Prof. KEREM KÜÇÜK

Personal Information

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ScopusID: 15126996200
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Biography

Kerem KüçüK received the B.S., M.S., and Ph.D. degrees from the Electronics and Computer Education Department, Kocaeli University, Kocaeli, Turkey. He is head of Software Engineering Department where he is currently a Professor. He was a Guest Researcher and a Visiting Scholar with the Pervasive Systems Group, Twente University, Twente, Netherlands, and the Wireless Information Systems Laboratory, the University of Texas at Dallas, TX, respectively. His research interests include the Internet of Things, vehicular networks, computer and wireless networks, ultrawideband systems, embedded systems, real-time signal processing, and LTE-A systems.

Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı, Turkey 2005 - 2010
Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı, Turkey 2002 - 2005
Undergraduate, Kocaeli University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, Turkey 1997 - 2002

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Akıllı anten sistemi kullanan kablosuz algılayıcı ağlarda bağlantı analizi ve konum belirleme algoritması, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı, 2010
Postgraduate, CDMA2000 yukarı bağlantı kanalı için akıllı anten algoritmalarının dijital sinyal işlemciler üzerinde yazılım radyo ile gerçekleştirilmesi, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı, 2005

Research Areas

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

Academic Titles / Tasks

Professor, Kocaeli University, Mühendislik Fakültesi, Yazılım Mühendisliği, 2021 - Continues
Associate Professor, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2015 - 2021
Associate Professor, Kocaeli University, Gazanfer Bilge Meslek Yüksekokulu, Büro Hizmetleri ve Sekreterlik, 2014 - 2015
Assistant Professor, Kocaeli University, Gazanfer Bilge Meslek Yüksekokulu, Büro Hizmetleri ve Sekreterlik, 2010 - 2014
Research Assistant, Kocaeli University, Teknik Eğitim Fakültesi, Elektronik ve Bilgisayar Eğitimi, 2002 - 2010

Academic and Administrative Experience

Kurumsal Araştırma Geliştirme Koordinatörü, Kocaeli University, REKTÖRLÜK, REKTÖRLÜK, 2023 - Continues
Head of Department, Kocaeli University, Mühendislik Fakültesi, 2021 - Continues
Member of IT Commission, Kocaeli University, REKTÖRLÜK, REKTÖRLÜK, 2019 - Continues
Rectorate Commissioner, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2019 - Continues
Enstitü Yönetim Kurulu Üyesi, Kocaeli University, Fen Bilimleri Enstitüsü, 2019 - Continues
Deputy Director of Continuing Education Center, Kocaeli University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2021 - 2022
Head of Department, Kocaeli University, Bilgisayar Mühendisliği Bölümü, 2015 - 2021
University Executive Board Member, Kocaeli University, Gazanfer Bilge Meslek Yüksekokulu, 2012 - 2017
Head of Informatics Commission, Kocaeli University, REKTÖRLÜK, 2015 - 2016
Kocaeli Üniversitesi, Sürekli Eğitim Araştırma Ve Uygulama Merkezi (Koüsem), 2015 - 2015
Kocaeli Üniversitesi, Gazanfer Bilge Meslek Yüksekokulu, Muhasebe Ve Vergi Bölümü, 2014 - 2015
Kocaeli Üniversitesi, Gazanfer Bilge Meslek Yüksekokulu, Büro Hizmetleri Ve Sekreterlik Bölümü, 2010 - 2015

Courses

Sayısal Veri İletişimi, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Nesnelerin İnterneti, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018
Sayısal Veri İletişimi, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Bilgisayar Ağlarında İleri Konular, Doctorate, 2019 - 2020
Nesnelerin İnterneti, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018
Mantıksal Tasarım ve Uygulamaları, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Kablosıuz Haberleşme ve Gezgin Sistemler, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Mantıksal Tasarım ve Uygulamaları, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Bilgisayar Mimarisi ve Organizasyonu, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016
Bilgisayar Ağları ve Haberleşmesi, Postgraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016
Bilgisayar Organizasyonu ve Mimarisi, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016

Advising Theses

Küçük K., Nesnelerin interneti teknolojilerinde farklı haberleşme senaryolarının DDS-XRCE standardı için performansının belirlenmesi, Postgraduate, Ş.ŞOLPAN(Student), 2023
Küçük K., Nesnelerin internetinde tehditleri algılamak ve saldırıları önlemek için makine öğrenmesi tabanlı yeni bir

yöntem geliştirilmesi ve Cooja ile benzetimi, Postgraduate, A.HAMID(Student), 2022
Küçük K., Endüstriyel Nesnelerin İnterneti Bulut Uygulamaları İçin Düşük Maliyetli Modbus/Mqtt Ağ Geçidi Tasarımı Ve Gerçekleştirilmesi, Postgraduate, H.ERDOĞAN(Student), 2022
Küçük K., Activity Recognition for Ambient Sensing Data and Rule Based Anomaly Detection, Postgraduate, E.SEYEDKAZEMI(Student), 2022
Küçük K., MAKİNE VE DERİN ÖĞRENME YÖNTEMLERİ İLE NESNELERİN İNTERNETİ İÇİN SALDIRI TESPİTİNİN KARŞILAŞTIRILMASI, Postgraduate, S.AMAROUCHE(Student), 2021
Küçük K., DENİZ ARAÇLARI İÇİN NESNELERİN İNTERNETİTEKNOLOJİLERİ TEMELLİ ŞARJ KONTROL SİSTEMİTASARLANMASI, Postgraduate, Y.USTAOĞLU(Student), 2021
Küçük K., BİRLEŞTİRİLMİŞ VLC-IR VE VLC-RF KABLOSUZ AĞLARI İÇİN ORTAMERİŞİM KONTROL PROTOKOLÜ TASARIMI, Doctorate, D.LADISLAUS(Student), 2019
Küçük K., Makine öğrenmesi yöntemleri ile insan aktivite tespit sistemi tasarımı, Postgraduate, K.KIVANÇ(Student), 2019
Küçük K., Nesnelerin interneti uygulamalarının cupcarbon ile benzetimi: Akıllı şehir örnekleri, Postgraduate, M.AKKURT(Student), 2019
Küçük K., Konum tespitinde yol kaybı modellerinin performans analizi, Postgraduate, K.NİLGÜN(Student), 2018

Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, February, 2021
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, February, 2021
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, February, 2021
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Yalova Üniversitesi, February, 2021
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, February, 2021
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Yalova Üniversitesi, February, 2021
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, February, 2021
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kocaeli Üniversitesi, January, 2021
Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, September, 2020
Academic Staff Examination, Academic Staff Examination, Kocaeli Üniversitesi, September, 2020
Doctorate, Doctorate, Kocaeli Üniversitesi, September, 2020
Post Graduate, Post Graduate, Kocaeli Üniversitesi, July, 2020
Post Graduate, Post Graduate, Kocaeli Üniversitesi, January, 2020
Academic Staff Examination, Academic Staff Examination, Kocaeli Üniversitesi, January, 2020
Post Graduate, Post Graduate, Kocaeli Üniversitesi, January, 2020
Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, January, 2020
Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, December, 2019
Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, December, 2019
Doctorate, Doctorate, Kocaeli Üniversitesi, November, 2019
Doctorate, Doctorate, Kocaeli Üniversitesi, July, 2019
Academic Staff Examination, Academic Staff Examination, Kocaeli Üniversitesi, July, 2019
Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, June, 2019
Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, May, 2019
Doctorate, Doctorate, Kocaeli Üniversitesi, May, 2019
Post Graduate, Post Graduate, Sakarya Üniversitesi, May, 2019

Post Graduate, Post Graduate, Sakarya Üniversitesi, May, 2019
Post Graduate, Post Graduate, Kocaeli Üniversitesi, April, 2019
Doctorate, Doctorate, Kocaeli Üniversitesi, March, 2019
Post Graduate, Post Graduate, Kocaeli Üniversitesi, February, 2019
Post Graduate, Post Graduate, Kocaeli Üniversitesi, January, 2019
Post Graduate, Post Graduate, Kocaeli Üniversitesi, January, 2019
Post Graduate, Post Graduate, Kocaeli Üniversitesi, January, 2019
Doctorate, Doctorate, Sakarya Üniversitesi, October, 2018
Doctoral Examination, Doctoral Examination, Sakarya Üniversitesi, October, 2018
Post Graduate, Post Graduate, Kocaeli Üniversitesi, July, 2018
Post Graduate, Post Graduate, Düzce Üniversitesi, June, 2018
Post Graduate, Post Graduate, Kocaeli Üniversitesi, June, 2018
Post Graduate, Post Graduate, Kocaeli Üniversitesi, June, 2018
Post Graduate, Post Graduate, Düzce Üniversitesi, June, 2018
Doctorate, Doctorate, Sakarya Üniversitesi, January, 2018
Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, January, 2018
Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, December, 2017
Post Graduate, Post Graduate, Kocaeli Üniversitesi, December, 2017
Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, June, 2017
Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, June, 2017
Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, January, 2017
Doctorate, Doctorate, Sakarya Üniversitesi, October, 2016
Post Graduate, Post Graduate, Kocaeli Üniversitesi, June, 2016
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Kocaeli Üniversitesi, September, 2015
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Kocaeli Üniversitesi, September, 2015
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Sakarya Üniversitesi, January, 2015
Doctoral Examination, Doctoral Examination, Sakarya Üniversitesi, November, 2013

Designed Lessons

Küçük K., Nesnelerin İnterneti, Undergraduate, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Advanced Optimized Anomaly Detection System for IoT Cyberattacks Using Artificial Intelligence**
Farea A. H., Alhazmi O. H., Kucuk K.
COMPUTERS, MATERIALS AND CONTINUA, pp.1-21, 2024 (SCI-Expanded)

II. **A survey on communication protocols and performance evaluations for Internet of Things**
Bayılmış C., Ebleme M. A., Çavuşoğlu Ü., Küçük K., Sevin A.
Digital Communications and Networks, vol.8, no.6, pp.1094-1104, 2022 (SCI-Expanded)

III. **A Novel Approach to D2D Discovery in PSN for Post-Disaster: Throughput Based Discovery Algorithm (TDA)**
Marttin V., Yüzgeç U., Bayılmış C., Küçük K.
WIRELESS PERSONAL COMMUNICATIONS, vol.119, no.4, pp.3339-3363, 2021 (SCI-Expanded)

IV. **Designing real-time IoT system course: Prototyping with cloud platforms, laboratory experiments and term project**

Küçük K., Bayilmis C., Msongaleli D. L.
International Journal of Electrical Engineering and Education, vol.58, no.3, pp.743-772, 2021 (SCI-Expanded)

V. **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)

VI. **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)

VII. **Crowd sensing aware disaster framework design with IoT technologies**
Küçük K., Bayilmis C., Sonmez A. F., Kacar S.
JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING, vol.11, pp.1709-1725, 2020 (SCI-Expanded)

VIII. **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)

IX. **Optimal resource utilisation algorithm for visible light communication-based vehicular ad-hoc networks**
Msongaleli D. L., Küçük K.
IET INTELLIGENT TRANSPORT SYSTEMS, vol.14, no.2, pp.65-72, 2020 (SCI-Expanded)

X. **2.4 GHz Real-Time Prototyping Tool for OFDM Channel Estimation using USRP2 and LabVIEW**
Küçük K.
Journal of Circuits, Systems and Computers, vol.28, no.14, 2019 (SCI-Expanded)

XI. **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.
IEEJ TRANSACTIONS ON ELECTRICAL AND ELECTRONIC ENGINEERING, vol.14, no.5, pp.658-669, 2019 (SCI-Expanded)

XII. **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)

XIII. **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)

XIV. **RTWiFi-Lab: A real-time Wi-Fi laboratory platform on USRP and LabVIEW for wireless communications education and research**
KÜÇÜK K.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.26, no.1, pp.111-124, 2018 (SCI-Expanded)

XV. **Smarttag: An Indoor Positioning System Based on Smart Transmit Power Scheme Using Active Tags**
ŞAHİN S., ÖZCAN H., KÜÇÜK K.
IEEE ACCESS, vol.6, pp.23500-23510, 2018 (SCI-Expanded)

XVI. **Horizontal dilution of precision-based ultra-wideband positioning technique for indoor environments**
Kucuk K.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.22, no.5, pp.1307-1322, 2014 (SCI-Expanded)

XVII. **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)

XVIII. **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)

XIX. **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)

XX. **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)

XXI. **Digital signal processor against field programmable gate array implementations of space-code correlator beamformer for smart antennas**
Dikmese S., Kavak A., Küçük K., Şahin S., Tangel A., Dıncer H.
IET MICROWAVES ANTENNAS & PROPAGATION, vol.4, pp.593-599, 2010 (SCI-Expanded)

XXII. **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)

XXIII. **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)

XXIV. **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)

Articles Published in Other Journals

I. **Machine Learning-based Intrusion Detection Technique for IoT: Simulation with Cooja**
Farea A. H., KÜÇÜK K.
International Journal of Computer Network and Information Security, vol.16, no.1, pp.1-23, 2024 (Scopus)

II. **MACHINE AND DEEP LEARNING-BASED INTRUSION DETECTION AND COMPARISON IN INTERNET OF THINGS**
AMAROUCHE S., KÜÇÜK K.
Journal of Naval Sciences and Engineering, vol.18, no.2, pp.333-361, 2022 (Peer-Reviewed Journal)

III. **DDS-XRCE Standard Performance Evaluation of Different Communication Scenarios in IoT Technologies**
Şolpan Ş., Küçük K.
EAI ENDORSED TRANSACTIONS ON INTERNET OF THINGS, vol.8, pp.1-15, 2022 (Peer-Reviewed Journal)

IV. **Detections of IoT Attacks via Machine Learning-Based Approaches with Cooja**
Farea A. H., Küçük K.
EAI ENDORSED TRANSACTIONS ON INTERNET OF THINGS, vol.7, no.28, pp.1-12, 2022 (Peer-Reviewed Journal)

V. **Enhancement Trust Management in IoT to Detect ON-OFF Attacks with Cooja**
Farea A. A., KÜÇÜK K.
International Journal of Multidisciplinary Studies and Innovative Technologies, vol.5, no.2, pp.123-128, 2021 (Peer-Reviewed Journal)

VI. **Dijital Kütüphanelerde Dokümanlardan Bilgi Geri Kazanımı için Kullanılan Güncel Teknolojiler: Derleme Çalışması**
Mutlu A., Abdisamad M. A., Kabasakal O., Göz F., Tüfekçi Ö., Küçük K.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.9, no.1, pp.79-90, 2021 (Peer-Reviewed Journal)

VII. **Endüstriyel IoT Bulut Uygulamaları için Düşük MaliyetliModbus/MQTT Ağ Geçidi Tasarımı ve**

Gerçekleştirilmesi
Erdoğan H., Küçük K., Khan S. A.
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.7, no.1, pp.170-183, 2020 (Peer-Reviewed Journal)

VIII. **CoAP and Its Performance Evaluation**
Ebleme M. A., Bayılmış C., Çavuşoğlu Ü., Küçük K.
Sakarya University Journal of Science, vol.24, no.1, pp.78-85, 2020 (Peer-Reviewed Journal)

IX. **MIMO Sistemlerde Alamouti Uzay Zaman Blok Kodlamanın Weibull Sönümleme Kanalı Üzerindeki Performans Analizi**
Çakır A. C., Yiğit H., Küçük K.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.7, pp.2010-2018, 2019 (Peer-Reviewed Journal)

X. **IoT Teknolojilerini Kullanan Afet Sonrası Yönetim Sistemi**
Küçük K., Bayılmış C., Sönmez A. F., Kaçar S.
Akademik Platform Mühendislik ve Fen Bilimleri Dergisi, vol.7, pp.124-131, 2019 (Peer-Reviewed Journal)

XI. **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)

XII. **Nesnelerin İnterneti Teknolojileri ile Gerçek Zamanlı Okul Servisi ve Öğrenci Takip Sistemi Tasarımı**
ÇELİK b., KÜÇÜK K., BAYILMIŞ C.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.6, pp.1211-1223, 2018 (Peer-Reviewed Journal)

XIII. **Simulation of Indoor Positioning System Based on Radio Frequency**
Özcan H., Altuncu M. A., Küçük K., Şahin S.
IOSR Journal of Computer Engineering, vol.19, pp.13-18, 2017 (Peer-Reviewed Journal)

XIV. **Channel Capacity Analysis of Multiple Antenna Systems for Next Generation Wireless Communications Systems**
DHUHEIR m., ASSHAD M., KÜÇÜK K.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.5, pp.429-440, 2017 (Peer-Reviewed Journal)

XV. **Geniş bant konum belirleme sistemi performans analizi ve iyileştirilmesi**
KÜÇÜK K.
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.21, no.1, pp.26-33, 2017 (Peer-Reviewed Journal)

XVI. **Geniş Bant Konum Belirleme Sistemi Performans Analizi ve İyileştirilmesi**
Küçük K.
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.21, pp.26, 2017 (Peer-Reviewed Journal)

XVII. **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)

XVIII. **Implementation and performance analysis of a novel smart antenna algorithm for 3G CDMA systems,Üçüncü nesil CDMA sistemler için yeni bir akilli anten algoritmasi gerçekleştirilmesi ve performans analizi**
Küçük K., Karakoc M., Kavak A., Yigit H.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.21, pp.801-808, 2006 (Scopus)

XIX. **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. **Nesnelerin İnternet'i IoT, İş Modeline Etkisi, Büyük Veri, Bulut Bilişim**

Bayılmış C., Küçük K.
in: Yapay Zeka Dijital Sistemler ve Uygulamaları, Kubat Cemalettin, Editor, Papatya Yayıncılık, İstanbul, pp.100-120, 2021

II. **Nesnelerin İnternet'i: Teori ve Uygulamaları**
Bayılmış C., Küçük K.
Papatya Yayıncılık, İstanbul, 2019

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. **Improving Intrusion Detection Systems for IoT Devices using Automated Feature Generation based on ToN_IoT dataset**
Eren K. K., Küçük K.
2023 8th International Conference on Computer Science and Engineering (UBMK), Burdur, Turkey, 05 September 2023, pp.276-281

III. **Learning to Rank for Text Summarization: Revisiting the Features and Methods for Turkish Bank Documents**
GÖZ F., Şener F., MUTLU A., KÜÇÜK K., Temur M.
2021 International Conference on INnovations in Intelligent SysTems and Applications (INISTA), Kocaeli, Turkey, 25 - 27 August 2021

IV. **Türkçe Metinlerden Anahtar Kelime Çıkarma için Merkezilik Ölçütlerinin İncelenmesi**
GÖZ F., MUTLU A., KÜÇÜK K., Temur M., GÜN A.
29. IEEE SİNYAL İŞLEME VE İLETİŞİM UYGULAMALARI KURULTAYI, İstanbul, Turkey, 09 June 2021

V. **Comparison of Classical ML with DL Methods for Network Intrusion Detection in IoT**
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Mobility Activity

Post Doc, Post Doc, University of Texas at Dallas, United States Of America, 2011 - 2012

Metrics

Publication: 116
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Küçük K., Tübitak Yayın Teşvik Ödülü (UBYT), Tübitak, August 2013
Küçük K., Tübitak Yayın Teşvik Ödülü (UBYT), Tübitak, November 2011
Küçük K., The Excellence in Signal Processing Award (ESPA), Texas Instruments, July 2006

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