

Prof. ŞEREF SAĞIROĞLU

Personal Information

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Address: Gazi University Engineering Faculty, Computer Engineering Department, Maltepe, Ankara

International Researcher IDs

ScholarID: serefsagioglu

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Publons / Web Of Science ResearcherID: AAJ-5739-2020

ScopusID: 7003371572

Yoksis Researcher ID: 10169

Biography

Prof. Sagioglu was born in Antalya and was completed his undergraduate education in 1987 at Erciyes University, Department of Electronics Engineering. He completed his doctoral studies at the University of Wales College of Cardiff (now Cardiff University, UK) in 1994. He continues his academic career as a professor in Software Engineering at Gazi University Computer Engineering Department.

Prof. Sagioglu has an outstanding academics with:

- I. h-index=>35
- II. i10-index=>101
- III. More than 7000 citation
- IV. More than 70 SCI/SSCI Indexed Articles
- V. More than 100 National and International Indexed Articles
- VI. More than 200 National and International Conference and Symposium Articles
- VII. Author and/or Editor of More than 20 Books
- VIII. Editors of 4 Open Source Books (Cyber Security and Defence Book Series; Digital Literature; Artificial Intelligence and Big Data Book Series; Open and Big Data Series;)
- IX. 6 Patents
- X. National and International Projects

Sagioglu has organised more than 50 national and international events as chairman, co-chairman, organising committee members such as:

- I. International Conference on Information Security and Cryptology (www.iscturkey.org)
- II. International Conference on Computer Science and Engineering – IEEE (www.ubmk.org)
- III. Big Data, Deep Learning and Fighting Cyber Terrorisms – IEEE (www.ibigdelft.org)
- IV. IEEE International Conference on Machine Learning and Applications (www.icmla-conferences.org)
- V. IEEE International Conference on Renewable Energy and Research Applications (www.icrera.org)
- VI. Big Data Analytics, Security and Privacy Workshop (www.bigdatacenter.gazi.edu.tr)
- VII. National Cyber Terrorism Conference (www.siberteror.org)
- VIII. Turkey Open Data Conference (www.acikveriturkiye.org)

IX. IEEE 5G Summit-Istanbul (www.ieeesummit.org)

X. National IPv6 Conference (www.ipv6.org)

He has also been founding members of

- I. Information Security Association (www.bilgiguvenligi.org.tr),
- II. Turkish Science Research Foundation (www.tubav.org.tr),
- III. The Foundation of the People Caring for the Future (www.gonder.org.tr).
- IV. Information Security Engineering Graduate and Post Graduate Programs of Gazi University
- V. Big Data Analytics, Security and Privacy Program of Gazi University
- VI. Software Engineering Undergraduate Program

Sagioglu has/had such duties as:

- I. Dean of Engineering Faculty of Gazi University
- II. Member of ETSI as an Observer
- III. President and Executive Committee Member of Information Security Association
- IV. President and Member of Turkish Science and Research Foundation
- V. Dean of Graduation School of Science and Technology at Gazi University
- VI. Head of Computer Engineering Department, Gazi University
- VII. Head of Computer Engineering Department, Erciyes University
- VIII. Member of IEEE Biometric Task Force
- IX. President of IPv6 Forum Turkey (www.ipv6forumtr.org)
- X. Editors of
 - I. International Journal of Information Security Science (www.ijiss.org),
 - II. International Journal of Information Security Engineering (in Turkish) (www.dergipark.gov.tr/ubgmd) and
 - III. CyberMag (www.cybermag.com.tr).
- XI. General Director of FutureTech (www.futuretech.com.tr)
- XII. Member of Cyber Security Group of Higher Education Council of Turkey
- XIII. Supervisor, Havelsan
- XIV. Supervisor, IT Regulatory Body of Turkey (BTK)
- XV. Supervisor, Personal Data Protection Regulatory Body of Turkey (KVKK)

Sagioglu also has voluntarily been involved in many social projects and carried out projects in Scientific Research Projects such as TUBITAK, European Union, Sectors, University BAP Unit.

Prof. Sagioglu has delivered as invited or keynote speakers more than 500 seminars, talks, conferences at universities, schools, sectors, TV and Radio Programs, institutions and organisations in the topics of Information Security; Big and Open Data; Cyber Security and Defense; Artificial Intelligence; Artificial Neural Networks and Its Applications; Software Engineering; Privacy; Biometrics; Innovation Culture Creation; IPv6, Big Data Analytics; Robotics; 5G; Industry 4.0; etc.

Education Information

Doctorate, University of Wales, Engineering, System Engineering, United Kingdom 1990 - 1994

Undergraduate, Erciyes University, Mühendislik Fakültesi, Elektronik Mühendisliği Bölümü, Turkey 1983 - 1987

Foreign Languages

English, C2 Mastery

German, B1 Intermediate

Certificates, Courses and Trainings

Security, Training/Açık Anahtar Altyapısı ve Elektronik İmza, TÜBİTAK UEKAE, Gebze, Kocaeli. , TUBITAK UEKAE, 2004
IT, Training/Microsoft .NET Workshop, ODTÜ Teknopark, Ankara., MICROSOFT, 2002
Vocational Training, Training / Improving Memory, Cardiff, UK, University, 1993
Vocational Training, Training/Creative Thinking at work, Cardiff, UK, University, 1993
Innovative Product Design, Training / Artificial Intelligence and Robotics, Wales University Conference Centre, Gregnog, Newtown, Wales, UK, Cardiff University, 1991
Other, Summer School / Elektromagnetik Antenler, Çukurova Üniversitesi, Adana, Çukurova University, 1988

Dissertations

Doctorate, Modelling A Sensor Using Artificial Neural Networks, University of Wales College of Cardiff, 1994

Research Areas

Medicine, Information Systems, Communication and Control Engineering, Control and System Engineering, Computer Sciences, algorithms, Simulation and Modelling, Computational Model, Distributed Systems, Numerical Algorithms, Information Security and Reliability, Hiding Information, Hardware Security, Software Security, Information Visualization, Virtual Reality, Computer Vision, Equipment, Artificial Intelligence, Computer Learning and Pattern Recognition, Knowledge Engineering, Computer Learning, Fuzzy Sets and Systems, Text/Document Processing, Automated Problem Solving, Theorem Proving and Logical Reasoning, Pattern Recognition and Image Processing, Neural Networks, Software, Programming Languages, Software Engineering, Soft Computing, Electrical and Electronics Engineering, Electromagnetic, Energy, Power Electronics, Engineering and Technology

Academic Titles / Tasks

Professor, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2008 - Continues
Associate Professor, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2003 - 2008
Associate Professor, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2000 - 2003
Assistant Professor, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 1996 - 2000
Research Assistant, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği , 1988 - 1996

Academic and Administrative Experience

Director of the Center, Gazi University, AI & BIG DATA ANALYTICS & SECURITY R&D CENTER, 2021 - Continues
Bölüm Stratejik Plan Komisyonu Başkanı, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2021 - Continues
Rectorate Commissioner, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2020 - Continues
Dean, Gazi University, Mühendislik Fakültesi, 2020 - 2021
Head of Department, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2015 - 2020
Head of Department, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2015 - 2020
Enstitü Yönetim Kurulu Üyesi, Gazi University, Bilişim Enstitüsü, 2017 - 2019
Gazi University, Fen Bilimleri Enstitüsü, Bilgi Güvenliği Mühendisliği Anabilim Dalı (Disiplinlerarası), 2014 - 2015
Head of Department, Gazi University, Fen Bilimleri Enstitüsü, 2013 - 2015
Director of The Institution, Gazi University, Fen Bilimleri Enstitüsü, 2012 - 2015
Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2005 - 2011
Deputy Director of the Center, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2005 - 2007

Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2003 - 2005
Head of Department, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2001 - 2003
Deputy Head of Department, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2001 - 2003
Head of Department, Erciyes University, Fen Bilimleri Enstitüsü, -, 1999 - 2001
Head of Department, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 1999 - 2001
Head of Department, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 1995 - 2001
Head of Department, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 1996 - 1999

Courses

SCIENTIFIC RESEARCH TECHNIQUES AND ETHICS, Doctorate, 2019 - 2020
BİLGİ GÜV. MÜH. MAKİNA ÖĞRENMESİ VE UYG., Postgraduate, 2018 - 2019
ENTERPRISE INFORMATION SECURITY, Doctorate, 2017 - 2018
ARTIFICIAL NEURAL NETWORKS, Postgraduate, 2017 - 2018
SCIENTIFIC RESEARCH TECHNIQUES AND PUBLICATION ETHICS, Postgraduate, 2018 - 2019
INTRODUCTION TO DATA SCIENCE, Undergraduate, 2017 - 2018
PERCEPTRON NETWORKS AND APPLICATIONS , Undergraduate, 2016 - 2017
INTRODUCTION TO COMPUTER SECURITY, Undergraduate, 2016 - 2017
INFORMATION AND COMPUTER SECURITY, Postgraduate, 2016 - 2017
DESCRIBE MATHEMATICS, Undergraduate, 2010 - 2011

Advising Theses

SAĞIROĞLU Ş., Cyber Threat Information Sharing Between Organizations Evaluations And Suggestions, Postgraduate, A.Melih(Student), 2021
SAĞIROĞLU Ş., Anomaly Detection In Brain Mri Images With Deep Learning Methods, Doctorate, E.AYDOĞAN(Student), 2021
SAĞIROĞLU Ş., Fashion-Based Customer Analysis For Retail Stores: A Hybrid Intelligent System Proposal, Postgraduate, S.Furkan(Student), 2021
Sağiroğlu Ş., Detecting Brain Tumors Using Deep Learning Approaches , Doctorate, M.ALİ(Student), 2020
SAĞIROĞLU Ş., Fraud Detection Models In Class Imbalanced Big Data And Explainability, Doctorate, D.SİNANÇ(Student), 2020
SAĞIROĞLU Ş., Energy Efficient Placement Of Virtual Security Functions: Method Proposals And Application, Doctorate, M.SEDEF(Student), 2020
SAĞIROĞLU Ş., Denetimde büyük veri analitiği kullanımı için yol haritası, Postgraduate, İ.ÖZDEMİR(Student), 2019
SAĞIROĞLU Ş., Outlier Oriented Utility Based Big Data Anonymization Model, Doctorate, Y.CANBAY(Student), 2019
SAĞIROĞLU Ş., Big Data Based Driver And Driving Behavior Model Recommendations For Fleet And Public Transport, Doctorate, R.TERZİ(Student), 2019
SAĞIROĞLU Ş., Multi-perspective analysis and systematic benchmarking for binary-classification performance evaluation instruments, Doctorate, G.CANBEK(Student), 2019
SAĞIROĞLU Ş., Ransomware Analysis And Protection Methods, Postgraduate, B.ÖZÇAKMAK(Student), 2018
SAĞIROĞLU Ş., Analysis Directory And File Names In Turkish That Can Cause Vulnerability On Web Application, Postgraduate, O.AKTAŞ(Student), 2018
SAĞIROĞLU Ş., Mobile Fingerprint Identification System, Postgraduate, M.ÜLKER(Student), 2018
SAĞIROĞLU Ş., İnsan santrifüj sistemler için yapay sinir ağı tabanlı açılma hızının hesaplanması, Postgraduate, Y.CENGİZ(Student), 2017
SAĞIROĞLU Ş., Calculating Angular Velocity For Human Centrifuge Systems Based On Artificial Neural Networks, Postgraduate, Y.Cengiz(Student), 2017
SAĞIROĞLU Ş., Comparison Of Performance Effects Of Fixed And Roaming Correspondent Node In Mobile Ipv6

Networks, Postgraduate, P.Djassi(Student), 2017

SAĞIROĞLU Ş., Comparison of performance effects of fixed and roaming correspondent node in mobile IPv6 networks, Postgraduate, P.DJASSI(Student), 2017

SAĞIROĞLU Ş., Capability Based Dynamic Model For Cyber Security Awareness, Postgraduate, S.ERDEM(Student), 2016

SAĞIROĞLU Ş., Automatic Detection And Correction System Against Web Application Attacks, Postgraduate, D.AYDOĞDU(Student), 2015

SAĞIROĞLU Ş., The Importance Of Software Quality Process For Providing Cyber Security, Postgraduate, S.YILMAZ(Student), 2015

SAĞIROĞLU Ş., The Assessment Of Turkish National Cybersecurity Strategy And Action Plan, Postgraduate, A.AYTEKİN(Student), 2015

SAĞIROĞLU Ş., 10 parmaktan herhangi biri temel alınarak yeni bir yaklaşımla parmak izinden cinsiyet tespit eden zeki sistem, Doctorate, E.BURAK(Student), 2015

SAĞIROĞLU Ş., Developing A New Approach For Authentication, Postgraduate, R.FARZANEH(Student), 2015

SAĞIROĞLU Ş., Kişisel veri güvenliğinin sağlanması için biyometrik çözümler, Postgraduate, B.ARSLAN(Student), 2015

SAĞIROĞLU Ş., Parmak izlerinin iyileştirilmesi ve tamamlanması, Postgraduate, S.AKTAY(Student), 2014

SAĞIROĞLU Ş., A new approach and developed system to identify facial sketches from only fingerprints, Doctorate, U.YAVANOĞLU(Student), 2014

SAĞIROĞLU Ş., Mobile phone user behavior modelling, Postgraduate, D.SİNANÇ(Student), 2014

SAĞIROĞLU Ş., XSS AND CSRF attacks and solutions, Postgraduate, A.ZHANTAYEV(Student), 2014

SAĞIROĞLU Ş., Classification of content of news posts on social networks, Postgraduate, M.SEDEF(Student), 2014

SAĞIROĞLU Ş., Secure personal agenda application for iphone, Postgraduate, H.BETÜL(Student), 2014

SAĞIROĞLU Ş., Estimating face components from fingerprints using an intelligent system, Postgraduate, M.ÇOLAK(Student), 2014

SAĞIROĞLU Ş., Web based personal information harvesting, Postgraduate, Ö.ERAKMAN(Student), 2013

SAĞIROĞLU Ş., Design and application of a wind power prediction system, Doctorate, M.YEŞİLBUDAK(Student), 2013

SAĞIROĞLU Ş., Web services in e-government applications and an application of unknown numbers service, Postgraduate, S.ALTUNBAŞ(Student), 2012

SAĞIROĞLU Ş., Intelligent system for identifying gender from fingerprint, Postgraduate, E.BURAK(Student), 2012

SAĞIROĞLU Ş., Security and solutionproposals for TCP/IP based distributed industrial control systems, Doctorate, A.ÖZBİLEN(Student), 2012

SAĞIROĞLU Ş., Ipv6 configuration and developing socket based Ipv6 supported server software, Postgraduate, İ.AKŞİT(Student), 2011

SAĞIROĞLU Ş., Analysis of the relationship between fingerprint and face, Postgraduate, D.ERKAN(Student), 2011

SAĞIROĞLU Ş., Ten rengi bilgisi ile pornografik web içeriğinin filtrelenmesi, Postgraduate, İ.AHU(Student), 2010

SAĞIROĞLU Ş., PORNOGRAPHIC WEB CONTENT FILTERING WITH SKIN COLOR INFORMATION, Postgraduate, İ.Ahu(Student), 2010

SAĞIROĞLU Ş., Resim içerik filtreleme ve içerik tespiti, Postgraduate, F.QOTLI(Student), 2010

SAĞIROĞLU Ş., DEVELOPING WEB BASED AUTOMATIC LANGUAGE IDENTIFICATION AND TRANSLATION SYSTEM, Postgraduate, U.YAVANOĞLU(Student), 2009

SAĞIROĞLU Ş., Esnek hesaplama yöntemleri ile parmak izi yüz biyometrik özelliklerinin ilişkilendirilmesi, Doctorate, N.ÖZKAYA(Student), 2009

SAĞIROĞLU Ş., Web tabanlı otomatik dil tanıma ve çevirme sistemi geliştirilmesi, Postgraduate, U.YAVANOĞLU(Student), 2009

SAĞIROĞLU Ş., CMS tabanlı kütüphane kullanarak ETSI uyumlu elektronik imza modülü ve çevrimiçi uygulama geliştirmek, Postgraduate, H.GÖLLE(Student), 2009

SAĞIROĞLU Ş., Steganaliz yaklaşımlarının karşılaştırılması, Postgraduate, M.D.(Student), 2008

SAĞIROĞLU Ş., ENTERPRISE INFORMATION SECURITY AND PENETRATION TESTING, Postgraduate, Y.VURAL(Student), 2007

SAĞIROĞLU Ş., ANALYSIS, DESIGN AND IMPLEMENTATION OF INTELLIGENT INTRUSION DETECTION SYSTEMS, Postgraduate, E.Nergis(Student), 2007

SAĞIROĞLU Ş., Steganografik yaklaşımların incelenmesi, tasarımı ve geliştirilmesi, Postgraduate, M.ALİ(Student), 2007

SAĞIROĞLU Ş., INVESTIGATION, DESIGN AND DEVELOPMENT OF STEGANOGRAPHIC TOOLS, Postgraduate, M.ALİ(Student), 2007
SAĞIROĞLU Ş., MOBILE ELECTRONIC SIGNATURE, Postgraduate, M.A.(Student), 2007
SAĞIROĞLU Ş., Zeki saldırı tespit sistemleri incelenmesi, tasarımı ve gerçekleştirilmesi, Postgraduate, E.ENERGİS(Student), 2007
SAĞIROĞLU Ş., Klavye dinleme ve önleme sistemleri analiz, tasarım ve geliştirme, Postgraduate, G.CANBEK(Student), 2005
SAĞIROĞLU Ş., WEB tabanlı mobil robot sistemi tasarımı, gerçekleştirilmesi ve uygulamaları, Doctorate, N.YILMAZ(Student), 2005
SAĞIROĞLU Ş., Araç hız tespit sistemi, Postgraduate, A.HASGÜL(Student), 2004
SAĞIROĞLU Ş., Otomatik parmak izi tanıma sistemi, Postgraduate, N.ÖZKAYA(Student), 2003
SAĞIROĞLU Ş., Nümerik tabu arama algoritması, Doctorate, A.KAPLAN(Student), 2001
SAĞIROĞLU Ş., AR-GE robotu tasarımı ve gerçekleştirilmesi, Postgraduate, B.BABAYİĞİT(Student), 2000
SAĞIROĞLU Ş., Diktörtgen mikroşerit antenlerin yapay sinir ağları ile analizi ve tasarımı, Doctorate, M.ERLER(Student), 1999

Research Infrastructure Information

Sağiroğlu Ş., Big Data and Cyber Security Laboratory, April 2016

Education Infrastructure Information

Sağiroğlu Ş., BIG DATA ANALYTICS AND SECURITY PROGRAM TEST, January 2016

Designed Programs

Sağiroğlu Ş., Postgraduate, Software Engineering, 2021 - Continues
Sağiroğlu Ş., Postgraduate, BIG DATA ANALYTICS SECURITY AND PRIVACY, 2021 - Continues
Sağiroğlu Ş., Doctorate, BİLGİ GÜVENLİĞİ MÜHENDİSLİĞİ, 2015 - Continues
Sağiroğlu Ş., Doctorate, SMARTGRID, 2014 - Continues
Sağiroğlu Ş., Postgraduate, BİLGİ GÜVENLİĞİ MÜHENDİSLİĞİ, 2014 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Glioma Grade Classification using CNNs and Segmentation with an Adaptive Approach using Histogram Features in Brain MRIs**
Sağiroğlu Ş., Özkaya Ç.
IEEE ACCESS, vol.1, no.1, pp.232-242, 2023 (SCI-Expanded)
- II. **Social big data applications and challenges**
Erol S. E., Aksoy Ç., SAĞIROĞLU Ş.
Concurrency and Computation: Practice and Experience, vol.35, no.5, 2023 (SCI-Expanded)
- III. **PToPI: A Comprehensive Review, Analysis, and Knowledge Representation of Binary Classification Performance Measures/Metrics**
Canbek G., Taşkaya Demirel T., Sağiroğlu Ş.
SN Computer Science, vol.4, no.13, pp.1-30, 2023 (SCI-Expanded)
- IV. **A new utility-aware anonymization model for privacy preserving data publishing**
CANBAY Y., SAĞIROĞLU Ş., Vural Y.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.34, no.10, 2022 (SCI-Expanded)

- V. **TwitterBulletin: An Intelligent and Real-Time Automated News Categorization Tool for Twitter**
Demirci M. S., Sağiroğlu Ş.
Journal Of Universal Computer Science, vol.28, no.4, 2022 (SCI-Expanded)
- VI. **Short term traffic speed prediction with RNN method for roads characterized by densitybased clustering method Yoğunluk tabanlı kümeleme yöntemiyle karakteristiği oluşturulan yollar için RNN yöntemi ile kısa zamanlı trafik hız tahmini**
Akin M., Sagioglu S.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.37, no.2, pp.581-593, 2022 (SCI-Expanded)
- VII. **Utilizing Deep Convolutional Generative Adversarial Networks for Automatic Segmentation of Gliomas: An Artificial Intelligence Study**
Aydogan Duman E., SAĞIROĞLU Ş., Celtikci P., Demirezen M. U., BÖRCEK A. Ö., Emmez H., ÇELTİKÇİ E.
TURKISH NEUROSURGERY, vol.32, no.1, pp.16-21, 2022 (SCI-Expanded)
- VIII. **Design and evaluation of a controller for energy efficient security management and traffic routing in SDN/NFV based 5G networks SDN/NFV tabanlı 5G ağlarında enerji-etkin güvenlik yönetimi ve trafik yönlendirme için kontrolcü tasarımı ve degerlendirmesi**
DEMİRCİ M. S., SAĞIROĞLU Ş.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.37, no.1, pp.1-15, 2022 (SCI-Expanded)
- IX. **TwitterBulletin: An Intelligent and Real-Time Automated News Categorization Tool for Twitter**
DEMİRCİ M. S., SAĞIROĞLU Ş.
Journal of Universal Computer Science, vol.28, no.4, pp.345-377, 2022 (SCI-Expanded)
- X. **BenchMetrics: a systematic benchmarking method for binary classification performance metrics**
Canbek G., TAŞKAYA TEMİZEL T., SAĞIROĞLU Ş.
NEURAL COMPUTING & APPLICATIONS, vol.33, no.21, pp.14623-14650, 2021 (SCI-Expanded)
- XI. **Energy-efficient virtual security function placement in NFV-enabled networks**
Demirci M. S., Sağiroğlu Ş., Demirci M.
SUSTAINABLE COMPUTING-INFORMATICS & SYSTEMS, vol.30, 2021 (SCI-Expanded)
- XII. **New driver behaviour models for fleet management based on big data analytics**
Terzi R., Sağiroğlu Ş., Cocu O., Arkan R., Tosun M., Tuglar Y.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.1, pp.543-557, 2021 (SCI-Expanded)
- XIII. **Big Data Perspective for Driver/Driving Behavior**
Terzi R., SAĞIROĞLU Ş., Demirezen M. U.
IEEE INTELLIGENT TRANSPORTATION SYSTEMS MAGAZINE, vol.12, no.2, pp.20-35, 2020 (SCI-Expanded)
- XIV. **A Novel Deep Learning Algorithm for the Automatic Detection of High-Grade Gliomas on T2-Weighted Magnetic Resonance Images: A Preliminary Machine Learning Study**
Atici M. A., SAĞIROĞLU Ş., Celtikci P., UÇAR M., BÖRCEK A. Ö., Emmez H., ÇELTİKÇİ E.
TURKISH NEUROSURGERY, vol.30, no.2, pp.199-205, 2020 (SCI-Expanded)
- XV. **OAN: outlier record-oriented utility-based privacy preserving model**
Canbay Y., Vural Y., SAĞIROĞLU Ş.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, no.1, pp.355-368, 2020 (SCI-Expanded)
- XVI. **Optimal placement of virtual network functions in software defined networks: A survey**
Demirci M. S., Sağiroğlu Ş.
JOURNAL OF NETWORK AND COMPUTER APPLICATIONS, vol.147, 2019 (SCI-Expanded)
- XVII. **A novel implementation of kNN classifier based on multi-tupled meteorological input data for wind power prediction**
YEŞİLBUDAK M., SAĞIROĞLU Ş., Colak I.
ENERGY CONVERSION AND MANAGEMENT, vol.135, pp.434-444, 2017 (SCI-Expanded)
- XVIII. **Novel User Modeling Approaches for Personalized Learning Environments**

- KAHRAMAN H. T., SAĞIROĞLU Ş., Colak I.
INTERNATIONAL JOURNAL OF INFORMATION TECHNOLOGY & DECISION MAKING, vol.15, no.3, pp.575-602, 2016 (SCI-Expanded)
- XIX. **A survey on the critical issues in smart grid technologies**
Colak I., SAĞIROĞLU Ş., Fulli G., YEŞİLBUDAK M., Covrig C.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.54, pp.396-405, 2016 (SCI-Expanded)
- XX. **DEVELOPMENT OF A NEW FOLDER LOCK APPROACH AND SOFTWARE BASED ON STEGANOGRAPHY**
Atici M. A., SAĞIROĞLU Ş.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, no.1, pp.129-144, 2016 (SCI-Expanded)
- XXI. **Smart grid projects in Europe: Current status, maturity and future scenarios**
Colak I., Fulli G., SAĞIROĞLU Ş., YEŞİLBUDAK M., Covrig C.
APPLIED ENERGY, vol.152, pp.58-70, 2015 (SCI-Expanded)
- XXII. **A novel intelligent approach for yaw position forecasting in wind energy systems**
YEŞİLBUDAK M., SAĞIROĞLU Ş., Colak I.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.69, pp.406-413, 2015 (SCI-Expanded)
- XXIII. **GENDER CLASSIFICATION BASED ON ANN WITH USING FINGERPRINT FEATURE VECTORS**
Ceyhan E. B., SAĞIROĞLU Ş., Akyil E.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.29, no.1, pp.201-207, 2014 (SCI-Expanded)
- XXIV. **A SOFTWARE SUGGESTION FOR IPv6 SUPPORTED SOCKET BASED SERVERS ABSTRACT**
AKŞİT İ., SAĞIROĞLU Ş.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.29, no.2, pp.353-363, 2014 (SCI-Expanded)
- XXV. **A new approach to very short term wind speed prediction using k-nearest neighbor classification**
YEŞİLBUDAK M., SAĞIROĞLU Ş., Colak I.
ENERGY CONVERSION AND MANAGEMENT, vol.69, pp.77-86, 2013 (SCI-Expanded)
- XXVI. **A novel model for web-based adaptive educational hypermedia systems: SAHM (supervised adaptive hypermedia model)**
KAHRAMAN H. T., SAĞIROĞLU Ş., Colak I.
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II. Uluslararası Bilim ve Eğitimde Bilgi ve İletişim Teknolojileri Uygulamaları Konferansı, Baku, Azerbaijan, 1 - 03 November 2007

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Supported Projects

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Sağiroğlu Ş., Atay Y., Arslan B., Özdem K., Çeltikçi E., Börcek A. Ö., Project Supported by Other Official Institutions, TURKISH BRAIN PROJECT, 2021 - 2023

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Sağiroğlu Ş., Project Supported by Higher Education Institutions, Büyük Veri Analitiği ve Güvenliği Altyapı Projesi, 2015 - 2017

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Student Project

R & D Project, DERđİ ÖNERİ SİSTEMİ, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliđi, Turkey, 2022 - 2023

Activities in Scientific Journals

ULUSLARARASI BİLGİ GÜVENLİđİ MÜHENDİSLİđİ DERđİSİ, First Editor, 2014 - Continues

INTERNATIONAL JOURNAL OF INFORMATION SECURITY SCIENCE, First Editor, 2013 - Continues

CyberMag, Editor, 2019 - 2020

TÜBİTAK BİLİM VE TEKNİK DERđİSİ, Publication Committee Member, 2012 - 2012

Memberships / Tasks in Scientific Organizations

ELEKTRİK MÜHENDİSLERİ ODASI ANKARA řUBESİ, Chairman, 2022 - Continues, Turkey

IEEE BLOCKCHAIN INITIATIVE TURKEY WORKING GROUP, Country Representative, 2022 - Continues, Turkey

Information Security Association of Turkey, Chairman of the Scientific Committee, 2021 - Continues, Turkey

IPv6 Forum Türkiye, Chairman, 2017 - Continues, Turkey

Geleceđi Önemseyenler Derneđi, Member, 2013 - Continues, Turkey

IEEE, Member, 2010 - Continues, United States Of America

Türk Bilim Arařtırma Vakfı, Member, 1990 - Continues, Turkey

ACM, Member, 2019 - 2020, United States Of America

ISACA Ankara, Board Member, 2017 - 2019, Turkey

Bilgi Güvenliđi Derneđi, Chairman of the Board, 2007 - 2011, Turkey

Scientific Refereeing

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, ALPATA TEKNOLOđİ YAZILIM VE BİLİřİM HİZMETLERİ SAN. VE TİC. A.ř, Turkey, July 2023

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, TMK MÜHENDİSLİK SANAYİ VE TİCARET LİMİTED řİRKETİ, Turkey, May 2023

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, ONLAYER BİLİřİM TEKNOLOđİLERİ ANONİM řİRKETİ, Turkey, December 2022

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, KAPASİTE TESİS YÖNETİM HİZMETLERİ A.ř, Turkey,

December 2022

TUBITAK Project, 1501 - Industry R & D Projects Support Program, BTS KURUMSAL BİLİŞİM TEKNOLOJİLERİ A.Ş. , Turkey, November 2022

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, EGE SİSTEM BİLGİ İŞLEM SİS. YAZ. DAN. HİZ. SAN.TİC. LTD. ŞTİ., Turkey, May 2022

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, PANATES BİLGİ TEKNOLOJİLERİ A.Ş., Turkey, May 2022

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, TEKNİK DESTEK GRUBU BİLİMSEL ÖLÇME ARAŞTIRMA DANIŞMANLIK EĞİTİM TERCÜME BİLİŞİM MÜHENDİSLİK VE MAKİNE LTD. ŞTİ., Turkey, May 2022

Scientific Consultations

Türkiye Sağlık Enstitüleri Başkanlığı (TÜSEB), Scientific Consultancy, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey, 2022 - Continues

PICUS SECURITY, Scientific Consultancy, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey, 2023 - 2024

Picus Security, Scientific Consultancy, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey, 2022 - 2023
<https://stamina-project.eu/advisory-board/>, Project Consultancy, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey, 2021 - 2023

Cumhurbaşkanlığı Bilim Teknoloji ve Yenilik Politikaları Kurulu, Scientific Consultancy, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey, 2021 - 2021

KİŞİSEL VERİLERİ KORUMA KURUMU, Scientific Consultancy, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey, 2019 - 2019

BİLGİ TEKNOLOJİLERİ VE İLETİŞİM KURUMU, Scientific Consultancy, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey, 2007 - 2009

Tasks In Event Organizations

Sağiroğlu Ş., 16. ULUSLARARASI BİLGİ GÜVENLİĞİ VE KRİPTOLOJİ KONFERANSI (IEEE), Scientific Congress, Ankara, Turkey, Ekim 2023

Sağiroğlu Ş., 2023 IEEE INTERNATIONAL CONFERENCE ON SMART INFORMATION SYSTEMS AND TECHNOLOGIES, Scientific Congress, Astana, Kazakhstan, Mayıs 2023

Sağiroğlu Ş., SİBER VATAN VE SAVUNMA ULUSAL ÇALIŞTAYI, Workshop Organization, Ankara, Turkey, Ekim 2022

Sağiroğlu Ş., 15. ULUSLARARASI BİLGİ GÜVENLİĞİ VE KRİPTOLOJİ KONFERANSI (IEEE), Scientific Congress, Ankara, Turkey, Ekim 2022

Sağiroğlu Ş., Büyük Veri Analitiği, Güvenliği ve Mahremiyeti Ulusal Çalıştayı, Workshop Organization, Ankara, Turkey, Ekim 2022

Sağiroğlu Ş., Workshop Organization, Ankara, Turkey, Eylül 2022

Sağiroğlu Ş., 11TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS / IEEE, Scientific Congress, İstanbul, Turkey, Eylül 2022

Sağiroğlu Ş., 7TH INTERNATIONAL CONFERENCE ON COMPUTER SCIENCE AND ENGINEERING , Scientific Congress, Diyarbakır, Turkey, Eylül 2022

Sağiroğlu Ş., 10TH INTERNATIONAL CONFERENCE ON SMART GRID (IEEE), Scientific Congress, İstanbul, Turkey, Haziran 2022

Sağiroğlu Ş., IEEE MELECON 2022, Scientific Congress, Palermo, Italy, Haziran 2022

Sağiroğlu Ş., 14TH INTERNATIONAL CONFERENCE ON INFORMATION SECURITY AND CRYPTOLOGY, Scientific Congress, Ankara, Turkey, Aralık 2021

Sağiroğlu Ş., 6TH INTERNATIONAL CONFERENCE ON COMPUTER SCIENCE AND ENGINEERING, Scientific Congress, Ankara, Turkey, Eylül 2021

Sağiroğlu Ş., 10TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESOURCES, Scientific Congress, Ankara, Turkey, Nisan 2021
Sağiroğlu Ş., 13. INTERNATIONAL CONFERENCE ON INFORMATION SECURITY AND CRYPTOLOGY, Scientific Congress, Ankara, Turkey, Aralık 2020

Scientific Research / Working Group Memberships

Ipv6 Forum, IPV6 FORUM, Belçika, <https://www.ipv6forum.com>, 2018 - Continues
Ieee Task Force Member, Biometrics Of Cıs Isatc, IEEE BIOMETRIC TASK FORCE, Amerika Birleşik Devletleri, <https://ewh.ieee.org/cmte/cistfbistc>, 2006 - Continues

Metrics

Publication: 340
Citation (WoS): 675
Citation (Scopus): 3893
H-Index (WoS): 13
H-Index (Scopus): 30

Congress and Symposium Activities

8th International Conference Digital Technologies in Education, Science and Industry, Invited Speaker, Almati, Kazakhstan, 2023
12th INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS, Invited Speaker, Oshawa, Canada, 2023
IEEE ICSmartGrid 2023, Invited Speaker, Paris, France, 2023
2023 IEEE International Conference on Smart Information Systems and Technologies, Invited Speaker, Astana, Kazakhstan, 2023

Invited Talks

III. INTERNATIONAL GENDARMERIE AND COAST ACADEMY SECURITY CONFERENCE : CRIMINALISTICS AND CRIMINOLOGY CONGRESS , Conference, TR Ministry of Interior Gendarmerie and Coast Academy, Turkey, October 2023
Workshop, Gazi Üniversitesi, Turkey, October 2022
Big Data Analytics, Security and Privacy Issues in Smart Energy Systems, Conference, IEEE PEMC 2022 BRASOV-ROMANIA, Romania, September 2022
BIG DATA ANALYTICS, SECURITY AND PRIVACY ISSUES IN SMART ENERGY SYSTEMS, Conference, 11TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESOURCES AND APPLICATIONS, Turkey, September 2022
Big Data Analytics, Security and Privacy Issues in Smart Energy Systems, Conference, IEEE MELECON 2022 PALERMO/ITALY, Italy, June 2022
icSmartGrid 2021-IEEE/BIG DATA, SECURITY AND PRIVACY IN SMARTGRIDS, Conference, Polytechnic Institute of Setubal / icSAMRTGRID, Portugal, June 2021
WORKSHOP ON ARTIFICIAL INTELLIGENCE AND EDUCATION / PRIVACY BREACHES AND PRESERVING IN ARTIFICIAL INTELLIGENCE, Conference, Ankara Üniversitesi, Turkey, June 2021
Conference on Overcoming The Risks of Global Banking: Cybersecurity As A Top Priority / ISSUES IN CYBER SECURITY FOR BETTER PROTECTION, Conference, Association of National Development Finance Institutions in Member Countries of the Islamic Development Bank (IDB), Turkey, June 2021
9TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS / BIG DATA AND

SECURITY ISSUES IN SMARTGRIDS, Conference, UNIVERSITY OF STRATEGRLAD / ICRERA 2020 IEEE, Turkey, October 2020
20TH IEEE MEDITERRANEAN ELECTROTECHNICAL CONFERENCE IEEE MELECON 2020, Conference, IEEE MELECON 2020, Italy, July 2020
8TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS, Conference, ICRERA , Romania, November 2019

Scholarships

Virtual Learning Communities: Their Role in the development of Knowledge Economy, British Council Seminars, 13-18 Mart 2005, Cardiff, UK., Other International Organizations, 2009 - Continues
ULUSAL AJANS / ACADEMIC VISITING, 2007, Sheffield, UK., Other International Organizations, 2009 - 2009
Tubitak, University, 1997 - 1997
NATO / NATO Summer School on Soft Computing, Manavgat, Antalya, Turkey., University, 1996 - 1996
Erciyes University, University, 1990 - 1994

Awards

Sağiroğlu Ş., GOLD MEDAL, Buluşlar Ve İcatlar Fuarı (İena 2010) , October 2010
Sağiroğlu Ş., BULUŞÇU ÖZEL ÖDÜLÜ, Polonya Patent Ofisi, October 2010

Entrepreneurship Activities

Limited, FUTURETECH, 01 January 2019, Founder Owner

Non Academic Experience

Professional Chamber, CHAMBER OF ELECTRICAL ENGINEERING , ANKARA BRANCH
ELEKTRİK MÜHENDİSLERİ ODASI ANKARA ŞUBESİ
ETSI
FUTURETECH
YÜKSEKÖĞRETİM KURULU BAŞKANLIĞI
YÜKSEKÖĞRETİM KURULU BAŞKANLIĞI
GELECEĞİ ÖNEMSEYENLER DERNEĞİ
BİLGİ GÜVENLİĞİ DERNEĞİ
TÜRK - BİLİM ARAŞTIRMA VAKFI
TÜRK BİLİM ARAŞTIRMA VAKFI (TÜBAV)
CYBERMAG DERGİSİ : BİLGİ GÜVENLİĞİ DERNEĞİ
HAVELSAN
KİŞİSEL VERİLERİ KORUMU KURUMU
Proje Danışmanlığı
NETDATASOFT
ICTERRA
YÜKSEKÖĞRETİM KURULU BAŞKANLIĞI
BAŞARI MOBİLE
TÜRKSAT
KARAKAYA GROUP
TMMOB ELEKTRİK MÜHENDİSLİĞİ ODASI

TÜRKİYE İNTERNET KURULU

BİLGİ GÜVENLİĞİ DERNEĞİ

TEKNOLOJİ BİLGİLENDİRME PLATFORMU

TÜBAV BİLİM DERGİSİ

BİLGİ TEKNOLOJİLERİ VE İLETİŞİM KURUMU

BAŞARI MOBİLE

TÜRK BİLİM ARAŞTIRMA VAKFI BAŞKANI

Uluslararası Arabulucu (Adjudicator) Supply and Instalation of Hardware and Software for 4002 ICT Classrooms in
3000 Basic education Schools, MEB Projects Coordination Center,

CARDIFF UNIVERSITY TURKISH STUDENT SOCIETY / TÜRK ÖĞRENCİ TOPLULUĞU