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EDUCATION

ماجستير (30-03-2015)
Electrical Communication Engineering
University of Kassel

بكلوريوس (15-07-2008)
Optoelectronic Engineering
University of Technology

RESEARCH METRICS

h-index (Scopus)	1
h-index (GS)	1
Citations (Scopus)	2
Citations (GS)	5
Documents (Scopus)	3
Documents (GS)	6

RESEARCH INTERESTS

• My research interests focus on electronics, communication systems, and artificial intelligence, with particular emphasis on machine learning, the Internet of Things (IoT), and approximate computing.



Sulaf Waiss

سولاف محمد خورشيد ويس

Assistant Lecturer

PROFILE

I hold an M.Sc. in Electrical Communication Engineering from the University of Kassel, Germany (2015), and a B.Sc. in Optoelectronic Engineering from the University of Technology, Baghdad (2008). In 2016, I participated in the First PIP Summer School in Electrical Engineering and Physics at the University of Bremen, Germany.

I am currently a faculty member at the College of Mechanical Engineering, University of Technology, Iraq, where I continue my teaching and research activities. I have also held academic and administrative responsibilities, including serving as Rapporteur of the Scientific Committee (2023–2025) and Head of the Performance Evaluation Unit (2024–2025).

I hold professional certifications in networking, AV technologies, machine learning, and AI, including certifications from Cisco and Extron (AV Associate). I have received several Certificates of Appreciation from national and university institutions in recognition of my academic and professional contributions. In addition, I actively contribute to the international academic community as a peer reviewer, having completed more than 104 reviews for scientific journals.

My research interests include electronics, communication systems, artificial intelligence, machine learning, the Internet of Things (IoT), and approximate computing.

ACADEMIC TITLES

2023-03-16 Assistant Lecturer

TEACHING EXPERIENCE

Assistant Lecturer
University of Technology
2023-03 - Present

COURSES

- Digital Communications
- Numerical Analysis
- Microprocessor
- Digital Technologies
- Communication Engineering
- Microcontroller
- Digital Electronics
- Analog Electronics
- Analog Communications
- Computer Programming
- Engineering Drawing
- Autocad
- Arduino

- Electrical Engineering
- Applications of Numerical Analysis
- Programming

A D M I N I S T R A T I V E P O S I T I O N S

2024-04-30 - 2025-09-24	Head of Performance Evaluation Unit
2023-09-12 - 2025-09-12	Rapporteur of the Scientific Committee in the Department of Electronic Engineering

P U B L I C A T I O N S (7)

1.	Pilot-Verifi ed Mismatch-Robust Hybrid Digital Backpropagation with SafePhase-Equivariant FLNN Correction for Hardware-Impaired Coherent WDM Systems <i>Available at SSRN 7370318, 0 2026</i>
2.	An Optimized Twofold LUT Architecture for Fast Function Approximation <i>Franklin Open, 100489, 2026 2026 Cited: 1</i>
3.	Design and Control of a Laser Cooling System for Wavelength Stabilization of a Monochromatic Light Source <i>IIETA 57 (1269-6935 (print); 2116-7087 (online)), 187-200, 2024 2024 Cited: 1</i>
4.	High-resolution ECG automated analysis and diagnosis <i>2017 IEEE International Conference on Intelligent Techniques in Control&nbsp;..., 2017 2017 Cited: 3</i>
5.	Franklin Open <i>0</i>
6.	Approximate Computing in Nano-Scale Technology Era <i>0</i>
7.	Pilot-Verifi ed Mismatch-Robust Hybrid Digital Backpropagation with SafePhase-Equivariant FLNN Correction for Hardware-Impaired Coherent WDM Systems <i>Available at SSRN 7370318, 0 0</i>