

Ayat A. Al-Jarrah, (Instructor)

DEGREES:

- MS, Mechatronics Engineering
Jordan University of Science and Technology, 2011
- BSc, Mechanical/Mechatronics Engineering
Jordan University of Science and Technology, 2009



EXPERIENCE:

- **Academic:**

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|----------------|---|
| 2009–2011 | Teacher and Research Assistant, Jordan University of Science and Technology, Jordan |
| 2012–2015 | Teacher and Research Assistant, German Jordanian University, Jordan. |
| 2015 – Present | Instructor, The Hashemite University, Jordan. |

- **Industrial:**

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| 2008–2009 | Design Engineer, Arab Group Company, Jordan. |
| 2009–2009 | Design Engineer, AlFurat Company, Jordan |
| 2009–2010 | Training, The ministry of Public Works and Housing. |

COURSES TAUGHT:

- Automatic Control System.
- Modeling and Simulation.
- Mechatronics System Design.
- Dynamics and Vibration.
- Mechanical Design
- Engineering Drawing.

LABORATORIES TAUGHT:

- Instrumentation and Measurement Laboratory.
- Industrial Automation.
- Hydraulic and Pneumatic Laboratory.
- Process Control Laboratory.
- Electronics and logic Laboratory.
- Automatic Control Laboratory.

PUBLICATIONS:

Journals Papers:

- Rami AL-Jarrah, Hitham Tlilan, Ayat Al-Jarrah (2019). “Bounded Interval Fuzzy Control for Half Vehicle’s Active Suspension System”. *International Journal of Recent Technology and Engineering (IJRTE)*.
- M. Ababneh¹, A. A. Al-Jarrah¹, H. Sha'ban¹, S. BaniHani¹, A. M. Al-Jarrah¹, T. AlMomani², Y. A. AlHammad. (2017). “Recovering Waste Heat from Automobile Engine Using thermoelectric Power Generators”, *International Review of Mechanical Engineering*, Accepted (Nov. 2017).

PROFESSIONAL MEMBERSHIP:

- Jordanian Engineering Association (JEA).