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International Researcher IDs

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Education Information

Doctorate, İstanbul University-Cerrahpaşa, Lisansüstü Eğitim Enstitüsü,
Bilgisayar Mühendisliği (Dr), Turkey 2021 - Continues

Postgraduate, Istanbul University, Fen Bilimleri Enstitüsü, Bilgisayar
Mühendisliği (Yl) (Tezli), Turkey 2014 - 2017

Undergraduate, Istanbul Aydın University, Mühendislik Fakültesi,
Bilgisayar Mühendisliği Bölümü, Turkey 2008 - 2013

Foreign Languages

English, C2 Mastery

Dissertations

Postgraduate, TÜRKİYE'DEKİ SİBER GÜVENLİK BİLİNCİ VE SOSYALMÜHENDİSLİK ATAKLARINA KARŞI
SAVUNMAÖNLEMLERİNİN GELİŞTİRİLMESİ, Istanbul University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Yl)
(Tezli), 2017

Research Areas

Hiding Information, Information System Reliability, Hardware Security, Cryptography, Software Security, Knowledge
Engineering, Automated Problem Solving, Theorem Proving and Logical Reasoning

Academic Titles / Tasks

Research Assistant, Istanbul Gelisim University, FACULTY OF ENGINEERING AND ARCHITECTURE, COMPUTER
ENGINEERING, 2015 - Continues

Academic and Administrative Experience

Assistant Manager of Research and Application Center, Istanbul Gelisim University, FACULTY OF ENGINEERING AND ARCHITECTURE, COMPUTER ENGINEERING, 2023 - Continues
Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Istanbul Gelisim University, FACULTY OF ENGINEERING AND ARCHITECTURE, COMPUTER ENGINEERING, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Machine learning-based identification of cybersecurity threats affecting autonomous vehicle systems**
Onur F., Gönen S., Barışkan M. A., Kubat C., Tunay M., Yılmaz E. N.
Computers and Industrial Engineering, vol.190, 2024 (SCI-Expanded)
- II. **Real-Time Cyber Attack Detection Over HoneyPi Using Machine Learning**
Alhan B., Gönen S., Karacayılmaz G., Barışkan M. A., YILMAZ E. N.
Tehnicki Vjesnik, vol.29, no.4, pp.1394-1401, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **Artificial Intelligence Supported Detection Systems on Embedded Devices**
Alniacik F., Yıldırım F., Gönen S., Alhan B., Barışkan M. A., Sayan H. H., Yılmaz E. N.
El-Cezeri Journal of Science and Engineering, vol.11, no.1, pp.109-119, 2024 (Scopus)
- II. **A Novel Approach to Prevention of Hello Flood Attack in IoT Using Machine Learning Algorithm**
Makine Öğrenmesi Algoritmasını Kullanarak IoT'de Hello Flood Saldırısının Önlenmesine Yönelik
Yeni Bir Yaklaşım
Gönen S., Barışkan M. A., Karacayılmaz G., Alhan B., YILMAZ E. N., ARTUNER H., Sindiren E.
El-Cezeri Journal of Science and Engineering, vol.9, no.4, pp.1529-1541, 2022 (Scopus)
- III. **Gender Detection Via Voice Using Artificial Intelligence Algorithms**
GÖNEN S., BARIŞKAN M. A., Karacayılmaz G., ALHAN B., YILMAZ E. N., ARTUNER H.
Gazi Mühendislik Bilimleri Dergisi, vol.8, no.3, pp.567-575, 2022 (Peer-Reviewed Journal)
- IV. **A novel approach to continuous CVE analysis on enterprise operating systems for system vulnerability assessment**
Kocaman Y., Gönen S., Barışkan M. A., Karacayılmaz G., YILMAZ E. N.
International Journal of Information Technology (Singapore), vol.14, no.3, pp.1433-1443, 2022 (Scopus)
- V. **Password Attack Analysis Over Honeypot Using Machine Learning Password Attack Analysis**
TAŞÇI H., GÖNEN S., BARIŞKAN M. A., KARACAYILMAZ G., ALHAN B., YILMAZ E. N.
Turkish Journal of Mathematics and Computer Science, vol.13, no.2, pp.388-402, 2021 (Peer-Reviewed Journal)
- VI. **EVALUATION OF THE SECURITY OF ENERGY SYSTEMS UNDER THE SCOPE OF CYBERSECURITY**
Aydın H., Barışkan M. A., Çetinkaya A.
Güvenlik Bilimleri Dergisi, vol.10, no.1, pp.151-174, 2021 (Peer-Reviewed Journal)
- VII. **Analysis of whether news on the Internet is real or fake by using deep learning methods and the TF-IDF algorithm**
Korkmaz T., Çetinkaya A., Aydın H., Barışkan M. A.
International Advanced Researches and Engineering Journal, vol.5, no.1, pp.31-41, 2021 (Peer-Reviewed Journal)
- VIII. **Common Generative Adversarial Network Types and Practical Applications**
BARIŞKAN M. A., ORMAN Z., ŞAMLI R.
Avrupa Bilim ve Teknoloji Dergisi, vol.0, no.Ejosat Özel Sayı 2020 (ARACONF), pp.585-590, 2020 (Peer-Reviewed Journal)
- IX. **Social Engineering Awareness in Turkey**
BARIŞKAN M. A., AYDIN M. A.
Computational Intelligence and Wireless Sensor Network, vol.1, no.1, pp.12-16, 2019 (Peer-Reviewed Journal)

Books & Book Chapters

I. Siber Güvenlik ve Yapay Zeka Bölüm 16

Gönen S., Barışkan M. A.

in: Yapay Zeka Yöntemleri: Güncel Konular, Prof.Dr. Cemalettin Kubat, Editor, Papatya Bilim Yayınevi, İstanbul, pp.387-412, 2023

II. Derin Öğrenme ve Güncel Uygulamalar Bölüm 12

Akkasi A., Barışkan M. A.

in: Yapay Zeka Yöntemleri: Güncel Konular, Prof.Dr. Cemalettin Kubat, Editor, Papatya Bilim Yayınevi, İstanbul, pp.281-304, 2023

Refereed Congress / Symposium Publications in Proceedings

I. Detection of Man-in-the-Middle Attack Through Artificial Intelligence Algorithm

Taştan A. N., Gönen S., Barışkan M. A., Kubat C., Kaplan D. Y., Pashaei E.

12th International Symposium on Intelligent Manufacturing and Service Systems, IMSS 2023, İstanbul, Turkey, 26 - 28 May 2023, pp.450-458

II. Detection of Cyber Attacks Targeting Autonomous Vehicles Using Machine Learning

Onur F., Barışkan M. A., Gönen S., Kubat C., Tunay M., Yılmaz E. N.

12th International Symposium on Intelligent Manufacturing and Service Systems, IMSS 2023, İstanbul, Turkey, 26 - 28 May 2023, pp.439-449

III. Cyber Attack Detection with Encrypted Network Connection Analysis

Gönen S., Karacayılmaz G., Artuner H., Barışkan M. A., Yılmaz E. N.

12th International Symposium on Intelligent Manufacturing and Service Systems, IMSS 2023, İstanbul, Turkey, 26 - 28 May 2023, pp.622-629

IV. A Novel Approach Detection for False Data Injection, and Man in the Middle Attacks in IoT and IIoT

Gönen S., Barışkan M. A., Kaplan D. Y., Yılmaz E. N., Çetin A.

2023 IEEE PES Generation, Transmission and Distribution International Conference and Exposition, GTD 2023, İstanbul, Turkey, 22 - 25 May 2023, pp.278-282

V. Common Generative Adversarial Network Types and Practical Applications

BARIŞKAN M. A., ORMAN Z., ŞAMLI R.

ARACONF-International Conference on Access to Recent Advances in Engineering and Digitalization, Turkey, 5 - 06 March 2020, pp.39

VI. Cyber Security Awareness of Engineering Students A Qualitative Analysis on Computer Mechatronic Departments

TINMAZ H., BARIŞKAN M. A.

VIII. Uluslararası Bilgi Güvenliği ve Kriptoloji Konferansı, Ankara, Turkey, 30 October - 31 January 2015

Supported Projects

Gönen S., Barışkan M. A., Development Agency, IGU Cyber Academy, 2023 - 2025

YILMAZ A. F., BARIŞKAN M. A., Project Supported by Higher Education Institutions, Li-Fi Tabanlı Sistemlerde Siber Güvenlik Analizi, 2021 - 2022

Myderrızı I., Gönen S., Barışkan M. A., Yılmaz A. F., Project Supported by Higher Education Institutions, Yüksek Verimli İnternet Veri Akışı Sağlayan Li-Fi Tabanlı Sistemin Analizi, 2021 - 2022

BARIŞKAN M. A., Project Supported by Higher Education Institutions, 'Avcılar İlçesinin 3 Mahallesinin Hasar Görebilirliğin Hesaplanması, 2021 - 2022

BARIŞKAN M. A., Project Supported by Higher Education Institutions, İSTANBUL İLİNDE ÇALIŞMA HAYATINDAKİ MESLEKİ GERİLİM VE STRESS'İN ARAŞTIRILMASI, 2020 - 2021

Activities in Scientific Journals

International Journal of Engineering Technologies IJET, Technical Redactor, 2015 - Continues

Memberships / Tasks in Scientific Organizations

IEEE Turkey Chapter, Member, 2023 - Continues, Turkey

Scientific Refereeing

MICROPROCESSORS AND MICROSYSTEMS, National Scientific Refreed Journal, December 2023