

دائرة الموارد البشرية  
**Human Resources Department**

**Date: 30-9-2025**

**CURRICULUM VITAE**



**PERSONAL INFORMATION**

Faculty Member Name: **Amir Mohammed Abu\_Al\_Aish**

Academic Rank: **Associate Professor**

College: Aviation Sciences

Department: Aviation Electronics

Nationality: Jordanian

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**ACADEMIC QUALIFICATIONS**

- **B.Sc.** in Electronic Engineering
- Yarmouk University, Irbid, Jordan 2003
- **M.Sc.** in Electronic System Design Engineering
- University Science of Malaysia, Pinang, Malaysia 2006.
- Thesis Title: " Development of a low cost intelligent capacitive mass measuring System"
- **PhD.** in Measurement and Instrumentation Engineering
- University Science of Malaysia, Pinang, Malaysia, 2012,
- Thesis title:** Development Of Some Applications Of Capacitive And Fiber Optic Sensors In The Field Of Instrumentation.

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**ACADEMIC EXPERIENCE**

**1. PhD Academic Experience**

- Duration: 12 years. (2013-2025)
- University: Al Hussein Bin Talal University.
- Academic Rank: Associate Professor.
- Date the rank was granted: August. 2021.
- The body granting the rank: Al Hussein Bin Talal University.
- College: Engineering College.
- Country: Jordan.

**2. MSc Academic Experience**

- Duration: 3 years.(2009-2012)
- University: University science Malaysia.
- Research Assistant
- University science Malaysia.
- College: Electrical and Electronics Engineering College.
- Country: Malaysia

**NON-ACADEMIC EXPERIENCE**

- JORDAN TELECOMMUNICATION COMPANY (JTC), May 2003 – May 2004
- Country: Jordan.

**CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS**

- Jordanian Engineers Association JEA – 2003

**HONORS AND AWARDS**

- Fellowship for Ph.D research, University Science of Malaysia, 2008.
- Research grant, developing landslide monitoring system, MOSTI, 2007.
- Research grant, developing of capacitive mass sensor, USM, 2006.

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**SERVICE ACTIVITIES**

- Department Head - Sep 2015 to Sep 2016
- Electrical Engineering Department - Faculty of Engineering  
Communication Engineering Department - Faculty of Engineering

**THE MOST IMPORTANT PUBLICATIONS IN LAST FIVE YEARS**

1. Alrashdan, Mohd, Mahmoud A. Alnaanah, **Amir Abu-Al-Aish**, & Mohammad Zayed Ahmed. **(2023)**. Design of Disc Magnetic Brake Using Taguchi Method. *International Review of Electrical Engineering (IREE)*, 18.4, 283-290.
2. Alrashdan, M. H., Alnaanah, M., Al-Qudah, Z., & **Abu-Al-Aish, A. (2023)**. T-Shape MEMS PMPG design at low frequency range using Taguchi method. *Microsystem Technologies*, 29(5), 745-754.
3. Salah, W. A., Zneid, B. A., **Abu\_Al\_Aish, A.**, & Nofal, M. **(2023)**. Development of Smart and Portable Controllable Syringe Pump System for Medical Applications. *Journal of Engineering and Technological Sciences*, 55(3), 300-312.
4. Alnaanah, M., Alsafasfeh, M., Aljaafreh, A., & **Abu-Al-Aish, A.** An Optimized Fragile Image Watermarking Method for Tamper Detection and Recovery Using SPIHT and Reed-Solomon Coding. *Jordan Journal of Electrical Engineering* · Oct 9, **2021**
5. **Abu\_Al\_Aish, A.**, Salah, W., Ahmed, M., Alrashdan, M., & AL-Sawalmeh, W **(2021)**. Implementation of Contactless angular Speed Measurement Based on Photo Sensor. *PRZEGLĄD ELEKTROTECHNICZNY* 97 (3):80-84.
6. Ahmed MZ, Alrashdan MH, **Abu-Al-Aish A**, Majlis BY **(2020)** MEMS 3D-microtransformer fabrication on PCB using

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electrodeposition method. International Journal of Power Electronics 12 (3):317-331

7. **ABU\_AL\_AISH Amir**, H.S ALRASHDAN Mohd, ABU ZNEID Basem **(2020)** Design of Differential Cylindrical Capacitive Displacement Sensor. Journal of Electrical and Electronics Engineering 13 (1):5-8

**RESEARCH LINK (Scopus and Google Scholar)**

- <https://www.scopus.com/authid/detail.uri?authorId=26434255800>
- <https://scholar.google.com/citations?hl=en&user=7Y6omLEAAAAJ>
- [https://www.researchgate.net/profile/Amir-Abu-al-aish?ev=hdr\\_xprf](https://www.researchgate.net/profile/Amir-Abu-al-aish?ev=hdr_xprf)
- <https://orcid.org/my-orcid?orcid=0000-0002-4120-8065>

**LANGUAGES**

- Arabic, English.