

Prof. ŞEREF SAĞIROĞLU

Personal Information

Office Phone: [+90 312 582 3124](tel:+903125823124)

Email: ss@gazi.edu.tr

Web: <https://www.serefsagioglu.org>

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

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.siberterror.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

Sagirolu 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)

Sagirolu 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. Sagirolu 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, England 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 Bölümü, 2000 - 2003

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 1996 - 2000

Research Assistant, Erciyes University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1987 - 1996

Academic and Administrative Experience

Director of the Center, Gazi University, -, 2021 - Continues

Dean, Gazi University, Mühendislik Fakültesi, 2020 - 2021

Head of Department, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2015 - 2020

Head of Department, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 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

Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2001 - 2003

Head of Department, Erciyes University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), 1999 - 2001

Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 1999 - 2001

Head of Department, Erciyes University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 1995 - 2001

Erciyes University, Mühendislik Fakültesi, Kontrol Ve Bilgisayar Mühendisliği Bölümü, 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., Sanal ağ güvenliği fonksiyonlarının enerji etkinyerleştirilmesi: Yöntem önerileri ve uygulama, Doctorate, M.SEDEF(Student), 2020
SAĞIROĞLU Ş., Beyin tümörlerinin derin öğrenme yaklaşımlarıyla tespiti, Doctorate, M.ALİ(Student), 2020
SAĞIROĞLU Ş., SINIF DENGESİZ BÜYÜK VERİDE DOLANDIRICILIK TESPİTİ VE AÇIKLANABİLİRLİK, Doctorate, D.SİNANÇ(Student), 2020
SAĞIROĞLU Ş., Aykırı veri yönelimli fayda temelli büyük veri anonimleştirme modeli, Doctorate, Y.CANBAY(Student), 2019
SAĞIROĞLU Ş., Denetimde büyük veri analitiği kullanımı için yol haritası, Postgraduate, İ.ÖZDEMİR(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., Mobile Fingerprint Identification System, Postgraduate, M.ÜLKER(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., Calculating Angular Velocity For Human Centrifuge Systems Based On Artificial Neural Networks, Y.Cengiz(Student), 2017
SAĞIROĞLU Ş., Comparison Of Performance Effects Of Fixed And Roaming Correspondent Node In Mobile Ipv6 Networks, 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., İnsan santrifüj sistemler için yapay sinir ağları tabanlı açısıl hızın hesaplanması, Postgraduate, Y.CENGİZ(Student), 2017
SAĞIROĞLU Ş., Capability Based Dynamic Model For Cyber Security Awareness, Postgraduate, S.ERDEM(Student), 2016
SAĞIROĞLU Ş., The Importance Of Software Quality Process For Providing Cyber Security, Postgraduate, S.YILMAZ(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., Automatic Detection And Correction System Against Web Application Attacks, Postgraduate, D.AYDOĞDU(Student), 2015
SAĞIROĞLU Ş., The Assessment Of Turkish National Cybersecurity Strategy And Action Plan, Postgraduate, A.AYTEKİN(Student), 2015
SAĞIROĞLU Ş., Kişisel veri güvenliğinin sağlanması için biyometrik çözümler, Postgraduate, B.ARSLAN(Student), 2015

SAĐIROĐLU Ő., A new approach and developed system to identify facial sketches from only fingerprints, Doctorate, U.YAVANOĐLU(Student), 2014

SAĐIROĐLU Ő., Secure personal agenda application for iphone, Postgraduate, H.BETÜL(Student), 2014

SAĐIROĐLU Ő., Mobile phone user behavior modelling, Postgraduate, D.SİNANÇ(Student), 2014

SAĐIROĐLU Ő., Parmak izlerinin iyileştirilmesi ve tamamlanması, Postgraduate, S.AKTAY(Student), 2014

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

SAĐIROĐLU Ő., XSS AND CSRF attacks and solutions, Postgraduate, A.ZHANTAYEV(Student), 2014

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

SAĐIROĐLU Ő., Design and application of a wind power prediction system, Doctorate, M.YEŐİLBUDAK(Student), 2013

SAĐIROĐLU Ő., Web based personal information harvesting, Postgraduate, Ö.ERAKMAN(Student), 2013

SAĐIROĐLU Ő., Web services in e-government applications and an application of unknown numbers service, Postgraduate, S.ALTUNBAŐ(Student), 2012

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

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

SAĐIROĐLU Ő., Ipv6 configuration and developing socket based Ipv6 supported server software, Postgraduate, İ.AKŐİT(Student), 2011

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

SAĐIROĐLU Ő., PORNOGRAPHIC WEB CONTENT FILTERING WITH SKIN COLOR INFORMATION, İ.Ahu(Student), 2010

SAĐIROĐLU Ő., Ten rengi bilgisi ile pornografik web içeriĐinin filtrelenmesi, Postgraduate, İ.AHU(Student), 2010

SAĐIROĐLU Ő., Resim içerik filtreleme ve içerik tespiti, Postgraduate, F.QOTLI(Student), 2010

SAĐIROĐLU Ő., CMS tabanlı kütüphane kullanarak ETSI uyumlu elektronik imza modülü ve çevrimiçi uygulama geliŐtirmek, Postgraduate, H.GÖLLE(Student), 2009

SAĐIROĐLU Ő., Web tabanlı otomatik dil tanıma ve çevirme sistemi geliŐtirilmesi, Postgraduate, U.YAVANOĐLU(Student), 2009

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

SAĐIROĐLU Ő., DEVELOPING WEB BASED AUTOMATIC LANGUAGE IDENTIFICATION AND TRANSLATION SYSTEM, U.YAVANOĐLU(Student), 2009

SAĐIROĐLU Ő., Steganaliz yaklaşımlarının karşılaştırılması, Postgraduate, M.D.(Student), 2008

SAĐIROĐLU Ő., ANALYSIS, DESIGN AND IMPLEMENTATION OF INTELLIGENT INTRUSION DETECTION SYSTEMS, E.Nergis(Student), 2007

SAĐIROĐLU Ő., Steganografik yaklaşımların incelenmesi, tasarımı ve geliŐtirilmesi, Postgraduate, M.ALİ(Student), 2007

SAĐIROĐLU Ő., Zeki saldırı tespit sistemleri incelenmesi, tasarımı ve gerçekleştirilmesi, Postgraduate, E.ENERĐİS(Student), 2007

SAĐIROĐLU Ő., ENTERPRISE INFORMATION SECURITY AND PENETRATION TESTING, Postgraduate, Y.VURAL(Student), 2007

SAĐIROĐLU Ő., MOBILE ELECTRONIC SIGNATURE, Postgraduate, M.A.(Student), 2007

SAĐIROĐLU Ő., INVESTIGATION, DESIGN AND DEVELOPMENT OF STEGANOGRAPHIC TOOLS, M.ALİ(Student), 2007

SAĐIROĐLU Ő., Klavye dinleme ve önleme sistemleri analiz, tasarım ve geliŐtirme, Postgraduate, G.CANBEK(Student), 2005

SAĐIROĐLU Ő., WEB tabanlı mobil robot sistemi tasarımı, gerçekleştirilmesi ve uygulamaları, Doctorate, N.YILMAZ(Student), 2005

SAĐIROĐLU Ő., Araç hız tespit sistemi, Postgraduate, A.HASGÜL(Student), 2004

SAĐIROĐLU Ő., Otomatik parmak izi tanıma sistemi, Postgraduate, N.ÖZKAYA(Student), 2003

SAĐIROĐLU Ő., Nümerik tabu arama algoritması, Doctorate, A.KAPLAN(Student), 2001

SAĐIROĐLU Ő., AR-GE robotu tasarımı ve gerçekleştirilmesi, Postgraduate, B.BABAYİĐİT(Student), 2000

SAĐIROĐLU Ő., Diktörtgen mikroşerit antenlerin yapay sinir aĐları ile analizi ve tasarımı, Doctorate, M.ERLER(Student), 1999

Research Infrastructure Information

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

Designed Programs

Sağiroğlu Ş., Postgraduate, Software Engineering, 2021 - Continues

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

- I. **BenchMetrics: a systematic benchmarking method for binary classification performance metrics**
Canbek G., TAŞKAYA TEMİZEL T., SAĞIROĞLU Ş.
NEURAL COMPUTING & APPLICATIONS, 2021 (Journal Indexed in SCI)
- II. **Energy-efficient virtual security function placement in NFV-enabled networks**
Demirci M. S. , Sağiroğlu Ş., Demirci M.
SUSTAINABLE COMPUTING-INFORMATICS & SYSTEMS, vol.30, 2021 (Journal Indexed in SCI)
- III. **New driver behaviour models for fleet management based on big data analytics**
Terzi R., Sağiroğlu Ş., Cocu O., Arkan R., Tosun M., Tulgar Y.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.1, pp.543-557, 2021 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)
- VIII. **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 (Journal Indexed in SCI)
- IX. **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 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI)
- XI. **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 (Journal Indexed in SCI)

- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)
- XVI. **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 (Journal Indexed in SCI)
- XVII. **A novel model for web-based adaptive educational hypermedia systems: SAHM (supervised adaptive hypermedia model)**
KAHRAMAN H. T. , SAĞIROĞLU Ş., Colak I.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.21, no.1, pp.60-74, 2013 (Journal Indexed in SCI)
- XVIII. **A data mining approach: Analyzing wind speed and insolation period data in Turkey for installations of wind and solar power plants**
Colak I., SAĞIROĞLU Ş., DEMİRTAŞ M., YEŞİLBUDAK M.
ENERGY CONVERSION AND MANAGEMENT, vol.65, pp.185-197, 2013 (Journal Indexed in SCI)
- XIX. **The development of intuitive knowledge classifier and the modeling of domain dependent data**
KAHRAMAN H. T. , SAĞIROĞLU Ş., Colak I.
KNOWLEDGE-BASED SYSTEMS, vol.37, pp.283-295, 2013 (Journal Indexed in SCI)
- XX. **A new approach to predict the excitation current and parameter weightings of synchronous machines based on genetic algorithm-based k-NN estimator**
Kahraman H. T. , BAYINDIR R., Sagioglu Ş.
Energy Conversion and Management, vol.64, pp.129-138, 2012 (Journal Indexed in SCI Expanded)
- XXI. **Data mining and wind power prediction: A literature review**
Colak I., SAĞIROĞLU Ş., YEŞİLBUDAK M.
RENEWABLE ENERGY, vol.46, pp.241-247, 2012 (Journal Indexed in SCI)
- XXII. **A STUDY ON COST ANALYSIS FOR IPv6 PROTOCOL TRANSITION**
SAĞIROĞLU Ş., ALKAN M., KARACAN H., Parilti N., KASAP R., YAVANOĞLU U., Haciomeroglu M., AKŞİT İ.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, no.1, pp.151-161, 2012 (Journal Indexed in SCI)
- XXIII. **Real-Time Line Tracking Based on Web Robot Vision**
YILMAZ N., SAĞIROĞLU Ş.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.19, no.4, pp.806-813, 2011 (Journal Indexed in SCI)
- XXIV. **AHP MODEL FOR TRANSITION FROM IPv4 TO IPv6**
Kızılkaya Aydoğan E., Soylu M. Y. , Gencer C., Çetin S., Soysal M., Bektas O., Yuce E., Ozturk Y., Gokirmak Y., Sağıroğlu Ş.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, pp.701-709, 2011 (Journal Indexed in SCI)
- XXV. **DESIGNING and DEVELOPING an INTELLIGENT INTRUSION DETECTION SYSTEM**
SAĞIROĞLU Ş., Yolacan E. N. , YAVANOĞLU U.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.2, pp.325-340,

- 2011 (Journal Indexed in SCI)
- XXVI. **A Novel Web-Based Laboratory for DC Motor Experiments**
Colak I., DEMİRBAŞ Ş., SAĞIROĞLU Ş., IRMAK E.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.19, no.1, pp.125-135, 2011 (Journal Indexed in SCI)
- XXVII. **SECURITY TESTS AND SUGGESTIONS FOR ENTERPRISE INFORMATION SECURITY**
Vural Y., SAĞIROĞLU Ş.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.1, pp.89-104, 2011 (Journal Indexed in SCI)
- XXVIII. **AN INTELLIGENT AND AUTOMATIC FACE SHAPE PREDICTION SYSTEM FROM FINGERPRINTS**
SAĞIROĞLU Ş., Ozicaya N.
INTELLIGENT AUTOMATION AND SOFT COMPUTING, vol.17, no.3, pp.309-317, 2011 (Journal Indexed in SCI)
- XXIX. **AUTOMATIC WEB BASED LANGUAGE IDENTIFICATION AND TRANSLATION SYSTEM**
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Sağiroğlu Ş., Çiftçi M., TUBITAK Project, Büyük Veri Kullanılarak Yerli Trafik Yoğunluk Haritası, Trafik Tahminleme Algoritmaları ve İleri Düzey Trafik Rotalama Algoritmalarının Geliştirilmesi, 2020 - 2022

SAĞIROĞLU Ş., SİNANÇ TERZİ D., Other Supported Projects, Ağ ve uygulama seviyesinde büyük veri analitiği ile davranışsal anomali ve kural ihlali tespiti yapan, raporlayan ve güvenlik araçlarını bilgilendiren yeni nesil analiz aracı tasarımı, 2017 - 2018

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2017 - 2018

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SAĞIROĞLU Ş., SİNANÇ TERZİ D., Project Supported by Higher Education Institutions, BÜYÜK VERİ ANALİTİĞİ VE GÜVENLİĞİ PROJESİ, 2016 - 2017

BÜLBÜL H. İ. , SAĞIROĞLU Ş., Project Supported by Other Private Institutions, BÜYÜK VERİ ANALİTİĞİ İLE SÜRÜCÜ DAVRANIŞI MODELLEME, 2016 - 2017

SAĞIROĞLU Ş., Project Supported by Other Private Institutions, YAZILIM TABANLI ELEKTRONİK PLATFORMLARI YATEP KULLANARAK GERÇEK PROJE GELİŞTİRME EĞİTİMİ Düşün geliştir üret, 2016 - 2016

SAĞIROĞLU Ş., Project Supported by Other Official Institutions, "Gerçek Bir Problemi Çöz ve Gerçekleştir", 2016 - 2016

SAĞIROĞLU Ş., Project Supported by Other Private Institutions, LİSE ÖĞRENCİLERİNE MOBİL PROGRAMLAMA EĞİTİMİ, 2016 - 2016

SAĞIROĞLU Ş., Project Supported by Higher Education Institutions, BİYOMETRİK VERİLER ARASI İLİŞKİ ANALİZİ, 2013 - 2016

SAĞIROĞLU Ş., Project Supported by Higher Education Institutions, Yalnızca Parmak İzi Bilgileri Kullanılarak Gerçek Zamanlı Cinsiyet Tanıyan Zeki Sistem, 2013 - 2016

SAĞIROĞLU Ş., Project Supported by Higher Education Institutions, TCP/IP TABANLI DAĞITIK ENDÜSTRİYEL SİSTEMLERDE GÜVENLİK VE ÇÖZÜM ÖNERİLERİ, 2011 - 2013

Sağiroğlu Ş., Project Supported by Higher Education Institutions, IPv6 Tabanlı Uzaktan Eğitim Platformu Tasarımı, 2011 - 2012

Sağiroğlu Ş., Gencer C., Yavanoğlu U., Karacan H., TUBITAK Project, National Project on IPv6 Protocol Infrastructure and Transition, 2008 - 2010

Sağiroğlu Ş., Bulut H., Project Supported by Higher Education Institutions, Mobil Ortamlarda Kötücül Yazılımlar ve Karşı Tedbirler Üzerine Uygulama Geliştirme, 2008 - 2009

Patent

SAĞIROĞLU Ş., 10 parmaktan herhangi biri temel alınarak yeni bir yaklaşımla parmak izinden cinsiyet tespit eden zeki sistem, Patent, CHAPTER G Physics, 2019

Sağiroğlu Ş., Parmak izinden cinsiyet tanıyan zeki sistem, Patent, CHAPTER G Physics, The Invention Registration Number: 2012 07018 , Initial Registration, 2015

Sağiroğlu Ş., Intelligent system for photorealistic facial composite production from only ... WO WO2016032410A1 Seref SAGIROGLU Sagiroglu Seref Priority 2014-08-29 • Filed 2015-08-31 • Published 2016-03-03, Patent, CHAPTER G Physics, The Invention Registration Number: WO 2016/032410 A1 , Initial Registration, 2014

Sağiroğlu Ş., Web ortamında bulunan dokümanların yazı dilinin otomatik olarak tespiti ve içeriğin gerçek zamanlı olarak dönüştürülmesi yöntemi ve sistemi., Patent, CHAPTER G Physics, The Invention Registration Number: 2010 00137 , Initial Registration, 2014

Activities in Scientific Journals

ULUSLARARASI BİLGİ GÜVENLİĞİ MÜHENDİSLİĞİ DERGİSİ, First Editor, 2014 - Continues

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

CyberMag, Editor, 2019 - 2020

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

Memberships / Tasks in Scientific Organizations

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

IEEE, Member, 2010 - Continues, United States Of America
Türk Bilim Araştırma Vakfı, Member, 1990 - Continues, Turkey
ACM, Member, 2019 - 2020, United States Of America
ISACA Ankara, Board Member, 2017 - 2019, Turkey

Scientific Consultations

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

Tasks In Event Organizations

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, Belgium, <https://www.ipv6forum.com>, 2018 - Continues
Ieee Task Force Member, Biometrics Of Cıs Isatc, IEEE BIOMETRIC TASK FORCE, United States Of America, <https://ewh.ieee.org/cmte/cistfbistc>, 2006 - Continues

Citations

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Invited Talks

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
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

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 ELETROTECHNICAL 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

Sađırođlu Ő., GOLD MEDAL, BuluŐlar Ve İcatlar Fuarı (İena 2010) , October 2010

Sađırođlu Ő., BULUŐCU ŐZEL ŐDŐLŐ, Polonya Patent Ofisi, October 2010

Entrepreneurship Activities

Limited, FUTURETECH, 01 January 2019, Founder Owner