

Prof. GÖKHAN DALKILIÇ

Personal Information

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International Researcher IDs

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ScopusID: 6507121292

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Biography

GOKHAN DALKILIC received the B.Sc. degree in computer engineering from Ege University, Izmir, Turkey, in 1997, the M.Sc. degree in computer science from the University of Southern California, Los Angeles, CA, USA, in 1999, the M.Sc. degree in computer science from the International Computer Institute, Ege University, in 2001, and the Ph.D. degree in computer engineering from Dokuz Eylul University, Izmir, in 2004.

He was a Visiting Lecturer with the University of Central Florida, Orlando, FL, USA, in 2003. He is currently an Associate Professor with the Department of Computer Engineering, Dokuz Eylul University. He has coauthored over 95 articles, 4 books, 1 patent, and submitted three patent applications. His research interests include cryptography, statistical language processing, computer networks, lightweight authentication, and NLP.

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), Turkey 2000 - 2004

Postgraduate, Ege University, Fen Bilimleri Enstitüsü, Uluslararası Bilgisayar (Yl) (Tezli), Turkey 1997 - 2001

Postgraduate, University of Southern California, The School of Engineering, Computer Science, United States Of America 1999 - 2000

Undergraduate, Ege University, Faculty Of Engineering, Bilgisayar Mühendisliği Bölümü, Turkey 1994 - 1997

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Vocational Training, ISO 27001 Bilgi Güvenliği Yönetim Sistemi Temel Farkındalık Eğitimi, Cansın Caner Keskin, 2022

Occupational Health and Safety, Afet Farkındalık Eğitimi, Cumhurbaşkanlığı İnsan Kaynakları Ofisi, 2021

Vocational Training, İnsan Hakları, Cumhurbaşkanlığı İnsan Kaynakları Ofisi Uzaktan Eğitim Kapısı platformu, 2021

Dissertations

Doctorate, Applying and comparing smoothing techniques to contemporary printed Turkish, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), 2004
Postgraduate, Günümüz yazılı Türkçesinin istatistiksel özellikleri ve bir metin sıkıştırma uygulaması, Ege University, Fen Bilimleri Enstitüsü, Uluslararası Bilgisayar (YI) (Tezli), 2001

Research Areas

Hardware Security, Cryptography, Natural Language Processing

Academic Titles / Tasks

Associate Professor, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2018 - Continues
Assistant Professor, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2004 - 2018
Lecturer, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2004 - 2004
Lecturer, University of Central Florida, College Of Engineering And Computer Science, Computer Science, 2003 - 2003
Lecturer, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2001 - 2002
Research Assistant, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2000 - 2001

Academic and Administrative Experience

Büyük Veri Koordinatörlüğü Koordinatörü, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2023 - Continues
Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2022 - Continues
Bilgi ve İletişim Güvenliği Denetim ekibi danışmanı, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2022 - Continues
Lisans Eğitim Komisyonu üyesi, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2021 - Continues
Bilgi ve İletişim Güvenliği Fakülte Danışmanı, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2021 - Continues
ÇAP/YANDAL Koordinatörü, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2020 - Continues
Head of Department, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2021 - 2024
Yüksek Lisans Eğitim Komisyonu Üyesi, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2022 - 2023
Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2020 - 2023
Deputy Head of Department, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2020 - 2023
Bölüm İntibak Komisyonu Başkanı, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2018 - 2022
Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2017 - 2019
Bölüm Staj Koordinatörü, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2014 - 2016
Deputy Head of Department, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2012 - 2013

Courses

Computer Engineering Design, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
Senior Project, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
CRYPTOSYSTEMS AND CRYPTOGRAPHIC PROTOCOLS, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009
PhD Thesis, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009
M.Sc. Research, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008
NETWORK SECURITY, Undergraduate, 2023 - 2024, 2020 - 2021, 2019 - 2020
INTRODUCTION TO CRYPTOGRAPHY, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
Ph.D. Seminar, Doctorate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Computer Networks Security, Postgraduate, 2021 - 2022, 2020 - 2021
CONCEPTS OF PROGRAMMING LANGUAGES, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018
COMPUTER ENGINEERING DESIGN, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
INTRODUCTION TO CRYPTOGRAPHY, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2009 - 2010
NETWORK SECURITY, Undergraduate, 2018 - 2019, 2010 - 2011
NETWORK SERVICES AND APPLICATIONS, Undergraduate, 2017 - 2018
PROJECT BASED LEARNING IV, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
COMPUTER NETWORKS SECURITY, Postgraduate, 2016 - 2017, 2013 - 2014, 2012 - 2013, 2011 - 2012
CONCEPTS OF PROGRAMMING LANGUAGES, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
SENIOR PROJECT, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012
UZMANLIK ALANI, Postgraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
PRINCIPLES OF COMPUTER NETWORKS AND SECURITY, Undergraduate, 2010 - 2011, 2009 - 2010, 2007 - 2008
PROGRAMMING LANGUAGES, Undergraduate, 2008 - 2009
ALGORITHMS AND PROGRAMMING 2, Undergraduate, 2008 - 2009, 2007 - 2008
INTRODUCTION TO NATURAL LANG. PRO., Undergraduate, 2007 - 2008, 2005 - 2006
SENIOR PROJECT, Undergraduate, 2007 - 2008
2. sınıf modülleri, Undergraduate, 2008 - 2009
INTRODUCTION TO CRYPTOGRAPHY, Undergraduate, 2007 - 2008, 2006 - 2007
INTRODUCTION TO COMPUTERS, Undergraduate, 2007 - 2008
CRYPTOSYSTEMS AND CRYPTOGRAPHIC PROTOCOLS, Doctorate, 2007 - 2008, 2006 - 2007
ALGORITHMS AND PROGRAMMING II, Undergraduate, 2006 - 2007
OPERATING SYSTEMS, Undergraduate, 2006 - 2007

Advising Theses

Dalkılıç G., Application of Lightweight Cryptography Techniques in Internet of Things Scenarios, Doctorate, Ö.ŞEKER(Student), Continues
Dalkılıç G., Defending Against Denial of Service Attacks, Postgraduate, T.KALTE(Student), Continues
Dalkılıç G., Kapalı ortama uygun aktivite tespiti için derin öğrenme ile ses analizi, Postgraduate, H.ÖZGEN(Student), 2022
Dağdeviren O., Dalkılıç G., STRATEGIES FOR CONNECTIVITY ISSUES, FAULT TOLERANCE, AND DEVICE AUTHENTICATION IN DRONE NETWORKS, Doctorate, U.CAN(Student), 2022
Dalkılıç G., Internet of things security with blockchain, Postgraduate, H.ALTAŞ(Student), 2022
Dalkılıç G., Privacy in blockchain-based internet of things networks, Postgraduate, Ş.ÖKSÜZER(Student), 2022

ÖZCANHAN M. H., DALKILIÇ G., Increasing Security In Communication Between IoT Devices, Postgraduate, S.YAŞAR(Student), 2021

DALKILIÇ G., Nesnelerin interneti cihazları için blokzinciri tabanlı yetkilendirme modeli, Postgraduate, A.ALTON(Student), 2019

DALKILIÇ G., WISP ile güvenli veri transferi için random sayı üretici tasarlanması, Postgraduate, C.KÖSEMEN(Student), 2019

DALKILIÇ G., Radyo frekansı ile tanımlamada güvenliğin artırılması, Doctorate, Ö.AYDIN(Student), 2019

Dalkılıç G., Erten Y. M., Density grid based stream clustering algorithm, Doctorate, R.DAOUUD(Student), 2019

DALKILIÇ G., Tam teşekküllü sınıfında bir protokol tasarımıyla radyo frekansı ile tanımlama sistemlerinde kimlik doğrulamayı geliştirme, Doctorate, A.KHIDIR(Student), 2018

DALKILIÇ G., Ağ ihlalinin tespiti için modifiye edilmiş istifleme topluluk makine öğrenme tekniği, Doctorate, N.DEMİR(Student), 2018

DALKILIÇ G., Gönderici politikası çerçevesi ile istenmeyen elektronik postaların filtrelenmesi, Doctorate, D.SİPAHİ(Student), 2017

DALKILIÇ G., Yönetmel kararların veri madenciliği kullanılarak desteklenmesi: Türkiye telekomünikasyon sektöründen bulgular, Doctorate, S.SEÇGİN(Student), 2016

DALKILIÇ G., UHF radyo frekansı ile tanımlama etiketlerinde rastgele sayı üretimi, Postgraduate, M.CAN(Student), 2015

DALKILIÇ G., Kablosuz ağlar üzerinden güvenli veri iletimi, Postgraduate, B.ESHMURZAEV(Student), 2012

DALKILIÇ G., Enerji tasarruflu algoritmalar, Postgraduate, C.BEŞEL(Student), 2011

DALKILIÇ G., Türk dilinin karakteristikleri ve yazar tanıma, Postgraduate, F.ÖRÜCÜ(Student), 2009

DALKILIÇ G., En yakın K komşu kümelemesi ile aykırı durumların tespiti, Postgraduate, Y.DOĞAN(Student), 2009

DALKILIÇ G., Gömülü güvenlik duvarı yazılım paketi, Postgraduate, N.DEMİR(Student), 2009

Advising Graduates (Non-Thesis)

Dalkılıç G., Tüketici Elektronik Ürünlerinde Nesne Yönelimli Kullanıcı Arayüzü ve Gerçekleştirimi, Masters (Non-Thesis), E.KARAGÖZ(Student), 2009

Dalkılıç G., Türkçe için Anlam Belirsizliği Giderme, Masters (Non-Thesis), E.MERT(Student), 2009

Dalkılıç G., Java Kart Teknolojisinin Şifre Korunmalı Web Sayfalarına Uyarlanması, Masters (Non-Thesis), M.DURSUN(Student), 2007

Dalkılıç G., Türkçe için Sözlük Algoritması, Masters (Non-Thesis), F.YİĞİT(Student), 2007

Jury Memberships

Doctoral Examination, Doctoral Examination, Dokuz Eylül Üniversitesi, January, 2024

Academic Staff Examination, Academic Staff Examination, Dokuz Eylül Üniversitesi, January, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, December, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, December, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, December, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, December, 2023

Academic Staff Examination, Academic Staff Examination, Dokuz Eylül Üniversitesi, January, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, January, 2023

Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, January, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi,

January, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, January, 2023

Doctorate, Doctorate, Ege Üniversitesi, January, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, January, 2023

Doctoral Examination, Doctoral Examination, Dokuz Eylül Üniversitesi, January, 2023

Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, December, 2022

Doctorate, Doctorate, İzmir Yüksek Teknoloji Enstitüsü, December, 2022

Doctorate, Doctorate, Ege Üniversitesi, September, 2022

Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, June, 2022

Doctoral Examination, Doctoral Examination, Dokuz Eylül Üniversitesi, June, 2022

Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Dokuz Eylül Üniversitesi, January, 2022

Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, October, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **MARAS: Mutual Authentication and Role-Based Authorization Scheme for Lightweight Internet of Things Applications**
Şeker Ö., Dalkılıç G., Çabuk U. C.
SENSORS, vol.23, no.12, 2023 (SCI-Expanded)
- II. **Performance analysis of lightweight Internet of things devices on blockchain networks**
Kosemen C., Dalkılıç G., Oksuzer S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.30, no.2, pp.328-343, 2022 (SCI-Expanded)
- III. **Data immutability and event management via blockchain in the Internet of things**
Altas H., Dalkılıç G., Çabuk U. C.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.30, no.2, pp.450-468, 2022 (SCI-Expanded)
- IV. **CoMAD: Context-Aware Mutual Authentication Protocol for Drone Networks**
Çabuk U. C., Dalkılıç G., Dağdeviren O.
IEEE ACCESS, vol.9, pp.78400-78414, 2021 (SCI-Expanded)
- V. **DGStream: High quality and efficiency stream clustering algorithm**
Ahmed R., Dalkılıç G., Erten Y.
EXPERT SYSTEMS WITH APPLICATIONS, vol.141, 2020 (SCI-Expanded)
- VI. **A novel grouping proof authentication protocol for lightweight devices: GPAPXR**
Aydın O., Dalkılıç G., Kosemen C.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.28, no.5, pp.3036-3051, 2020 (SCI-Expanded)
- VII. **Review of different classes of RFID authentication protocols**
İbrahim A., Dalkılıç G.
WIRELESS NETWORKS, vol.25, no.3, pp.961-974, 2019 (SCI-Expanded)
- VIII. **Security analysis of Hsiang m-coupon protocol**
Yıldırım K., Dalkılıç G., Duru N.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, no.4, pp.1705-1724, 2019 (SCI-Expanded)

- IX. Formally analyzed m-coupon protocol with confirmation code (MCWCC)**
Yildirim K., Dalkılıç G., Duru N.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.27, no.1, pp.484-498, 2019
(SCI-Expanded)
- X. Genetic programming-based pseudorandom number generator for wireless identification and sensing platform**
Kosemen C., Dalkılıç G., Aydin O.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.26, no.5, pp.2500-2511, 2018
(SCI-Expanded)
- XI. Modified stacking ensemble approach to detect network intrusion**
Demir N., Dalkılıç G.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.26, no.1, pp.418-433, 2018
(SCI-Expanded)
- XII. A Decision Support System Using Demographic Issues: A Case Study in Turkey**
Secgin S., Dalkılıç G.
INTERNATIONAL ARAB JOURNAL OF INFORMATION TECHNOLOGY, vol.14, no.3, pp.393-401, 2017 (SCI-Expanded)
- XIII. Spam filtering with sender authentication network**
Dalkılıç G., Sipahi D.
COMPUTER COMMUNICATIONS, vol.98, pp.72-79, 2017 (SCI-Expanded)
- XIV. A random number generator for lightweight authentication protocols: xorshiftR**
Çabuk U. C., Aydin O., Dalkılıç G.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.6, pp.4818-4828, 2017
(SCI-Expanded)
- XV. An Advanced Encryption Standard Powered Mutual Authentication Protocol Based on Elliptic Curve Cryptography for RFID, Proven on WISP**
Ibrahim A., Dalkılıç G.
JOURNAL OF SENSORS, vol.2017, 2017 (SCI-Expanded)
- XVI. An Ultra-light PRNG Passing Strict Randomness Tests and Suitable for Low Cost Tags**
Özcanhan M. H., Unlutürk M. S., Dalkılıç G.
ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.16, no.3, pp.81-90, 2016 (SCI-Expanded)
- XVII. Detecting spam through their Sender Policy Framework records**
Sipahi D., Dalkılıç G., Özcanhan M. H.
SECURITY AND COMMUNICATION NETWORKS, vol.8, no.18, pp.3555-3563, 2015 (SCI-Expanded)
- XVIII. Improving communication among nurses and patients**
Ünlütürk M. S., Özcanhan M. H., Dalkılıç G.
COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol.120, no.2, pp.102-112, 2015 (SCI-Expanded)
- XIX. Mersenne twister-based RFID authentication protocol**
Özcanhan M. H., Dalkılıç G.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.23, no.1, pp.231-254, 2015
(SCI-Expanded)
- XX. Cryptographically Supported NFC Tags in Medication for Better Inpatient Safety**
Özcanhan M. H., Dalkılıç G., Utku S.
JOURNAL OF MEDICAL SYSTEMS, vol.38, no.8, 2014 (SCI-Expanded)
- XXI. Development of a Turkish Monosyllabic Word Recognition Test for Adults**
Mungan Durankaya S., Serbetcioglu B., Dalkılıç G., Gürkan S., Kırkm G.
JOURNAL OF INTERNATIONAL ADVANCED OTOLOGY, vol.10, no.2, pp.172-180, 2014 (SCI-Expanded)
- XXII. Increasing key space at little extra cost in RFID authentications**
Dalkılıç G., Özcanhan M. H., Cakir H. S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.22, no.1, pp.155-165, 2014
(SCI-Expanded)
- XXIII. Word-based fixed and flexible list compression**

Celikel E., Dalkilic M. E., Dalkilic G.

COMPUTER AND INFORMATION SCIENCES - ISICIS 2005, PROCEEDINGS, vol.3733, pp.780-790, 2005 (SCI-Expanded)

XXIV. **Zipf's law and Mandelbrot's constants for Turkish language using Turkish corpus (TurCo)**

Dalkılıç G., Çebi Y.

ADVANCES IN INFORMATION SYSTEMS, PROCEEDINGS, vol.3261, pp.273-282, 2004 (SCI-Expanded)

XXV. **On the cryptographic patterns and frequencies in Turkish language**

Dalkilic M., Dalkilic G.

ADVANCES IN INFORMATION SYSTEMS, vol.2457, pp.144-153, 2002 (SCI-Expanded)

XXVI. **A 300 MB Turkish corpus and word analysis**

Dalkılıç G., Çebi Y.

ADVANCES IN INFORMATION SYSTEMS, vol.2457, pp.205-212, 2002 (SCI-Expanded)

Articles Published in Other Journals

I. **Secure Communication Between Unmanned Aerial Vehicle and Ground Control Station**

SAVAŞTÜRK P., KUBİLAY İ. A., DALKILIÇ G.

Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.26, no.77, pp.350-355, 2024 (Peer-Reviewed Journal)

II. **A Physical Tracking of ESP32 IoT Devices with RSSI Based Indoor Position Calculation**

Şeker Ö., Şahin B., Akdoğan T., Dalkılıç G.

Journal of Millimeterwave Communication, Optimization and Modelling, vol.4, no.1, pp.13-16, 2024 (Peer-Reviewed Journal)

III. **Authentication with face recognition and sign language using ESP32-CAM**

Yalçın Z., Türkdaglı O., Dalkılıç G., Aydın Ö.

Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.25, no.74, pp.481-489, 2023 (Peer-Reviewed Journal)

IV. **Performing DoS Attacks on Bluetooth Devices Paired with Google Home Mini**

Yüksel T., Aydın Ö., Dalkılıç G.

Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.18, no.1, pp.53-58, 2022 (Peer-Reviewed Journal)

V. **AES Encrypted Real-Time Video Stream and Image Transmission from ESP32-CAM**

Savaştürk P., Aydın Ö., Dalkılıç G.

Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.17, no.4, pp.447-452, 2021 (Peer-Reviewed Journal)

VI. **Elektronik Sağlık Kayıtlarının Veri Tabanında T-SQL ile Şifrelenmesi ve Başarım Deneyleri**

Dalkılıç G., Karaarslan E.

Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.20, no.58, pp.52-63, 2018 (Peer-Reviewed Journal)

VII. **Topology Control in Mobile Wireless Sensor Networks**

Çabuk U. C., Dalkılıç G.

International Journal of Applied Mathematics, Electronics and Computers, vol.4, no.Special Issue-1, pp.61-65, 2016 (Peer-Reviewed Journal)

VIII. **RADYO FREKANSI İLE TANIMLAMA ETİKETLERİ İÇİN GERÇEK RASTGELE SAYI TABANLI ÜRETEÇ**

Dalkılıç G.

Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.18, no.3, pp.640-651, 2016 (Peer-Reviewed Journal)

IX. **How does the community structure affect the customer satisfaction?**

Secgin S., Dalkılıç G.

International Journal of Business Excellence, vol.8, no.3, pp.312-323, 2015 (Scopus)

X. **Security Issues of a Recent RFID Multi Tagging Protocol**

Özcanhan M. H., Baytar S., Utku S., Dalkılıç G.

INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS, vol.6, no.1, pp.11-15, 2015 (ESCI)

- XI. **An Enhanced Lightweight Authentication ELA Protocol for WISP Based RFID Application**
Dalkılıç G.
LIFE SCIENCE JOURNAL, vol.11, no.10, pp.878-885, 2014 (Peer-Reviewed Journal)
- XII. **Astigmatizma analizinde vektöryel analiz programı**
Eğrilmez S., Dalkılıç G., Yağcı A.
TURK OFTALMOLOJİ GAZETESİ, vol.33, no.3, pp.404-416, 2003 (Peer-Reviewed Journal)
- XIII. **Türkçe Külliyat Oluşturulması ve Türkçe Metinlerde Kullanılan Kelimelerin Uzunluk Dağılımlarının Belirlenmesi**
Dalkılıç G., Çebi Y.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.5, no.1, pp.1-7, 2003 (Peer-Reviewed Journal)
- XIV. **Basılı Türkçenin Önemli Bazı İstatistiksel Özellikleri**
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Memberships / Tasks in Scientific Organizations

TEYDEB Bilişim Teknolojileri Grubu Geniş Bant / Mobil İletişim Teknolojileri Çağrılı Projeler Danışma Kurulu, Member of Advisory Board, 2015 - 2016, Turkey

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TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Dokuz Eylul University, Turkey, August 2009
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Dokuz Eylul University, Turkey, August 2009
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Dokuz Eylul University, Turkey, June 2009
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Dokuz Eylul University, Turkey, August 2008
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Dokuz Eylul University, Turkey, July 2007

Scientific Consultations

CİCİ MEZE GIDA SAN. VE TİC. A.Ş., Project Consultancy, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey, 2016 - 2016
ERICSSON, Project Consultancy, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey, 2016 - 2016
İzmir Ulaşım Hizmetleri ve Mak. San. A.Ş., Scientific Consultancy, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey, 2014 - 2014
TAKİPSAN BİLİŞİM TEKNOLOJİLERİ SAN. VE TİC. LTD. ŞTİ., Project Consultancy, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey, 2014 - 2014
Litum Bilgi Teknolojileri San. ve Dış Tic. AŞ, Project Consultancy, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey, 2013 - 2014
RUT-ŞALOM-ARGEM YAZILIM GELİŞTİRME ŞİRKETİ, Scientific Consultancy, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey, 2007 - 2008

Tasks In Event Organizations

Dalkılıç G., 15th International Conference on Information Security & Cryptology, ISCTURKEY 2022, Scientific Congress, Ankara, Turkey, Ekim 2022
Dalkılıç G., Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, ASYU 2022, Scientific Congress, Antalya, Turkey, Eylül 2022
Dalkılıç G., 14th International Conference on Information Security & Cryptology, ISCTURKEY 2021, Scientific Congress, Ankara, Turkey, Aralık 2021
Dalkılıç G., Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, ASYU 2021, Scientific Congress, Elazığ, Turkey, Ekim 2021
Dalkılıç G., 13th International Conference on Information Security & Cryptology, ISCTURKEY 2020, Scientific Congress, Ankara, Turkey, Aralık 2020
Dalkılıç G., Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, ASYU 2019, Scientific Congress, İzmir, Turkey, Kasım 2019
Dalkılıç G., 13. Ulusal Yazılım Mühendisliği Sempozyumu (UYMS 2019), Scientific Congress, İzmir, Turkey, Eylül 2019
Dalkılıç G., 2019 7th International Istanbul Smart Grids and Cities Congress and Fair (ICSG), Scientific Congress, İstanbul, Turkey, Nisan 2019
Dalkılıç G., 11th International Conference on Information Security & Cryptology, ISCTURKEY 2018, Scientific Congress, Ankara, Turkey, Ekim 2018
Dalkılıç G., Computer and Information Sciences 32nd International Symposium, ISCIS 2018, Scientific Congress, Poznan, Poland, Eylül 2018
Dalkılıç G., 12. Ulusal Yazılım Mühendisliği Sempozyumu, Scientific Congress, İstanbul, Turkey, Eylül 2018
Dalkılıç G., 10th International Conference on Information Security & Cryptology, ISCTURKEY 2017, Scientific Congress, Ankara, Turkey, Ekim 2017
Dalkılıç G., Computer and Information Sciences 31st International Symposium, ISCIS 2016, Scientific Congress, Krakow, Poland, Ekim 2016
Dalkılıç G., Computer and Information Sciences 30th International Symposium, ISCIS 2015, Scientific Congress, London,

United Kingdom, Eylül 2015

Dalkılıç G., Computer and Information Sciences 29th International Symposium, ISCIS 2014, Scientific Congress, Krakow, Poland, Ekim 2014

Dalkılıç G., Computer and Information Sciences 28th International Symposium, ISCIS 2013, Scientific Congress, Paris, France, Ekim 2013

Dalkılıç G., 3. Uluslararası Bilişim Hukuku Kurultayı, Scientific Congress, İzmir, Turkey, Haziran 2013

Dalkılıç G., 5th International Conference on Information Security & Cryptology, ISCTURKEY 2012, Scientific Congress, Ankara, Turkey, Mayıs 2012

Dalkılıç G., 2. Uluslararası Bilişim Hukuku Kurultayı, Scientific Congress, İzmir, Turkey, Kasım 2011

Dalkılıç G., BİRANT D., Advances in Information Systems (ADVIS 2006), Scientific Congress, İzmir, Turkey, Ekim 2006

Dalkılıç G., Advances in Information Systems (ADVIS 2000), Scientific Congress, İzmir, Turkey, Ekim 2000

Scientific Research / Working Group Memberships

Deu Ceng Security Research Group, Dokuz Eylul University, Turkey, <http://srg.cs.deu.edu.tr/>, 2015 - Continues

Metrics

Publication: 106

Citation (WoS): 228

Citation (Scopus): 439

H-Index (WoS): 7

H-Index (Scopus): 10

Congress and Symposium Activities

Innovations in Intelligent Systems and Applications Conference (ASYU), Audience, İzmir, Turkey, 2019

ULUSLARARASI BİLGİSAYAR BİLİMLERİ VE MÜHENDİSLİĞİ KONFERANSI (UBMK'17), Audience, Antalya, Turkey, 2017

INTERNATIONAL CONFERENCE ON COMPUTE AND DATA ANALYSIS (ICCCA 2017), Audience, Florida, United States Of America, 2017

International Congress on New Trends in Science, Engineering and Technology (ICONTRENDS 2017), Audience, Barcelona, Spain, 2017

3RD INTERNATIONAL MANAGEMENT INFORMATION SYSTEMS CONFERENCE, Audience, İzmir, Turkey, 2016

3rd International Conference on Advanced Technology Sciences (ICAT 2016), Audience, Konya, Turkey, 2016

International Conference on Engineering and Natural Science (ICENS 15), Audience, Skopje, Macedonia, 2015

Türkiye de İnternet Konferansı (Inet-tr), Audience, İzmir, Turkey, 2014

2nd International Symposium on Digital Forensics and Security (ISDFS), Audience, Texas, United States Of America, 2014

2 nd International Symposium on Computing in Science Engineering (ISCSE), Audience, Aydın, Turkey, 2011

1st International Symposium on Computing in Science Engineering (ISCSE), Audience, Aydın, Turkey, 2010

III. İSTANBUL BİLİŞİM KONGRESİ, Audience, İstanbul, Turkey, 2009

3rd Information Security & Cryptology Conference With International Participation, Audience, Ankara, Turkey, 2008

2nd International Conference on Advances in Information Systems, ADVIS 2002, Audience, İzmir, Turkey, 2002

XVI. International Symposium on Computer and Inf. Sciences (ISCIS), Audience, Antalya, Turkey, 2001

Scholarships

Yurtdışı Lisansüstü Eğitim Bursu, Ministry of Education, 1999 - 2000

Lisans Bursu (4. sınıf), Special Institutions and Organizations, 1996 - 1997

Awards

Pekmezci N. G., Havadar T. C., Dalkılıç G., Bitirme Projeleri "Sanayi Endüstri" 1. Lik Ödülü, Genç Beyinler Yeni Fikirler (Gbyf), May 2017

Aydın Ö., Dalkılıç G., En İyi Uygulama Dalında İkincilik, Uluslararası Yönetim Bilişim Sistemleri Konferansı, October 2016

Çabuk U. C., Dalkılıç G., Best Paper, International Conference On Advanced Technology And Sciences (Icat) 2016, September 2016