Hamed Hassanein

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Steinfurter Str 79,48149,Münster

Nationality: Egyptian

Birthday: 16/10/1993

Marital Status: Married

Skill

Cadence AWR   ■ ■ ■ ■ ▫

KICAD   ■ ■ ■ ■ ▫

Python   ■ ■ ■ ■ ▫

LT-Spice   ■ ■ ■ ■ ▫

Soldering   ■ ■ ■ ■ ▫

QUCS   ■ ■ ■ ■ ▫

Latex   ■ ■ ■ ■ ▫

Machine Learning for physics   ■ ■ ▫ ▫ ▫

Inkscape   ■ ■ ■ ▫ ▫

Node js   ■ ■ ■ ▫ ▫

Cryostat Setup   ■ ■ ■ ■ ▫

Work Experience

Münster Universität (CENTECH)   10/2023 - Nowadays
MSc student

M.Sc. Thesis (ongoing) – University of Münster
AG Schuck (Prof. Dr. Carsten Schuck)
Cryogenic RF Low-Noise Amplifiers for SNSPD Readout
Design and characterization of cryogenic RF low-noise amplifiers for superconducting nanowire single-photon detectors. Extensive use of Cadence AWR, LTspice, QUCS, and Python for circuit simulation and optimization; PCB design, fabrication, and soldering. Hands-on work with GaAs HEMT and SiGe HBT technologies. Strong practical expertise in cryostat operation and cryogenic measurement techniques, including timing-jitter measurements for single-photon detection.
Expected completion in ~5 months.

Privat School in Kuwait   11/2018 - 05/2021
Physics Tutor

Physics teacher for the the high school students.

Education

M.Sc physics   10/2021 - Nowadays
Münster Universität

B.Sc physics   08/2012 - 07/2016
Minia University, Egypt

Reference

Prof Carsten Schuck
Universität Münster

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Prof. Medhat A. A. IBRAHIM
The British University in Egypt (BUE),

Email: Medhat.Ibrahim@bue.edu.eg

Language

Arabic

Mother tongue

English

my 2nd Language, for my BSc and MSc

German

B1 Niveau