

Mr. Omar Yasin

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PROFILE

Experienced University Lecturer with a demonstrated history of working in medical devices industry. Skilled in Medical Devices, PCB design, Computer Networking, Analytical Skills, Computer Literacy and Computer programming. Strong education professional with a Master's degree focused in Biomedical Engineering from FH Aachen.

EDUCATION

- 2005 – 2007** ***Aachen University of Applied Sciences (Germany)***
Master of Science in Biomedical Engineering
Thesis: Pulse Oximeter Design.
- 1999 – 2004** ***Princess Sumaya University for Technology (Jordan)***
Bachelor (5 Academic Years) in Electronics Engineering
Thesis: AM/FM radio.

University training:

- **Aug 2003 Computer & Communications Systems Ltd**
Internship: Network and computer engineer

TECHNICAL SKILLS

Advanced Skills:

- Maintenance of Medical devices
- PCB Design (Proteus)
- Microcontroller Programming
- Electronic Circuits design & simulation
- Single Board computers
- Troubleshooting

Basic Skills:

- FPGA Programming (VHDL)
- WEB Based Automation (IOT)
- OrCAD
- PICBasic
- Computer networks
- 3D design using FreeCAD
- 3D printing

EXPERIENCE

2016 – Now ***German Jordan University – Jordan***
Position: Full Time Lecturer

Teaching Subjects:

- Medical Electronics I/II (incl. Lab work)
- Digital Systems
- Medical Instrumentation I/II (incl. Lab work)
- Automatic Control (incl. Lab work)
- Numerical methods for Engineers

Additional Responsibilities:

- Training and assisting students in PCB design projects and fabrication methods
- Guidance and supervision of student's graduation projects

2008 – 2016 *Royal Scientific Society (Directorate of Biomedical Engineering)*

Position: Biomedical Engineer

Responsibilities:

- Analyzing and deciding the need of Ministry of Health for medical devices.
- Member of technical committees with the following tasks:
 - a) Accreditation of technical specification for the medical devices in Jordanian Ministry of Health tenders.
 - b) Studying all vendors' quotations (specifications, certification, and pricing).
 - c) Issuing initial awarding for tenders.
- Member of delivery committees with the following tasks:
 - a) Identifying the specification of the awarded devices upon delivery with the specification of the quotation of the supplier.
 - b) Testing the delivered devices upon installation.
- The follow up of the awarding and contracts (maintenance, legal aspect of the contract, and assuring the commitment of the supplier's periodic maintenance during the free warranty period)
- Maintenance upon request from the Ministry of Health.

2004 – 2005 *Middle East Complex for Engineering Electronics & Heavy Industries (MEC)*

Position: Quality Control Engineer in TV factory.

2004 *Nassim Al-Dada & partners Co*

Position: Network administrator in IT Department

CONFERENCE PAPERS

Paper Title	Authors	Conference name, date and location	Vol, No, pages
Bioreactor for Biopharmaceutical Production: Simple Controlled Environment Design	Walid Al-Zyoud, Rayan Bater, Talal Awad , Omar Yasin and Awad Al-Zaben	2018 IEEE 4th Middle East Conference on Biomedical Engineering March 28-30, 2018 Tunisia	
Detection of Human Chorionic Gonadotropin (hCG) Hormone using Digital Lateral Flow Immunoassay	Eyad Hamad, Ghadeer Hawamdeh, Noor Abu Jarad, Omar Yasin, Samer Al-Gharabli	40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society , Honolulu, HI, USA, July 17-21, 2018.	

PROJECTS

- Contactless ECG Electrodes.
- Web Based Bedside Monitor.
- 3D printer for medical applications.
- Bioreactor web Automation.
- Silicon based artificial muscle evaluation for medical application.

TRAINING COURSES

- Integra 400 (chemistry analyzer, Roche Diagnostics), maintenance course for customers (2010).
- ICDL (International computer driving license) (2010)
- MCP (Microsoft certified professional) training course, IT University (2003).
- Training course on medical equipment at the Directorate of Biomedical Engineering (29/8/2004 to 23/9/2004)

LANGUAGES

Fluent in both **English & Arabic**
Basic knowledge in **German**

REFERENCES AVAILABLE UPON REQUEST