

M. Sanad AlTaher

mhaltaher18@eng.just.edu.jo

sanadaltaher.me

altaherm@oregonstate.edu

+1 (541) 250-7793

EDUCATION

PhD in Electrical and Computer Engineering | Oregon State University Sept. 2023 – present

Currently in my first term as a PhD student at the Corvallis campus, working in the Integrated Electronics research group, and focusing on electromagnetics.

BSc in Electrical Engineering | Jordan University of Science and Technology Sept. 2018 – July 2023

Completed the five-year ABET accredited degree, ranking 4th in a cohort of 78 students. **CGPA: 3.92/4.0**

Academic Exchange | Istanbul Aydin University Sept. 2021 – Jan. 2022

Studied in Istanbul for one semester under the Erasmus+ ICM academic exchange program. **GPA: 4.0/4.0**

EXPERIENCE

Graduate Teaching Assistant | Oregon State University – Corvallis, Oregon Sept. 2023 – present

Assisted in teaching undergraduate-level courses by conducting recitation sessions, holding office hours, proctoring exams, and grading exams and homeworks.

Research Internship | Manipal Institute of Technology – Manipal, India July 2022 – Sept. 2022

Researched Smart Grid technologies, mainly: PMU-PDC communication, fault detection, and data prioritization, then conducted simulations in OMNeT++.

Student Assistant | Microcontrollers Lab – JUST March 2021 – July 2021

Guided students in implementing experiments on simulation software, assisted in explaining experiments during lab sessions, helped students tackle issues with simulation software and circuit design, and assisted in developing a lab manual to be used in future semesters.

ACTIVITIES *(available upon request)*

Bachelor's Thesis | Jordan University of Science and Technology Oct. 2022 – June 2023

Developed and applied novel design approaches for waveguide directional couplers by simulating numerous couplers while incorporating recent trends like gap waveguides, under Prof. Nihad Dib's supervision.

Scientific Essays | Jordan University of Science and Technology

- *Channel Modeling for UAV-Enabled 6G Networks* Jan. 2023
- *Radar Electronic Counter-Countermeasures* June 2022
- *Wireless Power Transmission with Applied Metamaterials* May 2021

Hult Prize | Dubai, UAE March 2019

Led a team of four entrepreneurs, working on an innovative venture in the technological services field, to the regional finals, and pitched world-class investors.