Asst. Prof. VISAM ELMASRY

Personal Information

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International Researcher IDs
ScholarID: Tdh91yUAAAAJ
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Publons / Web Of Science ResearcherID: COA-1731-2022
ScopusID: 57201775146
Yoksis Researcher ID: 344644

Education

Post Doctorate, Istanbul Sabahattin Zaim University, MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ, Turkey 2020 - 2021
Doctorate, Istanbul Commerce University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), Turkey 2014 - 2019
Postgraduate, Islamic University of Gaza, Graduate studies Faculty, Computer Engineering, Palestine 2007 - 2010
Undergraduate, Islamic University of Gaza, Engineering Faculty, Computer Engineering Department, Palestine 1999 - 2004

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, Derin öğrenme yaklaşımı kullanarak bulut ortamları için saldırı tespit hizmet tasarımı, Istanbul Commerce University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), 2019
Postgraduate, Securing Weight-Based AODV (WBAODV) Routing Protocol in MANETs: Towards Efficient and Secure Routing Protocol, Islamic University of Gaza, Graduate Studies Faculty, Computer Engineering, 2010

Research Areas

Computer Sciences, Information Security and Reliability, Artificial Intelligence, Computer Learning and Pattern Recognition, Engineering and Technology

Academic Positions

Assistant Professor, Istanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2021 - Continues
Lecturer, Al-Azhar University of Gaza, Information Technology, Information Technology, 2012 - 2013
Lecturer, Al-Aqsa University, Information Technology, Information Technology, 2012 - 2013
Lecturer, College of Science and Technology, Infornation Technology Faculty, Computer Sciences, 2011 - 2013

Lecturer, Nursing Faculty, Nursing, 2010 - 2011

Academic and Administrative Experience

Bölüm Kalite Komisyonu Başkanı, Istanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2022 - Continues

Courses

Undergraduate
GAME PROGRAMMING, Undergraduate, 2024 - 2025
MOBILE PROGRAMMING I, Undergraduate, 2024 - 2025
COMPUTER ORGANIZATION, Undergraduate, 2024 - 2025
Computer Organization, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
WEB PROGRAMMING, Undergraduate, 2024 - 2025
EMBEDDED SYSTEMS, Undergraduate, 2024 - 2025
Mobile Programming, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
Web Programming, Undergraduate, 2023 - 2024, 2022 - 2023
Embedded Systems, Undergraduate, 2023 - 2024, 2022 - 2023

Journal articles indexed in SCI, SSCI, and AHCI

I. **Utilizing Metaheuristics to Estimate Wind Energy Integration in Smart Grids With A Comparative Analysis of Ten Distributions**
Wadi M., Elmasry W., Colak I., Jouda M., Kucuk I.
ELECTRIC POWER COMPONENTS AND SYSTEMS, 2024 (SCI-Expanded)

II. **Load frequency control in smart grids: A review of recent developments**
Wadi M., Shobole A., ELMASRY W., KÜÇÜK İ.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.189, 2024 (SCI-Expanded)

III. **Detection of Faults in Electrical Power Grids Using an Enhanced Anomaly-Based Method**
Elmasry W., Wadi M.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, no.11, pp.14899-14914, 2022 (SCI-Expanded)

IV. **Important considerations while evaluating wind energy potential**
Wadi M., Elmasry W., Tamyiğit F. A.
Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.38, no.2, pp.947-962, 2022 (SCI-Expanded)

V. **EDLA-EFDS: A Novel Ensemble Deep Learning Approach For Electrical Fault Detection Systems**
Elmasry W., Wadi M.
ELECTRIC POWER SYSTEMS RESEARCH, 2022 (SCI-Expanded)

VI. **Enhanced Anomaly-Based Fault Detection System in Electrical Power Grids**
Elmasry W., Wadi M.
INTERNATIONAL TRANSACTIONS ON ELECTRICAL ENERGY SYSTEMS, 2022 (SCI-Expanded)

VII. **Statistical analysis of wind energy potential using different estimation methods for Weibull parameters: a case study**
Wadi M., Elmasry W.
ELECTRICAL ENGINEERING, no.6, pp.2573-2594, 2021 (SCI-Expanded)

VIII. **Evolving deep learning architectures for network intrusion detection using a double PSO metaheuristic**
Elmasry W., AKBULUT A., Zaim A. H.

COMPUTER NETWORKS, 2020 (SCI-Expanded)

IX. **Empirical study on multiclass classification-based network intrusion detection**
Elmasry W., AKBULUT A., Zaim A. H.
COMPUTATIONAL INTELLIGENCE, no.4, pp.919-954, 2019 (SCI-Expanded)

X. **New LSB-based colour image steganography method to enhance the efficiency in payload capacity, security and integrity check**
KASAPBAŞI M. C., ELMASRY W.
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, no.5, 2018 (SCI-Expanded)

XI. **Deep Learning Approaches for Predictive Masquerade Detection**
Elmasry W., AKBULUT A., Zaim A. H.
SECURITY AND COMMUNICATION NETWORKS, 2018 (SCI-Expanded)

Articles Published in Other Journals

I. **A Comparative Assessment of Five Different Distributions Based on Five Different Optimization Methods for Modeling Wind Speed Distribution**
Wadi M., ELMASRY W.
Gazi University Journal of Science, vol.36, no.3, pp.1096-1120, 2023 (ESCI)

II. **Comparison of five different distributions based on three metaheuristics to model wind speed distribution**
VADİ M., ELMASRY W.
JOURNAL OF ELECTRICAL SYSTEMS, vol.18, no.3, pp.369-390, 2022 (ESCI)

III. **AT-ODTSA: a Dataset of Arabic Tweets for Open Domain Targeted Sentiment Analysis**
Sahmoud S., Abudalfa S., ELMASRY W.
International Journal of Computing and Digital Systems, vol.11, no.1, pp.1299-1307, 2022 (Scopus)

IV. **A Design Of An Integrated Cloud-based Intrusion Detection System With Third Party Cloud Service**
Elmasry W., AKBULUT A., Zaim A. H.
OPEN COMPUTER SCIENCE, vol.11, no.1, pp.365-379, 2021 (ESCI)

V. **Comparative evaluation of different classification techniques for masquerade attack detection**
Elmasry W., AKBULUT A., Zaim A. H.
International Journal of Information and Computer Security, vol.13, no.2, pp.187-209, 2020 (Scopus)

VI. **Enhancement the security of AES against modern attacks by using Variable key block cipher**
SAHMOUD S. A., ELMASRY W., Abudalfa S.
International Arab Journal of e-Technology, vol.3, no.1, pp.17-26, 2013 (Peer-Reviewed Journal)

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Autonomous Driving Robot for Indoor 2D Mapping**
Abeideh A., Zamrik A. R., Elmasry W.
2024 Innovations in Intelligent Systems and Applications Conference (ASYU), Ankara, Turkey, 16 October 2024, pp.1-8, (Full Text)

II. **Psychological Assistant: Assessing The Emotional State of a Patient Using Triple Video Analysis Method**
Alkan M., Elmasry W.
2024 8th International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 21 September 2024, pp.1-8, (Full Text)

III. **AI-based Multimodal Resume Ranking Web Application for Large Scale Job Recruitment**
Yazıcı M. B., Sabaz D., Elmasry W.
2024 8th International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 21 - 22

September 2024, pp.1-8, (Full Text)

IV. **Secure, Robust and Optimized Algorithm: Towards Enhancing Digital Image Watermarking**
Uluturk C., Akdeniz F., Varol M., Elmasry W.
2024 8th International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 21
September 2024, pp.1-8, (Full Text)

V. **Overview of Electric Vehicles Charging Stations in Smart Grids**
Wadi M., ELMASRY W., Jouda M., Shahinzadeh H., Gharehpetian G. B.
13th International Conference on Computer and Knowledge Engineering, ICCKE 2023, Mashhad, Iran, 1 - 02
November 2023, pp.540-546, (Full Text)

VI. **Wind energy potential approximation with various metaheuristic optimization techniques
deployment**
VADİ M., ELMASRY W., Shobole A., TÜR M. R., BAYINDIR R., Shahinzadeh H.
2021 7th International Conference on Signal Processing and Intelligent Systems (ICSPIS), Iran, 29 December 2021,
(Full Text)

VII. **Sensitivity Reliability Analysis of Power Distribution Networks Using Fuzzy Logic**
Wadi M., ELMASRY W., Kucuk I., Shahinzadeh H.
12th International Conference on Computer and Knowledge Engineering, ICCKE 2022, Mashhad, Iran, 17 - 18
November 2022, pp.190-195, (Full Text)

VIII. **Two-Tier Cascaded Classifiers to Improve Electrical Power Quality**
ELMASRY W., Wadi M., Shahinzadeh H.
26th International Electrical Power Distribution Conference, EPDC 2022, Tehran, Iran, 11 - 12 May 2022, pp.96-
101, (Full Text)

IX. **Modeling of Wind Energy Potential in Marmara Region Using Different Statistical Distributions and
Genetic Algorithms**
VADİ M., ELMASRY W.
2021 International Conference on Electric Power Engineering--Palestine (ICEPE-P), GAZZE, FİLİSTİN, 23 - 24
March 2021, pp.1-7, (Full Text)

X. **An Anomaly-based Technique for Fault Detection in Power System Networks**
VADİ M., ELMASRY W.
2021 International Conference on Electric Power Engineering--Palestine (ICEPE-P), GAZZE, FİLİSTİN, 23 - 24
March 2021, pp.1-6, (Full Text)

Funded Projects

Metrics

Publication: 30
Citation (WoS): 367
Citation (Scopus): 470
H-Index (WoS): 10
H-Index (Scopus): 9