Mohamed Abdelrahman Mohamed Aboubakr

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Birth.	24.10.1996 in Abu Dhabi
National	Egyptian
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Work Experiences

June 2019 – February 2021

mi2 factory, Jena, Germany

Semiconductor Engineer - Physics

- Doping nanostructure Material
- Modifying the refractive index / Doping profile Analysis
- Detecting the aspect ratios of the objects used in doping procedure
- C++ Simulation in nanostructure Material
- Doping nanostructure Material

June 2017 – July 2017

Al Futtaim Engineering, UAE

Electrical Engineer

- 2 months training in electric and power sections

June 2016 – July 2016

Federal Electricity and Water Authority, UAE

Electrical Engineer

- 2 months training in electric and power sections

Education

2017 – 2021

Master of Science in Engineering/Applied Physics

Fachhochschule Jena, Germany

- German Grade: 1.6 (A)

2013 – 2017

Bachelor Science in Electrical Engineering - Communication

Ajman University, UAE

- Grade: 4.0 (A)

Languages and PC knowledge

Languages

Arabic	Native
English	Professional
German	B1.2 Level

PC knowledge

Microsoft Office (Word, PPT, Excel)

C++ Coding | Python | Matlab

Cisco | Multisim | Trace-Pro

PLC | HTML | FEM | AutoCAD

Academic Projects

February 2021	Monte-Carlo Ion Implantation Simulations on a Masked Structure: Super-junction Devices
January 2020	Monte Carlo simulations of ion implantation with novel energy filter structures and setups
May 2017	Environmental Monitoring in UAE using Unmanned Aerial Vehicle

Publications

December 2017	Mohammed Abdelrahman, Ahmed Balkis, Ali-Abou Ahmed ElNour, Mohammed Tarique, "Environmental Monitoring System by Using Unmanned Aerial Vehicle", Network Protocols and Algorithms 2017; https://doi.org/10.5296/npa.v9i3-4.12021
April 2017	Ali Abou-Elnour, Mohamed Odeh, Mohammed Abdelrahman, Ahmed Balkis, Abdelraouf Amira, "Measurement of greenhouse gases in UAE by using Unmanned Aerial Vehicle (UAV)", Proc. SPIE 10168, (12 April 2017); https://doi.org/10.1117/12.2260026

Awards and Honors

September 2019	DAAD end-of-study scholarship for outstanding students.
April 2017	Best poster winner in the Ninth Annual Undergraduate Research Conference for "Water Quality Monitoring in UAE using UAVs" project at Zayed University.
November 2016	First place winner of A best project idea "Environmental Monitoring using Unmanned Aerial Vehicles" in "Fujairah innovates" competition at Ajman University.
April 2016	Elite University Student winner in "Hamdan Award".
January 2015	Second place winner in "Akoun" Business Idea Award.
December 2014	First place winner in "Elite University Student" competition at Ajman University.
November 2014	Second place winner in "Best project idea" in pioneer club at Ajman University.

Organizational Skills

Innovative, Hard Worker, Fast Learner, Problems Solver, Responsible, Enthusiastic, Self Motivated, Team Worker, Good in Communication Skills