Prof. MURAT DENER

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AHB-3583-2022

ScopusID: 57212000309

Yoksis Researcher ID: 42600

Biography

Prof. Dr. Murat DENER completed his undergraduate education at Gazi University, Faculty of Technical Education, Department of Electronic Computer Education in 2005. He received his MSc and PhD degrees from Gazi University, Institute of Informatics, Department of Electronic Computer Education in 2008 and 2012, respectively. He worked as a Res. Asst. between 2005 and 2012, and as a Dr. between 2012 and 2018 at Gazi University, Institute of Science and Technology as Informatics Coordinator and Quality Coordinator. He completed his military service at İzmir Narlıdere Fortification School in 2013. He received the title of Associate Professor in Computer Science and Engineering in 2018. He worked as an Associate Professor at Gazi University, Institute of Science between 2018 and 2020, and as an Associate Professor in Information Security Engineering at Gazi University, Institute of Science between 2020 and 2023, and has been serving as a Professor in the same department since 2023. Since 2020, he has been the Head of the Department of Information Security Engineering at the Institute of Science.

In 2011, he received English language training on writing and speaking at Georgia State University in the USA, where he was awarded an academic achievement award for his success. He also continued his doctoral studies at Georgia Tech University and led the team formed in the sensor network study established at the Georgia Tech stadium. In 2009, he worked in Greece within the scope of the EU project "Embed4Auto - UML Model Based Software Development in Automotive and Embedded Software Systems"; in 2011, he worked in Portugal within the scope of the EU project "Improving the Quality of Education with Distance Education System"; in 2012, he worked in Belgium within the scope of the EU project "Information Security Management System"; and in 2014, he worked in Germany within the scope of the EU project "New approaches to determining, designing and implementing wind energy potential". In 2013, he taught for a semester at the Hoca Ahmet Yesevi International Turkish-Kazakh University in Kazakhstan.

During his research and examinations, he found out that there was no company in Turkey that implemented the Wireless Sensor Networks that form the infrastructure of smart cities, that the applications were only included in articles, that the sensor nodes required for research projects were not available in Turkey, that they were imported from abroad, and that this required waiting for months. Therefore, he established a company in 2014 with the Technopreneurship Capital Support of the Ministry of Science, Industry and Technology, and in 2015, he produced the first sensor node in Turkey under the name of "WiSeN" and obtained its brand and patent. As a result of the applications developed with the produced sensor node, he won the Second Prize in the 2nd Business Idea Competition organized by Gazi University Technology Transfer Office in 2014, the Incentive Award in the 2nd Science Days Project Market Competition organized by Gazi University, the First Prize in the Young Entrepreneurship Category in the 3rd Entrepreneurship Campus organized by the Liyakat Association in 2015, and the First Prize in the Smart Buildings and Environment Category in the TET R&D Project Market, Project Spring 7 organized by the Electrical, Electronics and Service Exporters' Association in 2018. In 2014, he received the Turkish First Prize in the "Personal Achievement" category in the project titled "Ten Successful Young People of Turkey" organized by Junior Chamber International. He represented our country in the World First Prize organized in Japan and became one of the top 20 among 154 country winners.

He continues his education and training activities intensively, including undergraduate and graduate level courses and courses, and carries out many doctoral/master's thesis consultancy. His research areas include cyber security, data science, big data analytics, artificial intelligence, internet of things, smart cities, blockchain and neuroscience. He has more than 140 publications including International/National Articles, Proceedings and Book sections. He has served as a

consultant, executive and researcher in many international (EU) and national projects. He has editorial and referee activities in many international and national journals. Since 2023, he has been working as a Member of the Gazi University Rectorate Quality Commission and a Researcher at the High Performance Computational Neuroscience Laboratory at the Neuroscience and Neurotechnology Excellence Joint Application and Research Center.

Education Information

I. Doctorate, Gazi University, Bilişim Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı (Disiplinlerarası), Turkey 2008 - 2012

II. Doctorate, Georgia Institute of Technology, School of Electrical and Computer Engineering (Doktora Sırası Araştırma), United States Of America 2011 - 2011

III. Postgraduate, Gazi University, Bilişim Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı (Disiplinlerarası), Turkey 2005 - 2008

IV. Undergraduate, Gazi University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, Turkey 2001 - 2005

Foreign Languages

I. English, C1 Advanced

Dissertations

I. Doctorate, Kablosuz algılayıcı ağlarda güvenli bir veri bağı katmanı protokolü tasarımı ve gerçekleştirilmesi, Gazi University, Bilişim Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı (Disiplinlerarası), 2012

II. Postgraduate, KOBİ'lerde kapasite ihtiyaç planlaması için bir yazılım geliştirilmesi, Gazi University, Bilişim Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı (Disiplinlerarası), 2008

Research Areas

Information Systems, Communication and Control Engineering, Computer Sciences, algorithms, Information Security and Reliability, Computer Networks, Computer Vision, Equipment, Database and Data Structures, Artificial Intelligence, Computer Learning and Pattern Recognition, Software

Academic Titles / Tasks

I. Professor, Gazi University, Fen Bilimleri Enstitüsü, Information Security Engineering, 2023 - Continues

II. Professor, Gazi University, -, NÖROBİLİM VE NÖROTEKNOLOJİ MÜKEMMELİYET ORTAK UYGULAMA VE ARAŞTIRMA MERKEZİ (NÖROM) (OUAM-GAZİ,ANKARA ORTA DOĞU TEKNİK ÜNİVERSİTELERİ), 2023 - Continues

III. Associate Professor, Gazi University, Fen Bilimleri Enstitüsü, Information Security Engineering, 2018 - 2023

IV. Research Assistant PhD, Gazi University, Fen Bilimleri Enstitüsü, -, 2012 - 2018

V. Research Assistant, Gazi University, Fen Bilimleri Enstitüsü, -, 2005 - 2012

VI. Researcher, Georgia Institute of Technology, College of Engineering, School of Electrical and Computer Engineering, Georgia Tech, USA, 2011 - 2011

Academic and Administrative Experience

I. Rektörlük Kalite Komisyonu Üyesi, Gazi University, Fen Bilimleri Enstitüsü, -, 2023 - Continues
II. Bölüm Stratejik Plan Komisyonu Başkanı, Gazi University, Fen Bilimleri Enstitüsü, -, 2020 - Continues
III. Chairman of the Program Accreditation-Self-Assessment Commission, Gazi University, Fen Bilimleri Enstitüsü, -, 2020 - Continues
IV. Bölüm Kalite Komisyonu Başkanı, Gazi University, Fen Bilimleri Enstitüsü, -, 2020 - Continues
V. Erasmus Program Department Coordinator, Gazi University, Fen Bilimleri Enstitüsü, -, 2020 - Continues
VI. Gazi University, Fen Bilimleri Enstitüsü, Bilgi Güvenliği Mühendisliği Anabilim Dalı (Disiplinlerarası), 2020 - Continues

Courses

I. DEEP LEARNING TECHNIQUES AND APPLICATIONS IN CYBER SECURITY, Doctorate, 2024 - 2025
II. INTELLIGENT ADAPTIVE TRAFFIC SYSTEMS, Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021
III. BLOCKCHAIN SECURITY AND CRYPTO CURRENCIES, Doctorate, 2022 - 2023
IV. BIG DATA AND PERSONAL DATA SECURITY, Doctorate, 2020 - 2021
V. SECURITY IN WIRELESS SENSOR NETWORKS, Doctorate, 2020 - 2021
VI. COMPUTER PROGRAMMING I, Undergraduate, 2019 - 2020
VII. COMPUTER PROGRAMMING I, Undergraduate, 2019 - 2020
VIII. COMPUTER PROGRAMMING II, Undergraduate, 2020 - 2021
IX. COMPUTER PROGRAMMING II, Undergraduate, 2020 - 2021
X. VERİ TABANI YÖNETİM SİSTEMLERİ, Undergraduate, 2017 - 2018
XI. DATABASE MANAGEMENT SYSTEMS, Undergraduate, 2017 - 2018
XII. COMPUTER NETWORKS, Undergraduate, 2013 - 2014
XIII. OBJECT ORIENTED PROGRAMMING, Undergraduate, 2005 - 2006

Advising Theses

I. Dener M., Real-Time Video Stream Analysis and Malicious Activity Detection with Deep Learning Methods in Traffic Monitoring Cameras, Doctorate, E.DİLEK(Student), Continues
II. Dener M., Examining Visual Data Manipulation Attacks in the Healthcare Field with Deep Learning Models, Doctorate, C.OKUR(Student), Continues
III. Dener M., Designing Cyber Security Applications by Developing Blockchain Platform, Doctorate, S.YILMAZ(Student), Continues
IV. Dener M., Synthetic Speech Detection with Deep Learning Methods for Authentication Security, Doctorate, E.GÜL(Student), Continues
V. Dener M., Benchmarking of Deep Learning Models Against Adversarial Attacks in Medical Image Analysis, Postgraduate, G.OK(Student), 2024
VI. Dener M., Analysis and Detection of DDoS Attacks Occurring in IoT in Big Data Environment Using Deep Learning Methods, Postgraduate, S.YARAŞ(Student), 2024
VII. Dener M., Malware Detection Using Consensus Learning and Specialized Classifiers, Postgraduate, S.GÜLBURUN(Student), 2022
VIII. Dener M., Sönmez Y., Benchmarking of Deep Learning Models for Android Malware Analysis, Postgraduate, T.KURAL(Student), 2022
IX. Dener M., Detection of DOS Attacks Occurring at Network Layer with Deep Learning Methods in Wireless Sensor Networks, Postgraduate, C.OKUR(Student), 2022

Jury Memberships

I.   Associate Professor Exam, Associate Professor Exam, ÜAK, July, 2024
II.   Committee Of Expert, Committee Of Expert, Ankara İdare Mahkemesi, July, 2024
III.   Associate Professor Exam, Associate Professor Exam, ÜAK, June, 2024
IV.   Post Graduate, Post Graduate, Gazi Üniversitesi, June, 2024
V.   Associate Professor Exam, Associate Professor Exam, ÜAK, May, 2024
VI.   Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, May, 2024
VII.   Post Graduate, Post Graduate, Gazi Üniversitesi, January, 2024
VIII.   Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, December, 2023
IX.   Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, December, 2023
X.   Doctorate, Doctorate, Gazi Üniversitesi, October, 2023
XI.   Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, May, 2023
XII.   Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, May, 2023
XIII.   Competition, TEKNOFEST Aerospace and Technology Festival, Gazi Üniversitesi, January, 2023
XIV.   Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, December, 2022
XV.   Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kütahya Sağlık Bilimleri
        Üniversitesi, July, 2022
XVI.   Doctorate, Doctorate, Gazi Üniversitesi, July, 2022
XVII.   Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, May, 2022
XVIII. Post Graduate, Post Graduate, Gazi Üniversitesi, February, 2022
XIX.   Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, December, 2021
XX.   Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, May, 2021
XXI.   Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, December, 2020
XXII.   Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Düzce Üniversitesi,
        November, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

I.   **Symmetrical Resilience: Detection of Cyber Attacks for SCADA Systems used in IIoT in Big Data
        Environment**
        Okur C., Dener M.
        SYMMETRY, pp.1-20, 2024 (SCI-Expanded)
II.   **Security with Wireless Sensor Networks in Smart Grids: A Review**
        Yılmaz S., Dener M.
        SYMMETRY, pp.1-20, 2024 (SCI-Expanded)
III.   **IoT-Based Intrusion Detection System Using New Hybrid Deep Learning Algorithm**
        Yaras S., DENER M.
        ELECTRONICS, vol.13, no.6, 2024 (SCI-Expanded)
IV.   **WSN-BFSF: A New Data Set for Attacks Detection in Wireless Sensor Networks**
        DENER M., Okur C., Al S., ORMAN A.
        IEEE INTERNET OF THINGS JOURNAL, vol.11, no.2, pp.2109-2125, 2024 (SCI-Expanded)
V.   **Enhancement of Video Anomaly Detection Performance Using Transfer Learning and Fine-Tuning**
        Dilek E., DENER M.
        IEEE ACCESS, vol.12, pp.73304-73322, 2024 (SCI-Expanded)
VI.   **Computer Vision Applications in Intelligent Transportation Systems: A Survey**
        Dilek E., Dener M.
        Sensors, vol.23, no.6, 2023 (SCI-Expanded)
VII.   **BBAP-WSN: A New Blockchain-Based Authentication Protocol for Wireless Sensor Networks**
        Dener M., Orman A.
        APPLIED SCIENCES-BASEL, vol.13, no.3, 2023 (SCI-Expanded)

VIII.   **Clustering-Aided Supervised Malware Detection with Specialized Classifiers and Early Consensus**
DENER M., Gulburun S.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.75, no.1, pp.1235-1251, 2023 (SCI-Expanded)

IX.   **RFSE-GRU: Data Balanced Classification Model for Mobile Encrypted Traffic in Big Data Environment**
Dener M., Al S., Ok G.
IEEE ACCESS, vol.11, pp.21831-21847, 2023 (SCI-Expanded)

X.   **SDA-RDOS: A New Secure Data Aggregation Protocol for Wireless Sensor Networks in IoT Resistant to DOS Attacks**
Dener M.
ELECTRONICS, vol.11, no.24, 2022 (SCI-Expanded)

XI.   **Malware Detection Using Memory Analysis Data in Big Data Environment**
DENER M., Ok G., ORMAN A.
APPLIED SCIENCES-BASEL, vol.12, no.17, 2022 (SCI-Expanded)

XII.   **STLGBM-DDS: An Efficient Data Balanced DoS Detection System for Wireless Sensor Networks on Big Data Environment**
DENER M., Al S., ORMAN A.
IEEE ACCESS, vol.10, pp.92931-92945, 2022 (SCI-Expanded)

XIII.   **STL-HDL: A new hybrid network intrusion detection system for imbalanced dataset on big data environment**
Al S., DENER M.
COMPUTERS & SECURITY, vol.110, 2021 (SCI-Expanded)

XIV.   **A New Energy Efficient Hierarchical Routing Protocol for Wireless Sensor Networks**
DENER M.
WIRELESS PERSONAL COMMUNICATIONS, vol.101, no.1, pp.269-286, 2018 (SCI-Expanded)

XV.   **WiSeN: A new sensor node for smart applications with wireless sensor networks**
Dener M.
COMPUTERS & ELECTRICAL ENGINEERING, vol.64, pp.380-394, 2017 (SCI-Expanded)

XVI.   **Practical Implementation of an Adaptive Detection-Defense Unit against Link Layer DoS Attacks for Wireless Sensor Networks**
DENER M., BAY Ö. F.
SECURITY AND COMMUNICATION NETWORKS, 2017 (SCI-Expanded)

XVII.   **TeenySec: a new data link layer security protocol for WSNs**
DENER M., BAY Ö. F.
SECURITY AND COMMUNICATION NETWORKS, vol.9, no.18, pp.5882-5891, 2016 (SCI-Expanded)

XVIII.   **A SECURE MONITORING SYSTEM DESIGN FOR WIRELESS SENSOR NETWORKS**
Dener M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.29, no.4, pp.745-754, 2014 (SCI-Expanded)

XIX.   **Security Analysis in Wireless Sensor Networks**
Dener M.
INTERNATIONAL JOURNAL OF DISTRIBUTED SENSOR NETWORKS, 2014 (SCI-Expanded)

XX.   **GENETIC ALGORITHM BASED A NEW ALGORITHM FOR TIME DYNAMIC SHORTEST PATH PROBLEM**
DENER M., AKCAYOL M. A., Toklu S., BAY Ö. F.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.4, pp.915-928, 2011 (SCI-Expanded)

Articles Published in Other Journals

I.   **DarkWEB Traffic Detection and Classification Using Machine Learning Method**

İlgün E. G., Sönmez Y., Dener M.

Gazi Mühendislik Bilimleri Dergisi, vol.9, no.4, pp.126-140, 2023 (Peer-Reviewed Journal)

II. DETAILED ANALYSIS OF SYBIL ATTACK IN WIRELESS SENSOR NETWORKS

Orman A., Üstün Y., Dener M.

Uluslararası Sürdürülebilir Mühendislik ve Teknoloji Dergisi, vol.7, no.1, pp.41-54, 2023 (Peer-Reviewed Journal)

III. The Effect of Mobility in MANET on the Performance of AODV, DSR and DSDV Protocols

Orman A., Doğanay H. A., Dener M.

Gazi Mühendislik Bilimleri Dergisi, vol.9, no.2, pp.227-237, 2023 (Peer-Reviewed Journal)

IV. EECHEP: Energy efficient cluster head election protocol for extending lifetime of heterogeneous sensor networks

DİLEK E., DENER M.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.29, no.4, pp.17, 2023 (ESCI)

V. Big Data Visualization for Cyber Security: BETH Dataset Siber Güvenlik Amaçlı Büyük Veri Görselleştirme: BETH Veri Seti

Doğanay M. A., ORMAN A., DENER M.

El-Cezeri Journal of Science and Engineering, vol.9, no.4, pp.1572-1582, 2022 (Scopus)

VI. Grid Based Clustering Design and Implementation in Wireless Sensor Networks with Neighborhood Approach

Uğurlu M., Orman A., Dener M.

Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.10, no.2022, pp.1302-1312, 2022 (Peer-Reviewed Journal)

VII. A Review on Challenges in Cloud Computing Security and Recent Researchs

Gülburun S., Dener M.

Bilişim Teknolojileri Dergisi, vol.15, no.1, pp.45-53, 2022 (Peer-Reviewed Journal)

VIII. Performance Analysis of Machine Learning Algorithms for Malware Detection by Using CICMalDroid2020 Dataset

Sönmez Y., Salman M., Dener M.

Düzce University Journal of Science and Technology, vol.9, no.6, pp.280-288, 2021 (Peer-Reviewed Journal)

IX. Android Malware Analysis and Benchmarking with Deep Learning

Kural T., Sönmez Y., Dener M.

Düzce University Journal of Science and Technology, vol.9, no.6, pp.289-302, 2021 (Peer-Reviewed Journal)

X. Analyzing Performance of Machine Learning Algorithms for Malware Detection in Big Data Platforms

GÜLBURUN S., DENER M.

El-Cezerî Journal of Science and Engineering, vol.8, pp.1536-1549, 2021 (Scopus)

XI. Detection of DOS Attacks Using Machine Learning Methods in Wireless Sensor Networks

OKUR C., DENER M.

El-Cezerî Journal of Science and Engineering, vol.8, pp.1550-1564, 2021 (Scopus)

XII. A New Home Gateway Design and a Sensor-Based Smart Home Application Including Privacy Protection

DENER M.

International Journal of Informatics Technologies, 2019 (Peer-Reviewed Journal)

XIII. Smart City Companies in Turkey

DENER M.

The Eurasia Proceedings of Educational Social Sciences (EPESS), 2018 (Peer-Reviewed Journal)

XIV. Comparison of Encryption Algorithms in Wireless Sensor Networks

DENER M.

ITM Web of Conferences, 2018 (Peer-Reviewed Journal)

XV. Solving the Exam Scheduling Problems in Central Exams with Genetic Algorithms

DENER M., CALP M. H.

Mugla Journal of Science and Technology, 2018 (Peer-Reviewed Journal)

XVI. Kablosuz Sensör Ağlar ile Yeri Tespit Edilen Doktorların Konum Bilgilerinin Android ve Web Tabanlı

Platformlar Üzerinden Görüntülenmesi
DENER M.
BİLİŞİM TEKNOLOJİLERİ DERGİSİ, 2018 (Peer-Reviewed Journal)

XVII. **Development a New Intelligent System for Monitoring Environment Information using Wireless Sensor Networks**
DENER M.
International Journal of Intelligent Systems and Applications in Engineering, 2017 (Peer-Reviewed Journal)

XVIII. **Intelligent transportation systems and traffic management in wireless sensor networks**
DENER M.
PressAcademia Procedia, 2017 (Peer-Reviewed Journal)

XIX. **Intelligent Home System Design Using Wireless Sensor Networks**
DENER M.
International Journal of Advances in Electronics and Computer Science, 2017 (Peer-Reviewed Journal)

XX. **Displaying of data's of developed environmentally intelligent systems using wireless sensor networks on android platforms**
DENER M.
PressAcademia Procedia, 2017 (Peer-Reviewed Journal)

XXI. **A New Gateway Node for Wireless Sensor Network Applications**
Dener M.
Scientific Research and Essays, vol.1, no.1, 2016 (Peer-Reviewed Journal)

XXII. **Mobile and Web Architectures of Vehicle Tracking and Human Object Tracking Systems in Wireless Sensor Networks**
Dener M.
Journal of Advances in Computer Networks, vol.1, no.1, 2016 (Peer-Reviewed Journal)

XXIII. **Intelligent MAC and Routing Protocols for Wireless Sensor Networks**
DENER M.
Journal of Advances in Computer Networks, 2016 (Peer-Reviewed Journal)

XXIV. **Sharing of Color and Infrared Temperature DataUsing Wireless Sensor Networks**
DENER M.
International Journal of Research in Engineering and Technology, 2016 (Peer-Reviewed Journal)

XXV. **Monitoring and Controlling of Temperature Humidity andPressure Information in Food Pharmaceutical andMaterial Stores Using Wireless Sensor Networks**
DENER M.
International Journal of Research in Engineering and Technology, 2016 (Peer-Reviewed Journal)

XXVI. **Ulusal Veritabanı ve Atıf İndeksi Kurulumu için Stratejiler, Problemler ve Çözüm Önerileri**
SAĞIROĞLU Ş., DENER M., GÜNEŞ S., GÜLLÜ A., TATAROĞLU A., ORMAN A., SİNANÇ D., TERZİ R., ŞAHİN H., ÇETİNYOKUŞ S., et al.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.3, no.2, pp.501-512, 2015 (Peer-Reviewed Journal)

XXVII. **Ulusal Veritabanı ve Atıf indeksi Kurulumu için Stratejiler Problemler ve Çözüm Önerileri**
SAĞIROĞLU Ş., DENER M., Güneş S., GÜLLÜ A., TATAROĞLU A., ORMAN A., SİNANÇ D., TERZİ R., ŞAHİN H., Çetinyokuş S., et al.
Gazi Üniversitesi Fen Bilimleri Dergisi Part:C Tasarım ve Teknoloji, vol.3, no.2, pp.501-512, 2015 (Peer-Reviewed Journal)

XXVIII. **Strategies Problems and Solutions for the Development of National Database and Citation Index**
SAĞIROĞLU Ş., DENER M., GÜNEŞ S., GÜLLÜ A., TATAROĞLU A., ORMAN A., SİNANÇ D., TERZİ R., ŞAHİN H., ÇETİNYOKUŞ S., et al.
Gazi Üniversitesi Fen Bilimleri DergisiPart:C, Tasarım Ve Teknoloji, 2015 (Peer-Reviewed Journal)

XXIX. **SHARING OF COMPASS SENSOR DATA OVER NETWORK IN WIRELESS SENSOR NETWORK**
DENER M., Bostancıoğlu C.
International Journal of Advances in Science Engineering and Technology, 2015 (Peer-Reviewed Journal)

XXX. ENSURING OF SAFE TRANSPORT OF GOODS AND CARGOS AND MONITORING OF VIBRATION LEVELS USING WIRELESS SENSOR NETWORKS
DENER M., Bostancıoğlu C.
International Journal of Advances in Science Engineering and Technology, 2015 (Peer-Reviewed Journal)

XXXI. An Android Based Mobile Application for Sms Encryption Using AES Algorithm
ÇALIŞKAN H., DENER M.
ULUSLARARASI BİLGİ GÜVENLİĞİ MÜHENDİSLİĞİ DERGİSİ, vol.1, pp.26-31, 2015 (Peer-Reviewed Journal)

XXXII. A Security Solution Approach for Cognitive Wireless Sensor Networks
DENER M.
International Journal of Networking and Communication, 2014 (Peer-Reviewed Journal)

XXXIII. Medium Access Control Protocols For Wireless Sensor Networks: Literature Survey
DENER M., BAY Ö. F.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.25, no.2, pp.455-464, 2012 (ESCI)

XXXIV. KOBİ'lere Yönelik Ürün Kodlama Sistemi ve Yazılımının Geliştirilmesi
BAY Ö. F., DENER M., DÖRTERLER M.
NWSA-Engineering Sciences, vol.5, no.2, pp.160-171, 2010 (Peer-Reviewed Journal)

XXXV. KOBİ'lerde Satın Alma Yönetimi İçin Bir Yazılım Geliştirilmesi
DENER M., DÖRTERLER M., BAY Ö. F.
NWSA-Technological Applied Sciences, vol.5, no.3, pp.267-278, 2010 (Peer-Reviewed Journal)

XXXVI. Software Development of a Purchasing Management for Sme's
DENER M., DÖRTERLER M., BAY Ö. F.
Technological Applied Sciences, 2010 (Peer-Reviewed Journal)

XXXVII. Development of an Application for Information Trustworthiness on Internet
DENER M.
E-Journal of New World Sciences Academy Natural and Applied Sciences, 2010 (Peer-Reviewed Journal)

XXXVIII. Development of a Product Identification System and Software for Sme s
DENER M.
E-Journal of New World Sciences Academy Natural and Applied Sciences, 2010 (Peer-Reviewed Journal)

XXXIX. DSDV ve DSR Manet Yönlendirme ProtokollerininBaşarım Değerlendirmesi
DENER M., TOKLU S.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.12, no.3, pp.157-166, 2009 (Peer-Reviewed Journal)

XL. Performance Evaluation of DSDV and DSR Manet Routing Protocols
DENER M., TOKLU S.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.12, no.3, pp.157-166, 2009 (ESCI)

XLI. Development of a Thesis Search Engine By Search Engine Optimizer
DENER M.
E-Journal of New World Sciences Academy Natural and Applied Sciences, 2009 (Peer-Reviewed Journal)

Books & Book Chapters

I. Performance Analysis of Machine Learning Algorithms for Intrusion Detection in Wireless Sensor Networks
Ok G., Sönmez Y., Dener M.
in: Innovative Methods in Computer Science and Computational Applications in the Era of Industry 5.0 , D. Jude Hemanth, Editor, Springer Nature, Zürich, pp.1-30, 2024

II. Bilgi Güvenliğine Giriş
Dener M.
in: Bilişim Teknolojileri Güvenliği, NURSEL YALÇIN,HÜSEYİN ÇAKIR, Editor, Nobel Yayınevi, Ankara, pp.1-25, 2023

III. DDOS Intrusion Detection with Machine Learning Models: N-BaIoT Data Set

Okur C., Orman A., Dener M.

in: Engineering Cyber-Physical Systems and Critical Infrastructures, D. Jude Hemanth, Editor, Springer Nature, Zürich, pp.607-619, 2023

IV. **Big Data Security**

Dener M.

in: ENGINEERING AND ARCHITECTURE SCIENCES Theory, Current Research and New Trends/2, Dr. Emine Yıldız KUYRUKÇU, Editor, IVPE, Ankara, pp.1, 2020

V. **Smart Campuses and Campus Security**

Dener M.

in: Academic Studies in Engineering Sciences, Assoc. Prof. Dr. Halil İbrahim Kurt, Editor, Livre de Lyon, Ankara, pp.1, 2020

VI. **A Model Proposal for Digital Transformation of Cities**

Dener M.

in: Theory and Research in Engineering, Prof. Dr. Adnan Hayaloğlu, Editor, Gece Publishing, Ankara, pp.1, 2020

VII. **Current Studies on Wireless Sensor Networks**

Dener M.

in: Theory and Research in Engineering, Prof. Dr. Adnan Hayaloğlu, Editor, Gece Publishing, Ankara, pp.1, 2020

VIII. **Artificial Intelligence Applications in Smart Cities**

Dener M.

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X. **Smart City Applications in Turkey**

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I. **Analysis of Sleep Health and Lifestyle Data with Machine Learning Methods**

Jolaq A. S. A., Tekin U., Yılmaz T., Dener M.

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II. **Leveraging Transformer Models for Video Anomaly Detection: A Survey**

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Okur C., Orman A., Dener M.
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X. **Big Data Visualization for Cyber Security: Beth Dataset**
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Azerbaijan, 01 May 2022

XI. **Malware Detection Using Consensus Learning and Specialized Classifiers**
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XII. **The Effect of Mobility in Wireless Sensor Networks on the Performance of AODV, DSR and DSDV Protocols**
Doğanay H. A., Orman A., Dener M.
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XIII. **Processing Honeypot Logs with Big Data and Data Visualization via Hadoop- Power BI Integration**
Tok M. S., Dener M., Demirci M.
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XIV. **Android Malware Analysis and Benchmarking with Deep Learning**
Kural T., Sönmez Y., Dener M.
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XV. **Grid Based Clustering Design and Implementation with Neighborhood Approach in Wireless Sensor Networks**
Uğurlu M., Orman A., Dener M.
3rd International Conference on Artificial Intelligence and Applied Mathematics in Engineering, Antalya, Turkey, 1 -
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XVI. **Wormhole Attacks in IoT Based Networks**
TATAR E. E., DENER M.
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XVII. **Anomaly Detection on Bitcoin Values**
TATAR E. E., DENER M.
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XVIII. **Analysis of Handwritten Characters Using Deep Learning Methods**
OKUR C., DENER M.
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XIX. **Wormhole Attacks in IoT Based Networks**
Tatar E. E., DENER M.
6th International Conference on Computer Science and Engineering, UBMK 2021, Ankara, Turkey, 15 - 17 September 2021, pp.478-482

XX. **Performance Comparison of AODV and DSR Routing Protocols**
OKUR C., DENER M.
V. International Scientific and Vocational Studies Congress – Engineering, 12 - 15 December 2020

XXI. **Sensor and Gps-Based Wristband Development and Determining the People with Its Contact of the Patient Diagnosed of Coronavirus (Covid-19) with Decision Information System Including Artificial Intelligence Technology**
DENER M.
9th International Scientific Research Congress, 12 - 13 December 2020

XXII. **Smart Transportation Systems: A Review on Smart Roads**
KARAGÖZ M. N., DENER M.
International Congress of Academic Research, 7 - 09 December 2020

XXIII. **Detecting IoT Botnet Attacks Using Machine Learning Methods**
OKUR C., DENER M.
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XXIV. **Deep Learning: Methods and Application Areas**
DENER M.
7th International Symposium on Academic Studies in Science, Engineering and Architecture Sciences, 15 - 17 November 2019

XXV. **Natural Language Processing: Problems and Solutions**
DENER M.
7th International Symposium on Academic Studies in Science, Engineering and Architecture Sciences, 15 - 17 November 2019

XXVI. **Big Data in Smart Cities**
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IV. International Scientific and Vocational Studies Congress – Engineering, 7 - 10 November 2019

XXVII. **Multi Criteria Decision Making Methods and Application Examples**
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XXVIII. **Mobile Security: A Comprehensive Analysis**
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XXIX. **Cyber Security for Smart Cities**
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XXX. **The Role of Cloud Computing in Smart Cities**
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XXXI. **Smart City Services**
DENER M.
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XXXII. **Information Security in Smart Cities**
DENER M.
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2019

XXXIII. **IoT Technologies for Smart Cities**
DENER M.
4th International Conference on Computational Mathematics and Engineering Sciences, 20 - 22 April 2019

XXXIV. **Smart Cities: Challenges and the Informations that Needs Attention**
DENER M.
Erasmus International Academic Research Symposium, 5 - 06 April 2019

XXXV. **A New Comprehensive Intelligent Security System Design for Critical and Important Areas**
DENER M.
5th International Symposium on Multidisciplinary Studies (ISMS), 16 - 17 November 2018

XXXVI. **Developing a Low-Cost Security System with Wireless Sensor Networks**
DENER M.
2018 International Conference on Advances in Computing and Communication Engineering, ICACCE 2018, Paris, France, 22 - 23 June 2018, pp.69-73

XXXVII. **Smart City Applications in Turkey**
DENER M.
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XXXVIII. **Smart City Companies in Turkey**
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XXXIX. **Comparison of Encryption Algorithms in Wireless Sensor Networks**
Dener M.
3rd International Conference on Computational Mathematics and Engineering Sciences (CMES), Girne, Cyprus (Kktc), 4 - 06 May 2018, vol.22

XL. **Sim900 Gsm/Gprs Module Based Intelligent Door-Lighting System Design**
DENER M.
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XLI. **Displaying of Data's of Developed Environmentally Intelligent Systems Using Wireless Sensor Networks on Android Platforms**
DENER M.
2nd World Conference on Technology, Innovation and Entrepreneurship, 12 - 14 May 2017

XLII. **Intelligent Transportation Systems and Traffic Management in Wireless Sensor Networks**
DENER M.
2nd World Conference on Technology, Innovation and Entrepreneurship, 12 - 14 May 2017

XLIII. **Developing Intelligent Systems with Capacitive Touch Sensor Using Wireless Sensor Networks**
DENER M.
5th International Conference on Advanced Technology Sciences, Turkey, 9 - 12 May 2017

XLIV. **Monitoring of Environmental Information with Wireless Sensor Networks**
DENER M.
4th International Conference on Engineering Technology, Computer, Basic Applied Sciences, 22 - 23 April 2017

XLV. **Kablosuz Sensör Ağları Kullanılarak Geliştirilen Akıllı Ev Sistemlerinin Web Ortamında Görüntülenmesi**
DENER M., özkök y.
19. Akademik Bilişim Konferansı, Turkey, 8 - 10 February 2017

XLVI. **Intelligent Home System Design Using Wireless Sensor Networks**
DENER M.
48th International Conference on Internet Technologies and Society(ICITS), 26 - 27 December 2016

XLVII. **Monitoring and Controlling of Temperature Humidity andPressure Information in Food Pharmaceutical and MaterialStores Using Wireless Sensor Networks**
DENER M.
International Conference on "Modern Trends in Engineering Technology" (MTET-16), 18 - 19 April 2016

XLVIII. **Sharing of Color and Infrared Temperature DataUsing Wireless Sensor Networks**
DENER M.
International Conference on "Modern Trends in Engineering Technology" (MTET-16), 18 - 19 April 2016

XLIX. **Yazılım alanında Bilgisayar programcılarının Türkiye deki önemi ve rolleri**
Özkök Y., DENER M.
18. Akademik Bilişim Konferansı, Turkey, 1 - 05 February 2016

L. **Fire Detections Systems in Wireless Sensor Networks**
DENER M., Özkök Y., Bostancıoğlu C.
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LI. **Smart Techologies with Wireless Sensor Networks**
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LII. **Açık Kaynak Web Dergilerinin Android Tabanlı Mobil Uygulaması**
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LIV. **Uzaktan Erişim Sağlanabilen Modemlerin GüvenlikRisk Analizi**
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LV. **Sharing of Compass Sensor Data over Network in Wireless Sensor Networks**
BAY Ö. F., DENER M., DÖRTERLER M.
International Conference on Recent Advances in Engineering and Technology (ICRAET-2015), 19 February 2015

LVI. **Ensuring of Safe Transport of Goods and Cargos and Monitoring of Vibration levels using Wireless Sensor Networks**
DENER M., Bostancıoğlu C.
International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (ICTAEECE), İstanbul, Turkey, 19 February 2015

LVII. **Smart Technologies with Wireless Sensor Networks**
DENER M., Bostancioglu C.
World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 28 - 30 May 2015, pp.1915-1921

LVIII. **Fire Detection Systems in Wireless Sensor Networks**
Dener M., Ozkok Y., Bostancioglu C.
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LIX. **Creating Scenarios and Using for Smart Systems Generated with Wireless Sensor Networks**
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LX. **Optimum packet length over data transmission for wireless sensor networks**
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8th International Conference on Sensing Technology, ICST 2014, Liverpool, England, 2 - 04 September 2014, vol.2014-January, pp.52-56

LXI. **Data Communication Between Motes on Wireless Sensor Networks**
BAY Ö. F., DENER M., DÖRTERLER M.
Sixth International Advanced Technologies Symposium, 16 - 18 May 2011

LXII. **İnsan Bilgisayar Etkileşiminde Web Kullanılabilirliği: Bir Uygulama Çalışması**
DENER M., DÖRTERLER M.
3. Uluslararası Bilgisayar ve Öğretim Teknolojilleri Sempozyumu, Trabzon, Turkey, 7 - 09 October 2009, pp.39-43

LXIII. **Açık Kaynak Kodlu Öğretim Yönetim Sistemlerinin Etkileşim Düzeylerinin Karşılaştırılması**
DÖRTERLER M., DENER M.
3. Uluslararası Bilgisayar ve Öğretim Teknolojlleri Sempozyumu, Trabzon, Turkey, 7 - 09 October 2009, pp.1338-1343

LXIV. **KOBİ'xxlerde Malzeme İhtiyaç Planlaması için bir Yazılım Geliştirilmesi**
BAY Ö. F., DENER M., DÖRTERLER M.
5. Kobiler ve Verimlilik Kongresi, İstanbul, Turkey, 25 - 20 November 2008, pp.385-396

LXV. **Açık Kaynak Kodlu Veri Madenciliği Programları: WEKA'da Örnek Uygulama**
DENER M., DÖRTERLER M., ORMAN A.
XI. Akademik Bilişim Konferansı, Şanlıurfa, Turkey, 11 - 13 February 2009

LXVI. **Açık Kaynak Kodlu Veri Madenciliği Programları WEKA da Örnek Uygulama**
Bay Ö. F., Dener M., Dörterler M.
11. Akademik Bilişim Konferansı, Şanlıurfa, Turkey, 11 - 13 February 2009

LXVII. **Comparision Interaction Design of Learning Management System on Distanct Education**
DÖRTERLER M., DENER M.
Third International Computer and Educational Technologies Semposium, 01 January 2009

LXVIII. **Web Usability on Human ComputerInteraction: An Example Application**
DENER M., DÖRTERLER M.
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BAY Ö. F., DENER M., DÖRTERLER M.
5. Kobi'ler ve Verimlilik Kongresi, Turkey, 25 - 26 November 2008

Supported Projects

I. SAĞIROĞLU Ş., KARA A., DEMİRCİ M. S., DENER M., DEMİRCİ M., ATAY Y., Project Supported by Higher Education Institutions, Akıllı Şebekeler için Zeki Siber Güvenlik Çözümleri Geliştirme, 2022 - Continues

II. Dener M., Boran F. E., Durmuş Şenyapar H. N., Project Supported by Higher Education Institutions, Analysis and Visualization of Big Data Obtained with the help of Web of Science API Expanded, 2023 - 2025

III. Dener M., TUBITAK Project, Trafik Gözlem Kameralarında Derin Ögrenme Yöntemleriyle Gerçek Zamanlı Video Akısı Analizi Ve Kötücül Aktivite Tespiti, 2023 - 2024

IV. Dener M., Technopark, Performans tabanlı, hızlı-verimli, kanıtlanabilir güvenlik sunan, düşük güç/işlemci/bellek gereksinimi duyan, farklı kablosuz sensör düğüm platformlarında çalışabilen modüler tabanlı güvenli kriptografik algoritmalar ve yazılımlarının gerçeklenmesi, 2020 - 2021

V. Dener M., Technopark, Hassas Tarımda Kablosuz Sensör Ağ Teknolojilerinin Uygulanması, 2017 - 2019

VI. Dener M., Project Supported by Higher Education Institutions, Kablosuz Sensör Ağlar ile Ortam Bilgilerinin İzlenmesi Kontrolü ve Güvenliği, 2015 - 2017

VII. DENER M., Project Supported by Higher Education Institutions, Kablosuz Sensör Ağlar ile Ortam Bilgilerinin İzlenmesi, Kontrolü ve Güvenliği, 2015 - 2017

VIII. Dener M., KOSGEB, Kablosuz Sensör Ağları Uygulamalarının Gerçekleştirilmesi, 2015 - 2016

IX. Dener M., Technopark, Kablosuz Sensör Düğüm Üretimi Sensör Düğümlerden Gelen Verileri Uzak İstasyonlara Gönderme ve Sensör Düğümler için Modüler Programlama Yazılımının Gerçekleştirilmesi, 2015 - 2015

X. Dener M., Premiership, Kablosuz Sensör Ağları Uygulamalarının Gerçekleştirilmesi, 2014 - 2015

Patent

I. Dener M., Yeni Bir Kablosuz Sensör Düğümü Yapılanması, Patent, CHAPTER H Electricity, The Invention Registration Number: 2015 , Standard Registration, 2015

Activities in Scientific Journals

I. El-Cezeri Journal of Science and Engineering, Editor, 2020 - Continues
II. Advances in Computers and Electronics , Committee Member, 2019 - Continues
III. Archives of Current Research International, Editor, 2018 - Continues
IV. International Journal of Computer Engineering Research , Committee Member, 2018 - Continues
V. International Journal of Forensic Software Engineering, Committee Member, 2018 - Continues
VI. Gazi University Journal of Science, Assistant Editor/Section Editor, 2017 - Continues
VII. Uluslararası Bilgi Güvenliği Mühendisliği Dergisi, Scientific Committee Membership, 2015 - Continues

Metrics

Publication: 142
Citation (WoS): 253
Citation (Scopus): 382
H-Index (WoS): 9
H-Index (Scopus): 10

Awards

I. Dener M., TET AR-GE Proje Pazarı, Proje Baharı 7, Akıllı Binalar ve Çevre Kategorisinde Birincilik Ödülü, Elektrik Elektronik Ve Hizmet İhracatçıları Birliği, December 2018
II. Dener M., Genç Girişimcilik Kategorisinde Birincilik Ödülü, Iıı. Girişim Kampüsü, July 2015
III. Dener M., Ten Outstanding Young Persons Of the World, Junior Chamber International , August 2014
IV. Dener M., II. Bilim Günleri Proje Pazarı Yarışması, Teşvik Ödülü, Gazi Üniversitesi , January 2014
V. Dener M., II. İş Fikri Yarışması, İkincilik Ödülü, Gazi Üniversitesi, Teknoloji Transfer Ofisi, January 2014
VI. Dener M., "Rüzgâr enerjisi potansiyelinin belirlenmesi, projelendirilmesi ve uygulamaya yönelik yeni yaklaşımlar "- Teşekkür Belgesi, Leonardo Da Vinci Programı, Essen, Almanya, January 2014
VII. Dener M., Teşekkür Belgesi, Hoca Ahmet Yesevi Uluslararası Türk-Kazak Üniversitesi, Türkistan, Kazakistan, January 2013
VIII. Dener M., "Bilgi Güvenliği Yönetim Sistemi" - Teşekkür Belgesi, Leonardo Da Vinci Programı, Brüksel, Belçika, January 2012
IX. Dener M., "Uzaktan Eğitim Sistemi ile Eğitim Kalitesinin Arttırılması" - Teşekkür Belgesi, Leonardo Da Vinci Programı, Lizbon, Portekiz, January 2011
X. Dener M., Academic Achievement Award, Georgia State University, Atlanta, Georgia, Usa, January 2011
XI. Dener M., "Embed4Auto - Otomotiv ve Gömülü Yazılım Sistemlerinde UML Model Tabanlı Yazılım Geliştirilmesi" - Teşekkür Belgesi, Leonardo Da Vinci Programı, Selanik, Yunanistan , January 2009

Non Academic Experience

I. YENİ ÇAĞ TEKNOLOJİLERİ BİL. ELEKT. MÜH. DAN. EĞT. İTH. İHR. SAN. VE TİC. LTD. ŞTİ.
II. Georgia Institute of Technology, School of Electrical and Computer Engineering