

Prof. ADNAN KAVAK

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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

Associate Professor, The University of Texas at Austin, School of Engineering, Electrical and Computer Engineering, 2008 - 2009

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

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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 TRANSACTIONS ON ELECTRICAL AND ELECTRONIC ENGINEERING, vol.14, no.5, pp.658-669, 2019 (SCI-Expanded)
- VI. **Adaptive Polling Medium Access Control Protocol for Optic Wireless Networks**
Msongaleli D. L., Küçük K., Kavak A.
APPLIED SCIENCES-BASEL, no.6, 2019 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)

- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)

- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- XXX. **Evaluation of smart antenna algorithms for cdma2000 reverse link**
Karakoc M., Kavak A.
NETWORKING 2004, vol.3042, pp.1360-1365, 2004 (SCI-Expanded)
- 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 (SCI-Expanded)
- XXXII. **Autoregressive and neural network model based predictions for downlink beamforming**
YİĞİT H., Kavak A., Ertunc M.
ADVANCES IN NEURAL NETWORKS - ISSN 2004, PT 2, vol.3174, pp.254-261, 2004 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- XXXVI. **Using GPS to measure ground complex permittivity**
Kavak A., Vogel W., Xu G.
ELECTRONICS LETTERS, vol.34, no.3, pp.254-255, 1998 (SCI-Expanded)

Articles Published in Other Journals

- I. **Review of Artificial Intelligence Based Beam Tracking Techniques for mmWave 5G and Beyond Networks**
Hakim N., Kavak A., Yiğit H.
International Journal of Emerging Trends in Engineering Research, vol.11, no.5, pp.159-167, 2023 (Peer-Reviewed Journal)
- II. **A Data Transmission Scheme Using K-Means and Fuzzy Logic for IOT Sensor Based Forest Fire Detection System**
Sadeq A. A., KAVAK A., Khan S. A.
International Journal of Emerging Trends in Engineering Research, vol.10, no.10, pp.420-423, 2022 (Peer-

Reviewed Journal)

- III. **Machine Learning Based Polyneuropathy Diagnosis Using Electromyogram Data**
Tanık N., KAVAK A.
Artificial Intelligence Theory and Applications, vol.1, no.2, pp.148-155, 2021 (Peer-Reviewed Journal)
- IV. **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 (Peer-Reviewed Journal)
- V. **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 (Peer-Reviewed Journal)
- VI. **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 (Peer-Reviewed Journal)
- VII. **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 (Peer-Reviewed Journal)
- VIII. **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 (Peer-Reviewed Journal)
- IX. **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 (ESCI)
- X. **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 (Peer-Reviewed Journal)
- XI. **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 (Peer-Reviewed Journal)
- XII. **Beacon Temelli Sanal Etiket Uygulaması**
KAYA F., GÖZ F., Şahin E., Albayrak M. S., KAVAK A.
BİLEÇİK ŞEYH EDEBALI ÜNİVERSİTESİ FEN BİLİMLERİ DERGİSİ, vol.3, pp.1-7, 2016 (Peer-Reviewed Journal)
- XIII. **Üçüncü Nesil CDMA Sistemler İçin Yeni Bir Akıllı Anten Algoritması Gerçekleştirilmesi ve Performans Analizi**
Küçük K., Mustafa K., Kavak A., Yiğit H.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.21, no.4, pp.801-808, 2006 (Scopus)
- XIV. **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 (Scopus)
- XV. **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 (Peer-Reviewed Journal)
- XVI. **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 (Peer-Reviewed Journal)

XVII. **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 (Peer-Reviewed Journal)

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. **A Study on Slice-Aware Industrial Edge Applications for Next-Generation Private Networks**
Çubukçu A., Çubukçu Ö., Sabucu Sandal Y., Kavak A., Küçük K.
4th International Informatics and Software Engineering Conference, Ankara, Turkey, 21 December 2023
- II. **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.
1st International Informatics and Software Engineering Conference, 6 - 07 November 2019
- III. **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
- IV. **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
- V. **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
- VI. **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

- VII. **A new fractional frequency reuse method for interference management in LTE-A HetNets**
Khan S. A., Kavak A., Küçük K., Ashad M.
27th Signal Processing and Communications Applications Conference, SIU 2019, Sivas, Turkey, 24 - 26 April 2019
- VIII. **Tarım Arazisinde Dikili Fidanların Gelisim ve Verimlilik Takibi için 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
- IX. **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
- X. **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
- XI. **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
- XII. **A novel signaling protocol (ARCSPXP): Case study on synchronization of educational data**
EKEN S., Gülağz 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
- XIII. **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
- XIV. **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
- XV. **TRANSMIT POWER CONTROL TPC ALGORITHM FOR LTE A FEMTOCELL NETWORKS**
Khan S. A., KAVAK A., Ashad M., KAYA F.
3rd International Conference on Advanced Technology & Sciences, Konya, Turkey, 1 - 03 September 2016
- XVI. **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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- XVII. **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.
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- XVIII. **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), Lisbon, Portugal, 13 - 14 November 2014, pp.180-190
- XIX. **A Cluster Based Routing Approach in LTE Ad-hoc Networks**
Karahana A., KAVAK A., Atmaca S.
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United Arab Emirates, 17 - 19 May 2015, pp.250-253

- XX. **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
- XXI. **Bulut Vekil Sunucu ve Tabletler Arasında Veri Senkronizasyonu için RTT Kullanarak Farklı Kümeleme Metotlarının Değerlendirilmesi**
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Elektrik, Elektronik, Bilgisayar ve Biyomedikal Mühendisliği Sempozyumu, Turkey, 27 - 29 November 2014
- XXII. **Fatih Projesinde Proxy Sunucunun Doğru Konumlandırıldığının Kontrol Edilmesi ve Tabletlerinin Yerini Tespit için Bir Metot**
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2014 ELEKTRİK - ELEKTRONİK, BİLGİSAYAR ve BİYOMEDİKAL MÜHENDİSLİĞİ SEMPOZYUMU, Turkey, 27 - 29 November 2014, pp.748-752
- XXIII. **Bulut Vekil Sunucu ve Tabletler Arasında Veri Senkronizasyonu için RTT Kullanarak Farklı Kümeleme Metodlarının Değerlendirilmesi**
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2014 ELEKTRİK - ELEKTRONİK, BİLGİSAYAR ve BİYOMEDİKAL MÜHENDİSLİĞİ SEMPOZYUMU, Turkey, 27 - 29 November 2014, pp.670-675
- XXIV. **Bulut Vekil Sunucu ve Tabletler Arasında Veri Senkronizasyonu için RTT Kullanarak Farklı Kümeleme Metotlarının Değerlendirilmesi**
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ELECO 2014, Turkey, 27 - 29 November 2014
- XXV. **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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- XXVI. **A Method for Verifying Accurate Deployment of a Proxy Server and Localization of Tablets in Fatih Project**
EKEN S., KAYA F., GÜNGÖR A., SAYAR A., KAVAK A., ŞAHİN S.
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- XXVII. **Fatih Projesinde Proxy Sunucunun Doğru Konumlandırıldığının 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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- XXVIII. **Döküman Tabanlı NoSQL Veritabanları MongoDB ve CouchDB yatay ölçeklenebilirlik karşılaştırması**
EKEN S., KAYA F., SAYAR A., KAVAK A.
7. Mühendislik ve Teknoloji Sempozyumu, Cankaya Üniversitesi, Ankara, Turkey, 15 - 16 May 2014, pp.61-67
- XXIX. **Capcha Karakterlerinin Yapay Sinir Ağları Kullanılarak Karşılaştırılması**
EKEN S., KAYA F., SAYAR A., KAVAK A.
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Non Academic Experience

Koaceli Üniversitesi

Kocaeli Üniversitesi

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Kocaeli Üniversitesi

Samsung Telecommunications America

The University of Texas at Austin

PTT Uydu Haberleşme Merkezi