireless Communication Systems**
YİĞİT H., KAVAK A.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.18, pp.409-419, 2005 (Other Refereed National Journals)
- XIV. **Design and Implementation of Floating Point Arithmetics on FPGA using VHDL**
ŞAHİN S., KAVAK A.
Journal of Naval Science and Engineering, vol.3, pp.57-70, 2005 (Refereed Journals of Other Institutions)
- XV. **Overview of Smart Antenna Methodologies for Mobile Communications**
KARAKOÇ M., YİĞİT H., KÜÇÜK K., KAVAK A.
Journal of Naval Science and Engineering, vol.2, pp.51-66, 2004 (Other Refereed National Journals)

Books & Book Chapters

- I. **A Novel Signaling Protocol (ARCSPXP): Case Study on Synchronization of Educational Data**

EKEN S., KAYA F., SAYAR A., KAVAK A., İLHAN Z., KOCASARAÇ U.

in: Mobile Networks and Management, Ramón Agüero, Yasir Zaki, Bernd-Ludwig Wenning, Anna Förster, Andreas Timm-Giel, Editor, Springer International Publishing, 2017

II. A Method for Localization of Computational Node and Proxy Server in Educational Data Synchronization

KAYA F., EKEN S., SAYAR A., KAVAK A., ŞAHİN S.

in: Wireless Internet Lecture Notes of the Inst A Method for Localization of Computational Node and Proxy Server in Educational Data Synchronization, Mumtaz, S., Rodriguez, J., Katz, M., Wang, C., Nascimento, A. (Eds.), Editor, Springer, pp.180-190, 2015

III. A method for localization of computational node and proxy server in educational data synchronization

EKEN S., KAYA F., SAYAR A., KAVAK A.

in: Wireless Internet, Mumtaz Shahid, Rodriguez Jonathan, Katz Marcos, Wang Chonggang, Nascimento Alberto, Editor, Springer, 2015

IV. Implementation of floating point arithmetics using an FPGA

ŞAHİN S., KAVAK A., BECERİKLİ Y., demiray h. e.

in: Mathematical Methods in Engineering Edits, K. Taş, J. A. Tenreiro Machado, D. Baleanu, Editor, Springer, pp.445-453, 2007

Refereed Congress / Symposium Publications in Proceedings

I. Cloud Based IoE Connectivity Engines for The Next Generation Networks: Challenges and Architectural Overview

Sırma M., KAVAK A., İNNER A. B.

2019 1st International Informatics and Software Engineering Conference (UBMYK), Ankara, Turkey, Turkey, 6 - 07 November 2019

II. Performance Analysis of Multi-Node Cooperative Network with Amplify and Forward Relay Protocol

Asshad M., Ahmad S. A. , KAVAK A., KÜÇÜK K.

1st International Informatics and Software Engineering Conference, 6 - 07 November 2019

III. Evaluation of Multi Dual-Hop and Cooperative Relay Networks using MGF Based Analysis

Ashad M., Khan S. A. , Kavak A., Küçük K.

1st International Informatics and Software Engineering Conference, Ankara, Turkey, 6 - 07 November 2019

IV. A User Location Distribution Based FFR Strategy for Efficient Utilization of Radio Resources in LTE-A HetNets

Khan S. A. , ALDIRMAZ ÇOLAK S., KAVAK A., KÜÇÜK K.

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V. Malicious Relay Node Detection with Unsupervised Learning in Amplify-Forward Cooperative Networks

Yengi Y., Kavak A., Arslan H., Küçük K., Yiğit H.

International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (3ICT), Sitrah, Bahrain, 22 - 23 September 2019, pp.1-5

VI. A new fractional frequency reuse method for interference management in LTE-A HetNets

Khan S. A. , Kavak A., Küçük K., Asshad M.

27th Signal Processing and Communications Applications Conference, SIU 2019, Sivas, Turkey, 24 - 26 April 2019

VII. Tarım Arazisinde Dikili Fidanların Gelisim ve Verimlilik Takibi icin Coğrafi Bilgi Sistemlerine Dayalı Mobil Uygulama Gelistirilmesi

Erbay G., KAVAK A., İNNER A. B.

International Symposium on Innovative Approaches in Scientific Studies (ISAS Winter 2018), Samsun, Turkey, 30 November - 02 December 2018, pp.764-768

VIII. QRS detection on IOS platform based on single channel practical ECG measurement for remote

patient monitoring

Avcu F., KAVAK A., İNNER A. B.

2018 26th Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018

- IX. **ALTHIS: Design of An End to End Integrated Remote Patient Monitoring System and a Case Study for Diabetic Patients**
KAVAK A., İNNER A. B.
Medical Technologies National Congress (TIPTEKNO), Magusa, CYPRUS, 8 - 10 November 2018
- X. **Lucrative Data Center Transformation Strategies at Digital Age Wins to Business Infinity**
Sırma M., KAVAK A.
4TH INTERNATIONAL CONFERENCE ON "INNOVATIVE TRENDS IN MULTIDISCIPLINARY ACADEMIC RESEARCH" (ITMAR-2017), İstanbul, Turkey, 20 - 21 October 2017
- XI. **A novel signaling protocol (ARCSPXP): Case study on synchronization of educational data**
EKEN S., Gülağız F., SAYAR A., KAVAK A., KOCASARAÇ U., İLHAN Z.
8th EAI International Conference on Mobile Networks and Management, MONAMI 2016, Abu Dhabi, United Arab Emirates, 23 - 24 October 2016, vol.191, pp.31-43
- XII. **Big Data Overview With Open Challenges and Research Areas**
Oktay T., KAVAK A.
International Science and Technology Conference (ISTEC 2016), Viyana, Austria, 13 - 15 July 2016, pp.189
- XIII. **Transport Power Control Algorithm for LTE A Femtocell Networks**
Khan S. A., KAVAK A., Ashad M., KAYA F.
ICAT 2016, Konya, Turkey, 1 - 03 October 2016, pp.204-207
- XIV. **TRANSMIT POWER CONTROL TPC ALGORITHM FOR LTE A FEMTOCELL NETWORKS**
Khan S. A., KAVAK A., Asshad M., KAYA F.
3rd International Conference on Advanced Technology & Sciences, Konya, Turkey, 1 - 03 September 2016
- XV. **A Study Based on Clustering Techniques in Data Mining Comparison of Farthest First Clustering Density Based Clustering K means and K Medoids Algorithms**
KAYA F., KAVAK A.
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- XVI. **Design and Implementation of a Communication Protocol for Mobile Device Controlled Smart Home Management System**
MENTEŞOĞLU m., KAVAK A., YAKUT M., TANGEL A., ŞAHİN S., ÖZCAN H.
SIU2015, Turkey, 16 - 19 May 2015
- XVII. **A Cluster Based Routing Approach in LTE Ad-hoc Networks**
Karahan A., KAVAK A., Atmaca S.
International Conference on Information and Communication Technology Research (ICTRC 2015), Abu Dhabi, United Arab Emirates, 17 - 19 May 2015, pp.250-253
- XVIII. **Estimation of Idle Time for Synchronization: A Case Study on Fatih Project**
Gulagiz F., EKEN S., KAVAK A., SAYAR A.
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1158-1161
- XIX. **A method for localization of computational node and proxy server in educational data synchronization**
EKEN S., Kaya F., SAYAR A., KAVAK A., ŞAHİN S.
8th International Wireless Internet Conference, WICON 2014, Lisbon, Portugal, 13 - 14 November 2014, vol.146, pp.180-190
- XX. **Bulut Vekil Sunucu ve Tabletler Arasında Veri Senkronizasyonu için RTT Kullanarak Farklı Kümeleme Metotlarının Değerlendirilmesi**
EKEN S., KAYA F., GÜNGÖR A., SAYAR A., KAVAK A., ŞAHİN S.
Elektrik, Elektronik, Bilgisayar ve Biyomedikal Mühendisliği Sempozyumu, Turkey, 27 - 29 November 2014
- XXI. **Bulut Vekil Sunucu ve Tabletler Arasında Veri Senkronizasyonu için RTT Kullanarak Farklı Kümeleme Metodlarının Değerlendirilmesi**

- EKEN S., KAYA F., GÜNGÖR A., SAYAR A., KAVAK A., ŞAHİN S.
2014 ELEKTRİK - ELEKTRONİK, BİLGİSAYAR ve BİYOMEDİKAL MÜHENDİSLİĞİ SEMPOZYUMU, Turkey, 27 - 29
November 2014, pp.670-675
- XXII. **Fatih Projesinde Proxy Sunucunun Doğru Konumlandırıldığıının Kontrol Edilmesi ve Tabletlerinin Yerini Tespit için Bir Metot**
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2014 ELEKTRİK - ELEKTRONİK, BİLGİSAYAR ve BİYOMEDİKAL MÜHENDİSLİĞİ SEMPOZYUMU, Turkey, 27 - 29
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- XXIII. **Bulut Vekil Sunucu ve Tabletler Arasında Veri Senkronizasyonu için RTT Kullanarak Farklı Kümeleme Metotlarının Değerlendirilmesi**
EKEN S., KAYA F., Güngör A., SAYAR A., KAVAK A.
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- XXIV. **A Method for Verifying Accurate Deployment of a Proxy Server and Localization of Tablets in Fatih Project**
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- XXV. **Fatih Projesinde Proxy Sunucunun Doğru Konumlandırıldığıının Kontrol Edilmesi ve Tabletlerinin Yerini Tespit için Bir Metot**
EKEN S., KAYA F., Kerem Ç., SAYAR A., KAVAK A., ŞAHİN S.
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- XXVI. **Evaluation of RTT based Clustering Methods for Data Synchronization between Proxy Cloud Servers and Tablets**
EKEN S., KAYA F., GÜNGÖR A., SAYAR A., KAVAK A., ŞAHİN S.
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November 2014, pp.670-675
- XXVII. **Capcha Karakterlerinin Yapay Sinir Ağları Kullanılarak Karşılaştırılması**
EKEN S., KAYA F., SAYAR A., KAVAK A.
7. Mühendislik ve Teknoloji Sempozyumu, Cankaya Üniversitesi, Ankara, Turkey, 15 - 16 May 2014, pp.7-11
- XXVIII. **Döküman Tabanlı NoSQL Veritabanları MongoDB ve CouchDB yatay ölçeklenebilirlik karşılaştırması**
EKEN S., KAYA F., SAYAR A., KAVAK A.
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- XXIX. **Doküman Tabanlı NoSQL Veritabanları: MongoDB ve CouchDB yatay ölçeklenebilirlik karşılaştırması**
EKEN S., KAYA F., SAYAR A., KAVAK A.
7. Mühendislik ve Teknoloji Sempozyumu, Turkey, 15 May 2014
- XXX. **Tracking a single node's availability for communication by means of observing local system resources**
EKEN S., KAYA F., SAYAR A., KAVAK A.
IEEE International Symposium on Innovations in Intelligent Systems and Applications (INISTA), Alberobello, Italy,
23 - 25 June 2014, pp.41-45
- XXXI. **A Comparative Study of Signaling Protocols for Data Management and Synchronization in Fatih Project with School Level Cloud Proxy Server Deployment**
Kaya F., EKEN S., İlhan Z., KAVAK A., SAYAR A., Kocasarac U., ŞAHİN S.
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