



Assist. Prof. Dr. HAMEED MUTLAG FARHAN FARHAN

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EDUCATIONAL INFORMATION

Degree	University	Department	Year(s)
Doctoral Degree	ALTINBAS UNIVERSITY	ELEKTRİK VE BİLGİSAYAR MÜHENDİSLİĞİ	2020 - 2024
Master's Degree	ALTINBAŞ ÜNİVERSİTESİ	ELECTRIC AND COMPUTER ENGINEERING	2016 - 2019
Bachelor's Degree	TIKRIT UNIVERSITY	COMPUTER SCIENCE	2009 - 2013

RESEARCH AREAS

Image Processing, Artificial intelligence, Machine learning, Deep learning, Database, Internet of things, cyber security , computer network , Computer programming ,Watermarking Techniques.

ACADEMIC DUTIES

Duty	University	Area	Year(s)
Asst. Prof. Dr.	ALTINBAS UNIVERSITY	COMPUTER ENGINEERING	2025 -

ADMINISTRATIVE DUTIES

Duty	University	Year(s)
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ACADEMIC AND PROFESSIONAL MEMBERSHIPS

Organisation	Membership	Year(s)
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NON-UNIVERSITY EXPERIENCE

Country	Organisation	Duty	Year(s)
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BOOKS

Recent Advances in Smart Communication Technologies for a Sustainable Future

Ananya Pandey, Oindrilla Ghosh, Hameed Mutlag Farhan, Vineeta Singh

IGI, 979-8-3373-3541-4, 2026

Scientific Book Chapter(s)

Forthcoming Networks and Sustainability in the AIoT Era

Hawraa Jaafar Murad Kashkool, Hameed Mutlag Farhan, Raghda Awad Shaban Naseri, Sefer Kurnaz

Springer Nature Switzerland, 978-3-031-62871-9, 2024

Scientific Book Chapter(s)

ARTICLES

Experimental investigation of ZnO/SiC and GO/CuO hybrid nanofluids in PVT-integrated PEM electrolysis for green hydrogen production

Mohammed Shamar Yadkar , Sefer Kurnaz , Hameed Mutlag Farhan , Sangeetha , G.K. Jhanani

International Journal of Hydrogen Energy, 2026

International DOI: 10.1016/j.ijhydene.2026.154387

ARTICLES

An enhanced attention and dilated convolution-based ensemble model for network intrusion detection system against adversarial evasion attacks

FARHAN HAMEED MUTLAG FARHAN, ÇEVİK MESUT

Peer-to-Peer Networking and Applications, 2025

[International](#)

A Novel Pancreatic Tumor Detection and Diagnosis Using Adaptive TransResUnet Aided Segmentation and ASPP with Multi-Scale EfficientNet-Based Classification

FARHAN HAMEED MUTLAG FARHAN, IBRAHIM ABDULLAHI ABDU, Naseri Raghda awad shaban

Cybernetics and Systems, 2025

[International](#) DOI: 10.1080/01969722.2025.2488820

Improving Oil Pipeline Surveillance with a Novel 3D Drone Simulation Using Dynamically Constrained Accumulative Membership Fuzzy Logic Algorithm (DCAMFL) for Crack Detection

FARHAN HAMEED MUTLAG FARHAN, KURNAZ SEFER

International Journal of Computational Intelligence Systems, 2025

[International](#) DOI: 10.1007/s44196-025-00818-3

SCEN-SCADA Security: An Enhanced Osprey Optimization-Based Cyber Attack Detection Model in Supervisory Control and Data Acquisition System Using Serial Cascaded Ensemble Network

FARHAN HAMEED MUTLAG FARHAN, Naseri Raghda awad shaban, KURNAZ SEFER

Optimal Control Applications and Methods, 2025

[International](#)

Optimal feature tuning model by variants of convolutional neural network with LSTM for driver distract detection in IoT platform

FARHAN HAMEED MUTLAG FARHAN, KURNAZ TÜRK BEN AYÇA, Naseri Raghda awad shaban

Knowledge and Information Systems, 2025

[International](#) DOI: 10.1007/s10115-025-02342-4

An efficient faults and attacks categorization model in IoT-based cyber physical systems using Dilated CNN and BiLSTM with multi-scale dense Attention module

FARHAN HAMEED MUTLAG FARHAN, IBRAHIM ABDULLAHI ABDU, Naseri Raghda awad shaban

Biomedical Signal Processing and Control, 2025

[International](#) DOI: 10.1016/j.bspc.2024.106637

Improving Oil Pipeline Surveillance with a Novel 3D Drone Simulation Using Dynamically Constrained Accumulative Membership Fuzzy Logic Algorithm (DCAMFL) for Crack Detection

Omar Saber Muhi, Hameed Mutlag Farhan, Sefer Kurnaz

International Journal of Computational Intelligence Systems, 2025

[International](#) DOI: 10.1007/s44196-025-00818-3

An enhanced attention and dilated convolution-based ensemble model for network intrusion detection system against adversarial evasion attacks

Omer Fawzi Awad, Mesut Çevik, Hameed Mutlag Farhan

Peer-to-Peer Networking and Applications, 2025

[International](#) DOI: 10.1007/s12083-024-01859-9

SCEN-SCADA Security: An Enhanced Osprey Optimization-Based Cyber Attack Detection Model in Supervisory Control and Data Acquisition System Using Serial Cascaded Ensemble Network

Fatimah Yaseen Hashim Alzubaidi, Sefer Kurnaz, Raghda Awad Shaban Naseri, Hameed Mutlag Farhan

Optimal Control Applications and Methods, 2025

[International](#) DOI: 10.1002/oca.3316

A Novel Pancreatic Tumor Detection and Diagnosis Using Adaptive TransResUnet Aided Segmentation and ASPP with Multi-Scale EfficientNet-Based Classification

aama Methab Athab, Abdullahi Abdu Ibrahim, Raghda Awad Shaban Naseri, Hameed Mutlag Farhan

Cybernetics and Systems, 2025

[International](#) DOI: 10.1080/01969722.2025.2488820

ARTICLES

Optimal feature tuning model by variants of convolutional neural network with LSTM for driver distract detection in IoT platform

Hameed Mutlag Farhan, Ayça Kurnaz Türkben, Raghda Awad Shaban Naseri

Knowledge and Information Systems, 2025

International DOI: 0.1007/s10115-025-02342-4

An efficient faults and attacks categorization model in IoT-based cyber physical systems using Dilated CNN and BiLSTM with multi-scale dense Attention module

Laythkhaleel Riyam, IBRAHIM ABDULLAHI ABDU, Shaban Naseri Raghda Awad, FARHAN HAMEED MUTLAG FARHAN

Biomedical Signal Processing and Control, 2024

International DOI: 10.1016/j.bspc.2024.106637

An efficient faults and attacks categorization model in IoT-based cyber physical systems using Dilated CNN and BiLSTM with multi-scale dense Attention module

Riyam Laythkhaleel, Abdullahi Abdu Ibrahim, Raghda Awad Shaban Naseri, Hameed Mutlag Farhan

Biomedical Signal Processing and Control, 2024

International DOI: 10.1016/j.bspc.2024.106637

Optimized face detector-based intelligent face mask detection model in IoT using deep learning approach

FARHAN HAMEED MUTLAG FARHAN, KURNAZ TÜRK BEN AYÇA, Naseri Raghda awad shaban

Applied Soft Computing, 2023

International DOI: 10.1016/j.asoc.2022.109933

Optimized face detector-based intelligent face mask detection model in IoT using deep learning approach

Raghda Awad Shaban Naseri, Ayça Kurnaz, Hameed Mutlag Farhan

Raghda Awad Shaban Naseri, Ayça Kurnaz, Hameed Mutlag Farhan, 2023

International DOI: 10.1016/j.asoc.2022.109933

Speaker Identification Model Based on Deep Neural Networks

Zainab Ali Abbood, Baraa Taha Yassen, Mohammed Rashid Ahmed, Adil Deniz Duru

Iraqi Journal For Computer Science and Mathematics, 2022

International DOI: 10.52866/ijcsm.2022.01.01.012

PROCEEDINGS

Enhancing Facial Recognition Accuracy and Efficiency Through Integrated CNN, PCA, and SVM Techniques

Hawraa Jaafar Murad Kashkool, Hameed Mutlag Farhan, Raghda Awad Shaban Naseri, Sefer Kurnaz

International Conference on Forthcoming Networks and Sustainability in the AIoT Era / Springer Nature Switzerland,

International

Data Mining Techniques for Extraction and Analysis of Covid-19 Data

Mohamed Ghanim Al-Obadi, Hameed Mutlag Farhan, Raghda Awad Shaban Naseri, Ayca Kurnaz Turkben, Ahmed Khalid Mustafa, Ahmed Raad Al-Aloosi

2022 International Conference on Artificial Intelligence of Things (ICAIoT)/ IEEE,

National

Data Mining And Analysis For Predicting Electrical Energy Consumption

Mustafa Almohammed, Hameed Mutlag Farhan, Raghda Awad Sababan Naseri, Ayca Kurnaz Turkben

2022 International Conference on Artificial Intelligence of Things (ICAIoT)/ IEEE,

National

Optic Disc Segmentation In Human Retina Images With Meta Heuristic Optimization

Dhirgham Atia Khalef, Ayca Kurnaz Turkben, Hameed Mutlag Farhan, Raghda Awad Shaban Naseri

2022 International Conference on Artificial Intelligence of Things (ICAIoT)/ IEEE,

National

PROCEEDINGS

Face Recognition System Using Local Binary Pattern with Binary Dragonfly Algorithm to Feature Selection

Ahmed Raad Al-Aloosi, Hameed Mutlag Farhan, Raghda Awad Shaban Naseri, Ayca Kurnaz Turkben, Ahmed Khalid Mustafa, Mohammed GF Al-Obadi

2022 International Conference on Artificial Intelligence of Things (ICAIoT)/ IEEE,

National

2025 5th International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS)

Fatimah Yaseen Hashim Alzubaidi, Hameed Mutlag Farhan, Raghda Awad Shaban Naseri, Sefer Kurnaz, Omer Muneam Mushref IEEE,

International

PROJECTS

THESIS SUPERVISION

COURSES

Course Type	Course Code	Course Name
Bachelor's Degree	SWE402	INTERNET PROGRAMMING
Bachelor's Degree	SWE324	VISUAL PROGRAMMING
Bachelor's Degree	SWE326	COMPUTER NETWORKS
Bachelor's Degree	SWE228	DATABASE SYSTEMS DESIGN II
Bachelor's Degree	SWE381	EMBEDDED SYSTEM DESIGN
Other	SWE458	SOFTWARE METRICS
Bachelor's Degree	CE311	MICROPROCESSORS FOR COMPUTER ENGINEERING
Bachelor's Degree	CE331	COMPUTER ORGANIZATION
Bachelor's Degree	CE472	ARTIFICIAL INTELLIGENCE
Bachelor's Degree	CE472	ARTIFICIAL INTELLIGENCE

PERSONAL INFORMATION

CONTACT INFORMATION

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