Shahenaz Al Rajfi

Address:

- Teaching and Research Assistant
  Department of Mechatronics Engineering,
  School of Applied Technical Sciences,
  The German Jordanian University, Madaba, Jordan.
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Personal Information:

- Name: Shahenaz Abdullah A.K. Al-Rajfi
- Sex: Female
- Marital status: Married
- Date of birth: 5th. March.1989
- Place of birth: Jordan
- Nationality: Jordanian

Education:

August, 2019

- **M.Sc. Mechanical Engineering,**
  University of Jordan, Amman, Jordan.
  GPA: 3.66 out of 4, **Rating:** Excellent
  Thesis title: "Calculating the round-trip time for a pair of elevators in one shaft using the Monte Carlo simulation method".

January, 2013

- **B.Sc. Mechatronics Engineering,**
  University of Jordan, Amman, Jordan.
  GPA: 3.71 out of 4, **Rating:** Excellent,
  First in class of 2013, bachelor with distinction
  Graduation project: "Design Smart Pharmacy machine that gives the patients their medicine".

July, 2007

- **Tawjihi, General Secondary School Education Certificate,** AL-Rashad School, Jordan, **GPA:** 93.5 out of 100.

Award:

2013

- Abed AL Raheem Al-Saket award for scientific excellence in Mechatronics Engineering. The University of Jordan, Jordan

Work Experiences:

2013 - Until Now

- **Teaching and Research Assistant & Laboratory supervisor**
  Mechatronics Engineering Dept., German Jordanian University, Madaba, Jordan

Teaching Courses:

- Automatics Control Systems Laboratory: in this lab. we learn the GJU students' different types of controllers (ON-OFF, Lead Lag, and PID), and show them their application using deferent educational setups (Process trainer, Servo system, HVAC setup). Also, MATLAB software is used to the build blocks diagrams of any control system and simulate it.

- Vibration Laboratory: the aim of this lab. is to teach the GJU students the principals of free vibration of simple mass-spring systems, free damped response of simple mass-spring-damper systems, harmonically excited systems, frequency response of the harmonically excited systems, frequency response with base excitation. By applying practical experience with several physical experimental setups designed
- Measurements and Instrumentations Laboratory: the main aim of this lab. is to make the GJU students familiar with deferent type of sensors, measuring instrument, and how to use it.
- Computer Aided Engineering Drawing Laboratory (Manual & AutoCAD).

Engineering Training

- Seabird Aviation Jordan L.L.C, Marka Airport, Amman, Jordan, 2015.
- **Course on industrial robot system of KUKA Company:** Jordanian Project Partner within EC-Tempus Project JIM2L to the Training of the Trainer, Bochum University of Applied Sciences, Bochum, Germany, 2014
- **ThyssenKrupp Steel,** Werk Bochum, Germany, 2014

Certifications:

2013

- **2D AUTOCAD Course,** 30hours, Engineering Training Center, Jordan Engineers Association, Jordan.

Personal Skills:

- High attention to details.
- Highly motivated.
- Able to learn anything new.
- Very good communication skills.
- Able to work under pressure.
- Devoted & hard working.
- Flexibility and reliability.

Technical Skills:

- Ansys.
- MATLAB.
- Pro Engineer.
- Maple.
- LabView.
- AutoCAD.

Membership:

- Jordan Engineers Association –Electrical Engineering Branch of Mechatronics.

References:

- **Prof. Yousef Zurigat**, Prof .of Mechanical Engineering, the University of Jordan, Amman 11942, Jordan, and Ph.:+962(0) 6 535 5000.
- **Prof. Lutfi Al-Sharif,** Prof .of Building Transportation Systems, the University of Jordan, Amman 11942, Jordan, and Ph.:+962(0) 6 5355 000, ext.: 23025, Fax. +9626 5300 813.