

Prof. ALİ BULDU

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAA-4735-2019

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Education Information

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Bilgisayar-Kontrol Eğitimi (YI) (Tezli), Turkey 1996 - 2003

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Bilgisayar-Kontrol Eğitimi (YI) (Tezli), Turkey 1994 - 1996

Undergraduate, Marmara University, Faculty of Technical Education, Electronic and Computer Education, Turkey 1988 - 1993

Dissertations

Doctorate, Mikrodenetleyicili USB eğitim sistemi, Marmara Üniversitesi, Institute for Graduate Studies in Pure and Applied Sciences, Bilgisayar-Kontrol Eğitimi (YI) (Tezli), 2003

Postgraduate, Kavşak kontrol cihazı yazılımı, Marmara Üniversitesi, Institute for Graduate Studies in Pure and Applied Sciences, Bilgisayar-Kontrol Eğitimi (YI) (Tezli), 1996

Research Areas

Information Systems, Communication and Control Engineering, Computer Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Marmara University, Faculty of Technology, Computer Engineering, 2019 - Continues

Academic and Administrative Experience

Marmara University, Faculty of Technology, Computer Engineering, 2018 - Continues

Marmara University, Faculty of Technology, Computer Engineering, 2017 - Continues

Marmara University, Faculty of Technology, Computer Engineering, 2012 - 2018

Supervised Theses

BULDU A., Çağrı merkezi performans analizi ve çağrı sayılarının mevsimsel tahminlemesi, Postgraduate, M.Tezuran(Student), 2019

BULDU A., Konuşma tanıma teknolojisi kullanılarak devre tasarım ve analizi, Doctorate, A.YAYLA(Student), 2018

BULDU A., Yol aydınlatma M2 ve M3 sınıfı için yüksek verimlilikli LLC resonant sürücü, Postgraduate, C.TARHAN(Student), 2018

BULDU A., Gömülü sistem tabanlı, kriptolu TCP/IP veri haberleşmesi uygulaması, Postgraduate, S.AKKUŞ(Student), 2016

BULDU A., NFC (Yakın Alan Haberleşmesi) i- le mobil veri yapıları uygulamaları, Postgraduate, H.ARISAN(Student), 2015

BULDU A., NFC (yakın alan haberleşmesi) ile mobil veri yapıları uygulamaları, H.Arısan(Student), 2015

BULDU A., Kumaş hatalarının ısı görüntüleme ve görüntü işleme teknikleri ile tespit edilmesi, Doctorate, K.YILDIZ(Student), 2014

DOĞAN B., BULDU A., Müşteri ilişkileri yönetimi için veri madenciliği kullanılması ve sigortacılık sektörü üzerine bir uygulama, Postgraduate, B.EROL(Student), 2013

BULDU A., Kanşekeri ölçüm cihazlarından veri toplanması ve analizi, Postgraduate, U.KURGAN(Student), 2013

BULDU A., Bilgisayar tabanlı bilişim suçlarının adli bilişim çerçevesinde incelenmesi ve analizi, Postgraduate, İ.MELİH(Student), 2013

BULDU A., Bulanık Mantık Yöntemi İle Ortak Sınav Otomasyon Programı (Karma), Postgraduate, M.TOPAL(Student), 2013

BULDU A., Ses komut tanıma ile gezgin araç kontrolü, Postgraduate, M.ÇELEBİ(Student), 2012

BULDU A., Görüntü işlemeye dayalı avuç içi izinin yapay sinir ağı ile tanınması, Postgraduate, E.ÇELİK(Student), 2011

BULDU A., Dijital imza uygulamasının eliptik eğri şifreleme yöntemi kullanılarak gerçekleştirilmesi, Postgraduate, H.SARITAŞ(Student), 2010

BULDU A., IPv6 adresleme sisteminin genel yapısı ve güvenlik yeniliklerinin incelenmesi, Postgraduate, E.DURDAĞI(Student), 2010

BULDU A., IPv6 adresleme sisteminin genel yapısı ve güvenlik yeniliklerinin incelenmesi, Postgraduate, E.Durdağı(Student), 2010

BULDU A., Orta öğretim okulları için öğrenci otomasyonu tasarımı ve öğrenci verileri üzerine veri madenciliği uygulamaları, Postgraduate, K.ÜÇGÜN(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Addressing the Return Visit Challenge in Autonomous Flying Ad Hoc Networks Linked to a Central Station**
ERKALKAN E., TOPUZ V., BULDU A.
Sensors, vol.24, no.23, 2024 (SCI-Expanded)
- II. **Development of a remote laboratory for an electronic circuit design and analysis course with increased accessibility by using speech recognition technology**
Yayla A., Korkmaz H., Buldu A., Sarıkas A.
Computer Applications in Engineering Education, vol.29, pp.897-910, 2021 (SCI-Expanded)
- III. **Detection of DDoS attacks with feed forward based deep neural network model**
Cil A. E., YILDIZ K., BULDU A.
Expert Systems with Applications, vol.169, 2021 (SCI-Expanded)
- IV. **Internet of Things (IoTs) Security: Intrusion Detection using Deep Learning**
Sahingoz O. K., Cekmez U., BULDU A.
JOURNAL OF WEB ENGINEERING, vol.20, no.6, pp.1721-1760, 2021 (SCI-Expanded)
- V. **Elliptic curve coding technique application for digital signature**
YILDIZ K., BULDU A., Saritas H.
SECURITY AND COMMUNICATION NETWORKS, vol.9, no.17, pp.4242-4254, 2016 (SCI-Expanded)
- VI. **A Circuit Design by Using an Infrared Sensor Transmitter and Pic16f628 to Measure the Pulse Rate of the Driver**
BULDU A., YILDIZ K.

- MEASUREMENT & CONTROL, vol.49, no.6, pp.191-196, 2016 (SCI-Expanded)
- VII. **A thermal-based defect classification method in textile fabrics with K-nearest neighbor algorithm**
YILDIZ K., BULDU A., Demetgul M.
JOURNAL OF INDUSTRIAL TEXTILES, vol.45, no.5, pp.780-795, 2016 (SCI-Expanded)
- VIII. **A novel thermal-based fabric defect detection technique**
YILDIZ K., BULDU A., Demetgul M., YILDIZ Z.
JOURNAL OF THE TEXTILE INSTITUTE, vol.106, no.3, pp.275-283, 2015 (SCI-Expanded)
- IX. **A NOVEL THERMAL BASE FABRİC DEFECT DETECTION TECHNIQUE**
BULDU A., DEMETGÜL M., YILDIZ K., YILDIZ Z.
Journal Of The Textile Institute, vol.106, pp.275-283, 2015 (SCI-Expanded)
- X. **Developing a Security Software for Android-based Systems ("Secand")**
Karaduman O. C., Kaygisiz S., BULDU A., YILDIZ K., Cetinol D.
ANTHROPOLOGIST, vol.17, no.1, pp.37-43, 2014 (SCI-Expanded)
- XI. **A novel SMS application with GSM control on numerator systems**
SARIKAŞ A., Eksi Z., Yucelbas C., BULDU A.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.22, no.1, pp.97-105, 2014 (SCI-Expanded)
- XII. **A Novel SMS Application With GSM Control On Numarator Systems**
SARIKAŞ A., EKŞİ Z., YÜCELBAŞ C., BULDU A.
Turkish Journal Of Electrical Engineering And Computer Sciences, vol.22, pp.97-15, 2014 (SCI-Expanded)
- XIII. **Web-based real time temperature control system**
Buldu A.
TECHNICS TECHNOLOGIES EDUCATION MANAGEMENT-TTEM, vol.7, no.3, pp.1182-1186, 2012 (SCI-Expanded)
- XIV. **Obtaining The Relation Between The Courses By Using Data Mining Application**
BULDU A., Uçgun K.
TECHNICS TECHNOLOGIES EDUCATION MANAGEMENT-TTEM, vol.7, no.2, pp.532-538, 2012 (SCI-Expanded)
- XV. **Realtime parameter estimation, calibration and simulation of a DC motor**
ERDAL H., DOĞAN B., BULDU A.
TECHNICS TECHNOLOGIES EDUCATION MANAGEMENT-TTEM, vol.6, no.3, pp.606-614, 2011 (SCI-Expanded)
- XVI. **A USB Kit for Digital I/O Applications in a Digital Electronics Lab Designed by Using PIC16C765 Microcontroller**
BULDU A., KORKMAZ H.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.17, no.2, pp.131-138, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **An_Application_on_Technology_Dependence_with_C4**
KAÇMAZ A., YILDIZ K., BULDU A.
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.9, no.4, pp.1756-1765, 2020 (Peer-Reviewed Journal)
- II. **Sigortacılık Sektöründe Müşteri İlişki Yönetimi İçin Kümeleme Analizi.**
DOĞAN B., DEMİR Ö., BULDU A., EROL B.
Karaelmas Fen ve Mühendislik Dergisi, vol.8, pp.11-18, 2018 (Peer-Reviewed Journal)
- III. **Data collection from blood glucose meter and determination anomaly**
BULDU A., YILDIZ K., ÜLKÜ E. E., DEMİR Ö., KURGAN U.
Karaelmas Fen ve Mühendislik Dergisi, 2017 (Peer-Reviewed Journal)
- IV. **Wavelet transform and principal component analysis in fabric defect detection and classification**
YILDIZ K., BULDU A.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.23, no.5, pp.622-627, 2017 (ESCI)
- V. **KONUŞMA TANIMA TEKNOLOJİSİ KULLANILARAK DEVRE ANALİZİ UYGULAMA ARAYÜZÜ**

YAYLA A., KORKMAZ H., BULDU A.

Eğitim ve Öğretim Araştırmaları Dergisi, vol.5, pp.169-172, 2016 (Peer-Reviewed Journal)

- VI. **Konuşma Tanıma Teknolojisi Kullanarak Devre Analizi Uygulama Arayüzü**
YAYLA A., BULDU A., KORKMAZ H.
Journal of Research in Education and Teaching, vol.5, pp.169-176, 2016 (Peer-Reviewed Journal)
- VII. **Sigortacılık Sektöründe Müşteri İlişkileri Yönetimi İçin Birliktelik Kuralı Kullanılması**
DOĞAN B., Bahar E., BULDU A.
Marmara Üniversitesi Fen Bilimleri Dergisi, vol.26, 2014 (Peer-Reviewed Journal)
- VIII. **IPV4 IPV6 security and threat comparisons**
DURDAĞI E., BULDU A.
Procedia Social and Behavioral Science, vol.2, pp.5285-5291, 2010 (Peer-Reviewed Journal)
- IX. **Data mininig application on students data**
BULDU A., ÜÇGÜN K.
Procedia Social and Behavioral Sciences, vol.2, pp.5251-5259, 2010 (Peer-Reviewed Journal)

Books

- I. **Biomedical Applications with Artificial Intelligence Techniques**
ÇELİK E., BULDU A.
Lambert Academic Publishing, 2014

Papers Published in Refereed Scientific Meetings

- I. **Solving Container Loading Problem with Differential Evolution Algorithm**
Erkalkan E., Topuz V., Buldu A.
2020 Innovations in Intelligent Systems and Applications Conference (ASYU), İstanbul, Turkey, 15 October 2020, pp.1-4
- II. **Korelasyon ve Aykırılık Tespitinin Kestirimli Bakıma Etkisi**
ANIL E., YILDIZ K., BULDU A.
5. ULUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 21 - 22 December 2019
- III. **Network anomaly detection with deep learning**
ÇEKMEZ U., ERDEM Z., YAVUZ A. G., BULDU A., ŞAHİNGÖZ Ö. K.
2018 26th Signal Processing and Communications Applications Conference (SIU), 4 - 07 April 2018
- IV. **An Interactive Web-Based Circuit Design and Analysis Interface for Disabled Students by Using Speech Recognition Technology**
Yayla A., Korkmaz H., Buldu A.
8th IEEE Global Engineering Education Conference (EDUCON), Athens, Greece, 25 - 28 April 2017, pp.1676-1682
- V. **Konuşma Tanıma Teknolojisi Kullanarak Devre Analizi Uygulama Arayüzü**
YAYLA A., KORKMAZ H., BULDU A.
5th World Conference on Educational and Instructional Studies WCEIS - 2016, 27 - 29 October 2016, vol.5, pp.169-176
- VI. **Circuit Analysis Application Interface By Using Speech Recognition Technology**
YAYLA A., KORKMAZ H., BULDU A.
WCEIS 2016, 27 - 29 October 2016
- VII. **KONUŞMA TANIMA TEKNOLOJİSİ KULLANARAK DEVRE ANALİZİ UYGULAMA ARAYÜZÜ**
YAYLA A., KORKMAZ H., BULDU A.
5th World Congress on Educational and Instructional Studies, 27 - 29 October 2016
- VIII. **An Android Application for Teaching Android Operating System**
Acar A., Kubilay t., BULDU A., YILDIZ K., DEMİR Ö.

2nd International Conference on Electrical, Mechanical, computer and Mechatronics Engineering(ICE 2015), 27 - 28 August 2015

- IX. **An adroid application for teaching android operating system**
ACAR A., TASTUTAR K., BULDU A., YILDIZ K., DEMİR Ö.
2nd International Conference on Electrical, Computer, Mechanical and Mechatronics Engineering (ICE2015), 28 - 30 August 2015
- X. **Determination of Yarn Twist Using Image Processing Techniques International Conference on Image Processing**
YILDIZ K., DEMİR Ö., BULDU A., YILDIZ Z.
International Conference on Image Processing, Production and Computer Science (ICIPCS 2015), İstanbul, Turkey, 3 - 04 June 2015, vol.1
- XI. **Determination of Yarn Twist Using Image Processing Techniques**
YILDIZ K., YILDIZ Z., DEMİR Ö., BULDU A.
International Conference on Image Processing, Prodcution and Computer Science, İstanbul, Turkey, 3 - 04 June 2015, pp.83-88
- XII. **Web Server Security Scanner Application**
BULDU A., Muminoglu F., resat m., YILDIZ K., ŞENYÜREK V. Y.
1st International Conference on Engineering and Natural Sciences, Uskup, Macedonia, 16 - 19 May 2015
- XIII. **Fault Detection of Textile Fabrics with Thermal Base Image Processing**
YILDIZ K., BULDU A., DEMETGÜL M.
International Advanced Technologies Symposium, İstanbul, Turkey, 30 October - 01 November 2013
- XIV. **The Performance Effects of Memcached and JSON Technologies on Web Projects**
TANRIÖVER M., ÇETİN M., BULDU A., YILDIZ K.
3rd International Symposium on Computing in Science Engineering, Aydın, Turkey, 23 - 25 October 2013
- XV. **To Give an Object to Three Dimensional Movement Effect on A Route and Around Itself**
GÜNDÜZ S., VATANSEVER T., BULDU A., YILDIZ K.
3rd International Symposium on Computing in Science Engineering, Aydın, Turkey, 23 - 25 October 2013
- XVI. **The Design in Mobile and Web Platform of The Location Identification Applicaiton with GPS Signals and its Reporting Process**
ÖZGÖN İ., KONAK M., BULDU A., YILDIZ K.
3rd International Symposium on Computing in Science Engineering, Aydın, Turkey, 23 - 25 October 2013
- XVII. **Farklı Dosya Formatlarına Göre Sıkıştırma Teknikleri İle Verimlilik Analizi**
GEMİCİ İ., BULDU A., YILDIZ K., YENİDOĞAN A., YÜKRÜK O.
International Symposium on Innovative Technologies in Engineering And Science, Sakarya, Turkey, 7 - 09 June 2013
- XVIII. **Sosyal paylaşım ağlarında php ve mysql kullanarak etkileşimli arkadaş ekleme çıkarma yöntemi**
ASLAN F., BULDU A., YILDIZ K., ARSLAN S.
International Symposium on Innovative Technologies in Engineering And Science, 7 - 09 June 2013
- XIX. **E Learning Eğitim Sistemi ile Adobe Captivate Programından Yararlanılarak Bilgisayar Organizasyonu Eğitiminin Web Tabanlı Olarak Verilmesi**
ÇAM H., BÜLBÜL M. Z., BULDU A., YILDIZ K., SARP KAYA A. Ö.
International Symposium on Innovative Technologies in Engineering And Science, Sakarya, Turkey, 7 June - 09 July 2013
- XX. **İnternet Üzerinden Hasta Takibi Amaçlı PIC Mikrodenetleyici Tabanlı Kablosuz Pals-Oksimetre Ölçme Sistemi Tasarımı ve LabVIEW Uygulaması**
ERİŞ Ö., KORKMAZ H., BULDU A., TOKER K.
VII. Tıbbilişim Konferansı, Cyprus (Kktc), 21 - 23 October 2010
- XXI. **A Web-Based Controlled Greenhouse System and Monitoring The System's Data**
İLHAN H. O., ELÇİÇEK S., BULDU A., SAVAŞ K.
International Educational Technology Conference 2010 (IETC 2010), İstanbul, Turkey, 26 - 28 April 2010, vol.1, pp.90

XXII. Data mining application on students' data

BULDU A., Ucgun K.

2nd World Conference on Educational Sciences (WCES-2010), İstanbul, Turkey, 4 - 08 February 2010, vol.2, pp.5251-5259

XXIII. IPV4/IPV6 security and threat comparisons

Durdagi E., Buldu A.

2nd World Conference on Educational Sciences (WCES-2010), İstanbul, Turkey, 4 - 08 February 2010, vol.2, pp.5285-5291

Patent

BULDU A., TPE 2014/00933 Termal yolla kumaş hatalarının tespiti, Patent, CHAPTER D Textile; Paper, Standard Registration, 2017

Metrics

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