

# TAREQ S. EL-HASAN

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## 1. Name:

Tareq S. El-Hasan

## 2. Education

- PhD in Electrical Engineering, University of Hertfordshire, UK, 2003.
- BSc in Electrical Engineering, Mu'tah University, Karak, Jordan, 1989.

## 3. Academic Experience

- Zarqa University, Jordan, Associate Professor, Electrical Engineering, 2017 - present, Full-time.
- Zarqa University, Jordan, Assistant Professor, Electrical Engineering, 2010 - 2017, Full-time.

## 4. Non-academic Experience

- King Abdullah II Design & Development Bureau (KADDB), Jordan, PMO Manager, 2003 – 2010, Full time.
- Jordan Armed Forces (JAF), Jordan, Engineering Officer, 1989 – 2003, Full time.
- Method Co, KSA, PM consultant, 2012 – 2015, Part-time.

## 5. Certification

PMO Manager Certification, AllPMO Network, USA, 2002.

## 6. Current Membership in Professional Organizations

Jordanian Engineers Association

## 7. Honors and Awards

Best Researcher Award for Faculty of Engineering, Zarqa University, 2015.

## 8. Service Activities

Vice Dean for Faculty of Engineering, Zarqa University, 2025-2026.

Electrical Engineering Chairman (several times), Zarqa University.

Vice Dean for Faculty of Engineering, Zarqa University, 2012-2013.

Member of several committees at the department, faculty and university levels.

## 9. Important Publications from Past Five Years

- SQ Blais, JK Abed, MJ Mnati, TS El-Hasan “Short review for design and implementation of a new low-cost prototype portable smart ventilator”, 2023, Journal of Techniques 5 (2), 32-38. Scopus.
- Tareq S. El-Hasan, “Correlated Analytical Method (CAM) for the Computation of Magnetic Flux Density and Induced Voltage in Coreless Axial Flux PM Generators (CAFPMG)”, Electrical Engineering, Springer 2023, Scopus Q2 & Clarivate ISI.

- Tareq S. El-Hasan, “Air-cored axial flux permanent magnet generator for direct driven micro wind turbines”, IET Renewable Generation, 2023, Scopus Q2 & Clarivate ISI.
- Shereen Q Blais, Jameel K Abed, Mohannad J Mnati, Tareq S. El-Hasan, “Short Review for Design and Implementation of a New Low-Cost Prototype Portable Smart Ventilator”, Journal of Techniques, 2023.
- Tareq S. El-Hasan, Mohammed Y Mosleh, Mohannad J Mnati, “Structural Analysis of Back-Iron for Axial-Flux PM High-Speed Machines”, IEEE 2022 International Engineering Conference on Electrical, Energy, and Artificial Intelligence (EICEEAI), Zarqa, Jordan.
- Tareq S. El-Hasan, “FE Modeling and Performance Analysis of a Coreless Axial-Flux Permanent Magnet Generator”, IEEE 2022 9th International Conference on Electrical and Electronics Engineering (ICEEE), Alanya, Turkey.
- Tareq S. El-Hasan, “Internet of Things (IoT) based remote labs in engineering”, IEEE 2019 6th International Conference on Control, Decision and Information Technologies (CoDIT), Paris, France.
- Tareq S. El-Hasan, “Development of Automotive Permanent Magnet Alternator with Fully Controlled AC-DC Converter”, Energies, 2018, Scopus Q1 & Clarivate ISI.

#### **10. Most Recent Professional Development Activities**

- Participated in Erasmus academic exchange at Ruse University, Ruse, Bulgaria, 2025.
- Participated at IEEE 2023 International Engineering Conference on Electrical, Energy, and Artificial Intelligence (EICEEAI), Zarqa, Jordan.
- Participated at IEEE 2022 International Engineering Conference on Electrical, Energy, and Artificial Intelligence (EICEEAI), Zarqa, Jordan.
- Participated at IEEE 2022 9th International Conference on Electrical and Electronics Engineering (ICEEE), Alanya, Turkey.
- Participated in Erasmus academic exchange at University Pedagogical Cracow (PUC), Krakow, Poland, 2020.
- Participated at IEEE 2019 6th International Conference on Control, Decision and Information Technologies (CoDIT), Paris, France.