

## Asst. Prof. ADEM TEKEREK

### Personal Information

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### Education Information

Post Doctorate, Hacettepe University, Bilişim Enstitüsü, Bilgi Güvenliği A.B.D., Turkey 2018 - 2018

Doctorate, Gazi University, Bilişim Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı (Disiplinlerarası), Turkey 2010 - 2016

Post Graduate, Gazi University, Bilişim Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı (Disiplinlerarası), Turkey 2007 - 2010

Under Graduate, Gazi University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, Turkey 2002 - 2007

### Dissertations

Doctorate, Web tabanlı saldırı önleme amaçlı yeni bir gerçek zamanlı web uygulaması güvenlik duvarı algoritmasının gerçekleştirilmesi, Gazi University, Bilişim Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı (Disiplinlerarası), 2016

Post Graduate, Kurumsal yapılara yönelik web içerik yönetim sistemi geliştirilmesi, Gazi University, Bilişim Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı (Disiplinlerarası), 2010

### Research Areas

Computer Sciences, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Gazi University, Teknoloji Fakültesi, Bilgisayar Mühendisliği, 2021 - Continues

Lecturer, Gazi University, Rektörlük, 2018 - 2021

Expert, Gazi University, Rektörlük, 2009 - 2018

### Courses

OYUN PROGRAMLAMA, Under Graduate, 2020 - 2021

Database Management Systmes, Under Graduate, 2018 - 2019

NESNESEL TASARIM VE PROGRAMLAMA, Post Graduate, 2016 - 2017, 2017 - 2018

## **Advancing Research**

TOPALOĞLU N., TEKEREK A., DERİN ÖĞRENMEYE DAYALI BİR İMZA DOĞRULAMA YÖNTEMİNİN GELİŞTİRİLMESİ,  
Doctorate, M.MUTLU(Student), 2020

## **Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes**

- I. **A novel architecture for web-based attack detection using convolutional neural network**  
TEKEREK A.  
COMPUTERS & SECURITY, vol.100, 2021 (Journal Indexed in SCI)
- II. **Deep learning-based data augmentation method and signature verification system for offline handwritten signature**  
Yapici M. M. , TEKEREK A., TOPALOĞLU N.  
PATTERN ANALYSIS AND APPLICATIONS, 2020 (Journal Indexed in SCI)
- III. **Assessing risks and threats with layered approach to Internet of Things security**  
AYDOS M., Vural Y., TEKEREK A.  
MEASUREMENT & CONTROL, vol.52, pp.338-353, 2019 (Journal Indexed in SCI)
- IV. **DESIGN AND IMPLEMENTATION OF AN ARTIFICIAL INTELLIGENCE-BASED WEB APPLICATION FIREWALL MODEL**  
Tekerek A., Bay Ö. F.  
NEURAL NETWORK WORLD, vol.29, no.4, pp.189-206, 2019 (Journal Indexed in SCI)
- V. **Design and implementation of a web-based intrusion prevention system: a new hybrid model**  
TEKEREK A., Gemci C., BAY Ö. F.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, no.3, pp.646-655, 2016 (Journal Indexed in SCI)

## **Articles Published in Other Journals**

- I. **The Adaptation of Gray Wolf Optimizer to Data Clustering**  
TEKEREK A., DÖRTERLER M.  
Politeknik Dergisi, 2020 (Refereed Journals of Other Institutions)
- II. **Literature Review of Deep Learning Research Areas**  
YAPICI M. M. , TEKEREK A., TOPALOĞLU N.  
Gazi Journal of Engineering Sciences, vol.5, no.3, pp.188-215, 2019 (Refereed Journals of Other Institutions)
- III. **Support Vector Machine Based Spam SMS Detection**  
TEKEREK A.  
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.22, no.3, pp.779-784, 2019 (Journal Indexed in ESCI)
- IV. **Assessment of physics teachers attitudes towards internet use in terms of some variables**  
TEKEREK M., TEKEREK A., ERCAN O.  
World Journal on Educational Technology, vol.4, no.1, pp.43-55, 2013 (Refereed Journals of Other Institutions)
- V. **A research on students information security awareness**  
Tekerek M., Tekerek A.  
TURKISH JOURNAL OF EDUCATION, vol.2, no.3, pp.61-70, 2013 (Journal Indexed in ESCI)
- VI. **Web İçerik Yönetim Sistemi Tasarımı ve Gerçekleştirilmesi**  
TEKEREK A., BAY Ö. F.  
Journal of Polytechnic, vol.12, no.2, pp.85-91, 2009 (Other Refereed National Journals)

## **Books & Book Chapters**

- I. **SIZMA TESTLERİ**

TEKEREK A., Vural Y.

in: Siber Güvenlik ve Savunma Problemler ve Çözümler 2, Şeref Sağırođlu, Mustafa Şenol, Editor, Grafiker Yayınlar, Ankara, pp.437-456, 2019

## Refereed Congress / Symposium Publications in Proceedings

- I. **Human Recognition Based on Artificial Neural Network by Gait Pattern**  
TEKEREK A.  
INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS SCIENCE ENGINEERING AND HIGH TECH DEVICE APPLICATIONS, Ankara, Turkey, 2 - 04 October 2020
- II. **ARTIFICIAL NEURAL NETWORK DESIGN FOR AN AXIAL FLUX PERMANENT MAGNET GENERATOR**  
TEKEREK A., KURT E.  
8. European Conference on Renewable Energy Systems, İstanbul, Turkey, 24 - 25 August 2020
- III. **Artificial Neural Network Design For An Axial Flux Permanent Magnet Generator**  
TEKEREK A., KURT E.  
8. European Conference no Renewable Energy Systems, İstanbul, Turkey, 24 - 25 August 2020
- IV. **Implementation of Blockchain Based Distributed Web Attack Detection Application**  
TANRIVERDİ M., TEKEREK A.  
UBMYK 2019: I. International Informatics and Software Engineering Conference, Ankara, Turkey, 6 - 07 November 2019, pp.16-21
- V. **Danışman Eğitime Yönelik Kullanıcı Etkileşimli Video Açıklama Aracı Geliştirilmesi**  
DAĞAOTURAN A., TEKEREK A., TEKEREK M.  
13th International Computer and Instructional Technology Symposium (ICITS 2019), Kırşehir, Turkey, 2 - 04 May 2019, pp.680-687
- VI. **Türkçe İçin Derin Öğrenme Tabanlı Doğal Dil İşleme Modeli Geliştirilmesi**  
BABÜROĞLU B., TEKEREK A., TEKEREK M.  
13th International Computer and Instructional Technology Symposium (ICITS 2019), Kırşehir, Turkey, 2 - 04 May 2019, pp.671-679
- VII. **Performance Comparison of Convolutional Neural Network Models on GPU**  
Yapici M. M. , TEKEREK A., TOPALOĞLU N.  
13th IEEE International Conference on Application of Information and Communication Technologies (AICT), Baku, Azerbaijan, 23 - 25 October 2019, pp.164-167
- VIII. **Development Of Mobile Learning Platform For Caregivers Of Children With Cerebral Palsy**  
TEKEREK A., GÜZEL A., ELBASAN B., FIRAT S.  
EDUCCON – Educon Education Conference- Education 4.0 Studies, Ankara, Turkey, 27 - 28 September 2018, pp.30
- IX. **Eğitimde Veri Madenciliği ve Uygulamaları**  
TEKEREK A., AYDOS M.  
Educon 2018 Education Conference, Ankara, Turkey, 27 - 28 September 2018, pp.52-60
- X. **Spam E-Mail Detection Based On Machine Learning**  
TEKEREK A., BAY Ö. F.  
Conference: 7th International Conference on Advanced Technologies (ICAT'xx18), 28 April - 01 May 2018
- XI. **Convolutional Neural Network Based Offline Signature Verification Application**  
Yapici M. M. , TEKEREK A., TOPALOĞLU N.  
International Congress on Big Data, Deep Learning and Fighting Cyber Terrorism (IBIGDELFT), Ankara, Turkey, 3 - 04 December 2018, pp.30-34
- XII. **Anlamsal Web Arama Motoru Geliştirilmesi**  
TEKEREK A., DÖRTERLER M.  
1st International Turkish World Engineering and Science Congress, Antalya, Turkey, 7 - 10 December 2017
- XIII. **Development of Web Application Firewall Interface WAFI**  
TEKEREK A., BAY Ö. F.

International Conference on Advanced Technology Sciences (ICAT'Rome), ROMA, Italy, 23 - 25 November 2016

**XIV. Development of a Hybrid Web Application Firewall to Prevent Web Based Attacks**

TEKEREK A., Gemci C., BAY Ö. F.

8th IEEE International Conference on Application of Information and Communication Technologies (AICT), Astana, Kazakhstan, 15 - 17 October 2014, pp.51-54

**XV. Veri madenciliği süreçleri ve açık kaynak kodlu veri madenciliği araçları**

TEKEREK A.

Akademik Bilişim, 2011, Malatya, Turkey, 2 - 04 February 2011, vol.11, pp.2-4

**XVI. A descriptive study about internet use attitudes of physics teachers**

TEKEREK M., ERCAN O., TEKEREK A.

3rd World Conference on Educational Sciences (WCES), İstanbul, Turkey, 3 - 07 February 2011, vol.15, pp.3758-3762

**XVII. Implementation of a Web Content Management System for the Students Club Works**

TEKEREK M., TEKEREK A.

Proceedings of 9th International Educational Technology Conference (IETC2009), Ankara, Turkey, 6 - 08 May 2009, pp.57-63

**XVIII. An Application for Computer Aided Design of Card Stunt Systems**

TEKEREK M., TEKEREK A.

Proceedings of 9th International Educational Technology Conference (IETC2009), Ankara, Turkey, 6 - 08 May 2009, pp.282-288

## Supported Projects

Pekel H. A. , Elbasan B., Fırat S., Güzel A., Tekerek A., Erasmus Project, Encouraging students to pursue grassroot sports activities outdoor in an Eco-friendly manner (Acronym: "ECOCOM"), 2020 - 2022

Elbasan B., Oskay D., Fırat S., Güzel A., Tekerek A., Erasmus Project, Specialised ECVET Training of Caregivers for People with Cerebral Palsy, 2016 - 2020

Elbasan B., Tekerek A., Fırat S., Erasmus Project, Mobile youth peer mentoring application to facilitate distance mentoring guidance for youth with disabilities, 2017 - 2019

TEKEREK A., Industrial Thesis Project, Web Tabanlı Saldırı Önleme Amaçlı Yeni Bir Gerçek Zamanlı Web Uygulaması Güvenlik Duvarı Algoritmasının Gerçekleştirilmesi, 2013 - 2015

## Activities in Scientific Journals

Turkish Journal of Education, Committee Member, 2018 - Continues

Journal of Energy Systems, Committee Member, 2018 - Continues

## Citations

Total Citations (WOS):23

h-index (WOS):4