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Basel Jouda is a lecturer in the department of Electrical Engineering at the University of Prince Mugrin (UPM), Madinah. He received his M.S. in Mechatronics Engineering from Philadelphia University, Jordan, in July 2023, and his B.Sc. in Electrical Engineering from Philadelphia University, Jordan, in July 2021. His research interests include fuel cell hybrid electric vehicles, energy management systems, robotics systems, and artificial intelligence applications.

**Qualification :**

- Master of Science in Mechatronics Engineering
- Bachelor of Science in Electrical Engineering

**Research Interest :**

- Electric Vehicles
- Energy Management
- Robotics
- Control Systems
- Artificial Intelligence

**Publications :**

- Deep stochastic reinforcement learning-based energy management strategy for fuel cell hybrid electric vehicles B Jouda, AJ Al-Mahasneh, MA Mallouh Energy Conversion and Management 301, 117973
- Comparative Modeling Study of Pneumatic Artificial Muscle Using Neural Networks, ANFIS and Curve Fitting MA Mallouh, WS Araydah, B Jouda, MA Al-Khawaldeh 2023 9th International Conference on Automation, Robotics and Applications ...
- Online reinforcement learning control of robotic arm in presence of high variation in friction forces A Al-Mahasneh, M Abu Mallouh, MA Al-Khawaldeh, B Jouda, O Shehata, ... Systems Science & Control Engineering 11 (1), 2251521
- Small-Sized Fuel Cell Hybrid Electric Vehicle: Design, Construction and Analysis MA Mallouh, B Jouda, M Salah, AJ Al-Mahasneh, M Hayajneh, ... 2024 IEEE 8th Energy Conference (ENERGYCON), 1-5”

**Other Accreditation:**

- Certified Electrical Engineer (Saudi Council of Engineers)