

Asst. Prof. URAZ YAVANOĞLU

Personal Information

Email: uraz@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/uraz>

International Researcher IDs

ScholarID: JA9FmuQAAAAJ

ORCID: 0000-0001-8358-8150

Publons / Web Of Science ResearcherID: CAA-0396-2022

ScopusID: 24471088700

Yoksis Researcher ID: 42688

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (Dr), Turkey 2009 - 2014

Postgraduate, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2006 - 2009

Undergraduate, Atilim University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2000 - 2005

Foreign Languages

English, B2 Upper Intermediate

Academic Titles / Tasks

Research Assistant, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2007 - Continues

Advising Theses

YAVANOĞLU U., Application Of Mathematical Transformation And Deep Learning Methods As A New Approach To Classification Of Underwater Objects, Postgraduate, A.CİVRİZOĞLU(Student), 2021

YAVANOĞLU U., Application Of Big Data Techniques For Medical Images Datasets With Matlab, Postgraduate, E.Faisal(Student), 2019

YAVANOĞLU U., Implementation Of Aspect-Based Sentiment Analysis From Turkish User Reviews, Postgraduate, K.BAYRAKTAR(Student), 2019

YAVANOĞLU U., Position And Scale Oriented Improvement Of Surf Method For Band Registration In Multispectral Satellite Images, Postgraduate, O.TAHSİN(Student), 2019

YAVANOĞLU U., Tıbbi görüntü veri setlerinde matlab ile büyük veri teknikleri uygulaması, Postgraduate, E.FAISAL(Student), 2019

YAVANOĞLU U., A New Method For Detection And Classification Of Malicious Web Pages, Postgraduate, C.KADI(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Accelerating Pattern Matching Using a Novel Multi-Pattern-Matching Algorithm on GPU**
Çelebi M., YAVANOĞLU U.
Applied Sciences (Switzerland), vol.13, no.14, 2023 (SCI-Expanded)
- II. **Time series - image transformation-based new approaches in detecting underwater objects with machine learning methods**
Demirezen M. U., Civrizoglu A., YAVANOĞLU U.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.3, pp.1400-1415, 2021 (SCI-Expanded)
- III. **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 (SCI-Expanded)
- IV. **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 (SCI-Expanded)
- V. **AUTOMATIC WEB BASED LANGUAGE IDENTIFICATION AND TRANSLATION SYSTEM**
YAVANOĞLU U., SAĞIROĞLU Ş.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.25, no.3, pp.483-494, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **A comprehensive survey on deep packet inspection for advanced network traffic analysis: Issues and challenges**
çelebi m., Özbilen A., Yavanoğlu U.
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.12, no.1, pp.1-29, 2023 (Peer-Reviewed Journal)
- II. **Sarcasm Detection Algorithms**
YAVANOĞLU U., Ibisoglu T. Y., Wicana S. G.
INTERNATIONAL JOURNAL OF SEMANTIC COMPUTING, vol.12, no.3, pp.457-478, 2018 (ESCI)
- III. **A NEW SUPERVISED EPIDEMIC MODEL FOR INTELLIGENT VIRAL CONTENT CLASSIFICATION**
ŞENOĞLU A., YAVANOĞLU U., ÖZDEMİR S.
International Journal of Intelligent Systems and Applications in Engineering, vol.4, pp.216-221, 2016 (Peer-Reviewed Journal)
- IV. **Estimating Turkey s IPv6 Transition Cost**
SAĞIROĞLU Ş., KARACAN H., ALKAN M., HACIÖMEROĞLU M., YAVANOĞLU U.
Gazi University Journal of Polytechnic, vol.17, no.2, pp.15-27, 2014 (Peer-Reviewed Journal)
- V. **Türkiye nin IPv6 ya Geçiş Maliyetinin Öngörülmesi**
SAĞIROĞLU Ş., KARACAN H., ALKAN M., HACIÖMEROĞLU M., YAVANOĞLU U.
Politeknik Dergisi, vol.17, no.2, pp.59-73, 2014 (Peer-Reviewed Journal)
- VI. **Intelligent Language Identification and Web based Document Translation System**
YAVANOĞLU U., SAĞIROĞLU Ş.
Erciyes University Journal of Science, vol.28, no.4, pp.329-343, 2012 (Peer-Reviewed Journal)
- VII. **IPv6 Protokolüne Geçiş Maliyet Analiz Çalışması.**
SAĞIROĞLU Ş., ALKAN M., YAVANOĞLU U.
Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, 2012 (Peer-Reviewed Journal)
- VIII. **Social Networking Threats and Precautions**
YAVANOĞLU U., SAĞIROĞLU Ş., ÇOLAK İ.
Gazi University Journal of Polytechnic, vol.15, no.1, pp.15-27, 2012 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **A Rule-Based Holistic Approach for Turkish Aspect-Based Sentiment Analysis**
Bayraktar K., YAVANOĞLU U., Ozbilen A.
IEEE International Conference on Big Data (Big Data), Los-Angeles, Chile, 9 - 12 December 2019, pp.2154-2158
- II. **QoS Prediction Methods in IoT A Survey**
Bagiroz B., GÜZEL M., YAVANOĞLU U., Ozdemir S.
IEEE International Conference on Big Data (Big Data), Los-Angeles, Chile, 9 - 12 December 2019, pp.2128-2133
- III. **NEURAL AND QUANTUM CRYPTOGRAPHY IN BIG DATA: A REVIEW**
Ozcakmak B., Ozbilen A., YAVANOĞLU U., Cin K.
IEEE International Conference on Big Data (Big Data), Los-Angeles, Chile, 9 - 12 December 2019, pp.2413-2417
- IV. **Deep Learning based Delay and Bandwidth Efficient Data Transmission in IoT**
KÖK İ., Corak B. H., YAVANOĞLU U., Ozdemir S.
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- V. **Evaluation of Mobile Vulnerabilities in Terms of Corporate Information Security**
Akyildiz O., YAVANOĞLU U.
2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 October 2017, pp.43-48
- VI. **A Review on Sarcasm Detection from Machine-Learning Perspective**
Wicana S. G., Ibisoglu T. Y., YAVANOĞLU U.
11th IEEE International Conference on Semantic Computing (ICSC), California, United States Of America, 30 January - 01 February 2017, pp.469-476
- VII. **Secure Big Data and Web Mining**
YAVANOĞLU U.
Cyber Security Workshop and Certificate Program, 23 - 27 May 2016
- VIII. **A Case Study on Intellectual and Industrial Property Rights in Turkey**
YAVANOĞLU U., ÖZBİLEN A., SEYREK C., ÇAĞLAR B., SAĞIROĞLU Ş.
The 2nd International Symposium on Digital Forensics and Security (ISDFS), Houston, United States Of America, 12 - 13 May 2014, vol.1, pp.1-5
- IX. **An Intelligent Technique for Detecting Malicious Users on Mobile Stores**
Terzi R., YAVANOĞLU U., SİNANÇ TERZİ D., Oguz D., Cakir S.
13th International Conference on Machine Learning and Applications (ICMLA), Michigan, United States Of America, 3 - 06 December 2014, pp.470-477
- X. **An Intelligent Feedback Control Mechanism for Brushless DC Motors**
SİNANÇ TERZİ D., Sahin M., Esen Z., YAVANOĞLU U., SAĞIROĞLU Ş.
16th International Power Electronics and Motion Control Conference and Exposition (PEMC), Antalya, Turkey, 21 - 24 September 2014, pp.939-944
- XI. **A New Approach on Digital Forensic Evidences from Social Networks**
YAVANOĞLU U., GÜNDÜZ M. S., SAĞIROĞLU Ş.
1th International Symposium on Digital Forensics and Security, Turkey, 20 - 21 May 2013
- XII. **A Novel Approach on Extracting Forensic Information from Location Based Social Networks**
Yavanoğlu U., Gündüz M. S., Sağiroğlu Ş.
1st International Symposium on Digital Forensics and Security (ISDFS'13), Elazığ, Turkey, 20 - 21 May 2013
- XIII. **A new Secure CAPTCHA Methodology for Touch Screen aided Smart Devices**
YAVANOĞLU U., KARABEY İ., YILMAZ N., NECEFOV J., SAĞIROĞLU Ş.
1th International Symposium on Digital Forensics and Security, Turkey, 20 - 21 May 2013
- XIV. **Co Simulation Study on BLDC Motor Drive System Based on Multisim and LabVIEW**
Şahin M., Bülbül H. İ., Esen Z., Yavanoğlu U., Çolak İ.
4th International Conference on Power Engineering, Energy and Electrical Drives, POWERENG, İstanbul, Turkey, 13 May 2013 - 17 May 2014
- XV. **Predicting next location of Twitter users for surveillance**

Gunduz S., YAVANOĞLU U., SAĞIROĞLU Ş.

12th International Conference on Machine Learning and Applications (ICMLA), Florida, United States Of America, 4 - 07 December 2013, pp.267-273

- XVI. **Intelligent Decision Support System For Energy Investments**
YAVANOĞLU U., KAPLAN O., Ati H., Tanis G., Milletsever O., Inal U.
12th International Conference on Machine Learning and Applications (ICMLA), Florida, United States Of America, 4 - 07 December 2013, pp.224-231
- XVII. **Intelligent Approach for Identifying Political Views over Social Networks**
YAVANOĞLU U., Colak M., Caglar B., Cakir S., Milletsever O., SAĞIROĞLU Ş.
12th International Conference on Machine Learning and Applications (ICMLA), Florida, United States Of America, 4 - 07 December 2013, pp.281-287
- XVIII. **A New Approach to Detecting Content Anomalies in Wikipedia**
SİNANÇ TERZİ D., YAVANOĞLU U.
12th International Conference on Machine Learning and Applications (ICMLA), Florida, United States Of America, 4 - 07 December 2013, pp.288-293
- XIX. **A New Intelligent Steganalysis Method for Waveform Audio Steganography**
YAVANOĞLU U., ÖZÇAKMAK B., MİLLETSEVER Ö.
11th International Conference on Machine Learning and Applications, United States Of America, 12 - 15 December 2012
- XX. **Country Study of Renewable Energy Resources**
KAPLAN O., YAVANOĞLU U.
1th International Conference on Renewable Energy Research and Applications, Japan, 11 - 14 November 2012
- XXI. **Developing ANN Based Pattern Recognition Technique for CAPTCHA Word Recognition**
YAVANOĞLU U., MUTLU B., ŞAHİN E.
5th International Information Security and Cryptology Conference, Turkey, 17 - 18 May 2012, pp.236-244
- XXII. **5th International Information Security and Cryptology Conference**
YAVANOĞLU U., ÖZDEMİR S., SAĞIROĞLU Ş.
5th International Information Security and Cryptology Conference, Turkey, 17 - 18 May 2012, pp.3-10
- XXIII. **A Web Based Face Counter Prediction System from Only Fingerprints**
SAĞIROĞLU Ş., YAVANOĞLU U.
11th IEEE International Conference on Machine Learning and Applications (ICMLA), Florida, United States Of America, 12 - 15 December 2012, pp.222-226
- XXIV. **A New Intelligent Steganalysis Method for Waveform Audio Files**
YAVANOĞLU U., Ozcakmak B., Milletsever O.
11th IEEE International Conference on Machine Learning and Applications (ICMLA), Florida, United States Of America, 12 - 15 December 2012, pp.233-239
- XXV. **Ulusal IPv6 Protokol Altyapısı Tasarımı ve Geçiş Projesi: Anket Çalışması**
ALKAN M., SAĞIROĞLU Ş., YAVANOĞLU U.
Ulusal IPv6 Konferansı, Ankara, Turkey, 12 - 13 January 2011
- XXVI. **Country Study On IPv6 Protocol Transition Survey**
SAĞIROĞLU Ş., KARACAN H., ALKAN M., ÜNVER M., ORCAN S., YAVANOĞLU U.
1th National IPv6 Conference, Turkey, 12 - 13 January 2011, pp.19-25
- XXVII. **Social Networking and Computer Security**
YAVANOĞLU U., SAĞIROĞLU Ş.
4th International Information Security and Cryptology Conference, Turkey, 6 - 07 May 2010, pp.113-117
- XXVIII. **Predicting Languages of Web documents with Computers**
SAĞIROĞLU Ş., YAVANOĞLU U.
Proceedings of International Scientific Conference on High Technology in Educational System Advancement and Current trends in Teaching Methodology, Turkmenistan, 13 - 14 November 2008
- XXIX. **Web based machine learning for language identification and translation**
SAĞIROĞLU Ş., YAVANOĞLU U., Guven E. N.

Metrics

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