Date Jan. 2024

LAITH WALEED SHEHAB

PERSONAL INFORMATION

Title: Robotics / Artificial Intelligence Lecturer & Trainer

Academic Rank: Lecturer

Date & Place of Birth: 26/Sep/1984

Nationality: Jordanian

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ACADEMIC QUALIFICATIONS

Degree	Major	Duration (From-To)	University	Country
MSc	Computer Engineering	2012	Jordan University of Science and Technology	Jordan
MSc	NanoTechnology	2010	Aristotle University of Thessaloniki	Greece
BSc	Computer Science	2008	Jordan University of Science and Technology	Jordan

TEACHING EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
Sep'22 – till now	Lecturer	Middle East University	Computer Science- AI	Jordan
Sep'22 – Jan'23	Lecturer	Bedfordshire University at MEU Hosted program	Cyber Security	Jordan
Sep'21- Aug'22	Lecturer	Jordan University of Science & Technology	Computer Science	Jordan
Sep'18- Aug'21	Lecturer	Al-Majmaah University	Computer Science	Saudi Arabia
Sep'16- Aug'18	Lecturer	Al-Qassim University	CS/ Computer Networks	Saudi Arabia
Sep'13- Aug'20	Trainer	TVTC	CS/ Artificial Intelligence	Saudi Arabia
Sep'12- Aug'13	Lecturer	Jordan University of Science & Technology	Computer Science	Jordan
Jan'10- Aug'11	Trainer	Aristotle university of Thessaloniki	Computer Engineering/ Nanotechnology	Greece
Jan'2009 - Jan'12	TA/Ra	Jordan University of Science & Technology	Computer Engineering	Jordan

OTHER EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
Oct'21 – till now	Managing Director	ESDC	Operations & technical supervision	Jordan
Feb'22 – till now	Consultant	Ivory	Artificial Intelligence & IoT	Saudi Arabia
Jan'23 – Jan'24	Consultant	Saudi Ministry of Tourism	Digital transformation	Saudi Arabia
Oct'12 – Oct'13	Teacher	IPAS	IT	Jordan

PUBLICATIONS

Author/s (In Order)	Title	Journal	Vol./No.	Publication Date

1. "An Optimized Image Steganography with High, Embedding Capacity Based on Genetic Algorithm"; (ICMECE 2022)

2. "Analyzing ChatGPT's Problem-Solving Capabilities in Arabic-Based Software tasks" (JUSTITC 2022)

3. "Double Data Rate Synchronization Using Delay-Locked Loop to the Order of Nano-second "; (Thessaloniki Greece 2013)

4. "Nano-Hearing Aid"; Published in The 2nd Nano-Tech Conference of Aristotle University; (Thessaloniki Greece 2011)

5. "Neighbor Selection in Tracker-based Peer –to- Peer Systems" (JUST 2009 IT Conference)

6. "JUST e-map "; An electronic map for the university as a web design formula, (JUST 2009 IT Conference)

PROJECTS

1. "Hazardous Environment Inspection Robot" (TeknoFest- Turkey 2024)

2. "ARP POISONING DETECTION THROUGH DEEP LEARNING" (a hybrid (CNN) and (LSTM) architecture to detect ARP poisoning with exceptional accuracy)

3. "LIVER TUMOR AND ROLE OF NANOTECHNOLOGY IN TREATMENT", Liver tumor classification (Under-Review)

4. Local Chabot Project: that could autonomously learn from and interact based on text data contained in user-uploaded files, including PDFs and Word documents.

5. "Mobile Skin Condition Diagnosis Using Neural Networks"; a skin health assessment, a robust and well-trained model that can quickly diagnose the image provided by the user, the model is implemented as an IOT device & a user-friendly application that makes our model accessible.)

UNIVERSITY COMMITTEES

1. Chairman of the Innovation, Robotics and talented students Club (FIT)

2. Chairman of the Community Service and Extracurricular Activities Committee (FIT)

3. Consultant for the Technology Club for Middle East University students (MEU)

4. Member of the Committee of Schedules in the College (FIT)

5. Member of the College's Examination Committee (FIT)

6. Member of the College's field training Committee (FIT)

AWARDS, WORKSHOPS ATTENDED/ OFFERED

1. Trainer certification of "IoT Systems" by IVORY center‐ Riyadh Aug'23
2. Trainer certification of "Digital Transformation and E-Government" by IVory center‐ Riyadh Jan'24
3. GJU 2023: SYMPOSIUM ON CRYPTOCURRENCIES AND THEIR IMPACT ON INTERNATIONAL TRADE AND MSMEs
4. PETRA University 2024: "Afro-Asian" Technology and Innovation Forum, at Petra University **/**Jury member
5. Best robotic design award of the yearly Saudi Arabia Kingdom Technical Robotics Olympiad. KSA- Jeddah , Mar'19.
6. The Ideal Lecturer award - The Technical College Al-Majma'ah. KSA - Riyadh - AlMajma'ah, May'14 & Jun'18.
7. Second rank award of the yearly Saudi Arabia Kingdom Technical Robotics Olympiad. KSA- Dammam , May'15.
8. Third rank award of the yearly Saudi Arabia Kingdom Technical Robotics Olympiad. KSA- Riyadh – Kharj, Jun'14.
9. "VEX Robotics Design" certification by The Technical and Vocational Training Corporation, KSA- Albaha –Apr'14.
10. "Robotics Design and automation solution for the Industrial issues" certification by TVTC, KSA- Tabouk-Mar'15.

11. JEWEL- Coordinator of Workshop on "Current training in Nano-scale VLSI design", Jordan University of Science & Technology Feb'12.
12. JEWEL training course "very large-scale integration [VLSI] & Low power design using Nanotechnology" Greece - Thessaloniki workshop associated with European Union during the period between July-September 2011
13. JEWEL- Coordinator of the summer school called "Power Analysis, Modeling, Design and Optimization at Nano-Scale", JORDAN – JUST, 10-14 June 2012 .

14. Trainer certification of "Hacking and combating cybercrime" by Business center‐ Majmaa University Apr'20
15. Trainer certification of "Hacking and combating cybercrime" by Business center‐ TVTC Apr'21
16. Trainer certification of "Software Security" by Business center‐ TVTC Jun'20
17. Trainer certification of "Security and archiving of documents and information" by TVTC Jul'20
18. Trainer certification of "Robotics: Design, coding & building" by TVTC Jun'19
19. Trainer certification of "Coaching Skills" by TVTC May'19
20. Trainer certification of "Recent trends in the development of training and methods of measurement and evaluation" by TVTC May'18
21. Trainer certification of "Cloud Computing" by TVTC Apr'18
22. Trainer certification of "Design and build electronic content" by TVTC Jun'17
23. Trainer certification of "Customer Service Excellence" by TVTC May'17
24. Trainer certification of "Training Excellence" by TVTC Jun'16
25. Trainer certification of "Cambridge - International Diploma in IT Skills." by TVTC 2014/2016/2017

26. Trainer certification of "Modern methods of guidance and counseling" by TVTC 2015/2017
27. Trainer certification of "Trainer of trainers" - Certified Trainer - by TVTC 2015/2017/2018/2019
28. Management and communication skills professional trainer from jun'13 –present in many events.

29. Designed a Training course titled "Robotics for beginners"- Proficiency Academy, Jul'13.
30. Attended a workshop titled "Nano-based LED displays" –Aristotle University of Thessaloniki (Greece) , 2012.
31. Attended IEEE Jordan Conference on Applied Electrical Engineering and Computing Technologies (AEECT) Dec'11.
32. Attended PATMOS Conference on Computing, Devices and Systems (Madrid) 26-29 Sep'11.
33. Attended a workshop titled "Nano- scale electronic devices" –Aristotle University of Thessaloniki (Greece) , 2011.
34. Attended a Training course titled "Hspice Simulator" - Jordan University of Science & Technology, 2010.
35. Asp.Net 45 hours Training Course at Jordan University of Science & Technology, 2009.
36. Attended a Training course titled "A++"- Jordan University of Science & Technology, 2008.
37. Part of several social and well-fair societies / One of the founders of the "Seventh sense charity association – SSCA"
38. Attended a Youth Conference at Amman, May 2009.
39. Attended a workshop titled "Body Language" - Civil Society Development Centre, 2006.
40. Attended a workshop titled "Report Writing" - Civil Society Development Centre, 2006.
41. Attended a workshop titled "Leadership Skills" - Jordan University of Science & Technology Injaz program, 2007.
42. Been a part of the conference foundational committee "To discuss for Jordan" – Jordan, Dead Sea, Jordanian Youth Forum 2011.
43. Been a part of the conference committee " Jordan's first Youth Forum" – Jordan, Petra; 2004.

RESEARCH INTERESTS

1. Robotics Systems
2. Cyber-Physical and Autonomous Systems
3. Edge AI
4. Design Automation for Nanotechnology

LANGUAGES

- Arabic.
- English.

REFERENCES

1. Dr. Waleed Shahab: Shahab@just.edu.jo
2. Dr. Omar Jarrah: o.aljarrah@arabou.edu.kw
3. Dr. Qussai Abu Ain: qabuein@just.edu.jo
4. Dr. Jamal Qundos: jamal.alqundus@gju.edu.jo
5. Dr. Mansour Al Fayez: m.alfayez@Tvtc.edu.sa