

Asst. Prof. WISAM ELMASRY

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: COA-1731-2022

ScopusID: 57201775146

Yoksis Researcher ID: 344644

Education Information

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 Titles / Tasks

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, Information 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

Computer Organization, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Mobile Programming, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Web Programming, Undergraduate, 2023 - 2024, 2022 - 2023

Embedded Systems, Undergraduate, 2023 - 2024, 2022 - 2023

Published journal articles indexed by 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)

Refereed Congress / Symposium Publications in Proceedings

I. 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

II. 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

III. 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

IV. 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

V. 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

VI. 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

Supported Projects

Elmasry W., Project Supported by Other Official Institutions, A Deep Learning Approach for Fault Detection System in Power Systems (Güç Sistemlerinde Arıza Tespit Sistemi İçin Derin Öğrenme Yaklaşımı), 2020 - 2022

Metrics

Publication: 25

Citation (WoS): 193

Citation (Scopus): 271

H-Index (WoS): 6

H-Index (Scopus): 5