

## Asst. Prof. WISAM 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 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