

1. Name

Mohammad Tariq Nasir

2. Education – degree, discipline, institution, year

- Ph.D., Control and systems engineering, King Fahd University of Petroleum & Minerals in systems and control engineering program: Graduated in June-2017.
- M.S., Mechatronic engineering, Jordan University of science and technology, June, 2011.
- B.S., Mechatronics Engineering, Jordan University, Amman, Jordan. In Aug-2008.

3. Academic experience – institution, rank, title, when, full time or part time

- Applied Science University, Assistant professor. Robotic and intelligence system engineering, electrical engineering department, 2023-present, FT.
- Applied Science University, Assistant professor. Mechanical engineering, Mechanical and industrial engineering department, 2017-2023, FT.

4. Non-academic experience – company or entity, title, brief description of position, when, full time or part time

- Robotics engineer at Al Wefaq Control Systems: responsible for Control systems for machines based on PLC (Siemens), (SCADA) WinCC flexible (Siemens), OPC server, CNC (Mach3, Camworks). Also, Machine element design chain roller, bearing selection, Proengineer drawing. During (1/5/2012 – 15/1/2013).
- Trained in the CEGCO (Central electricity Generation company), (11/10/2008 – 25/5/2008) by the Jordan Engineering Association.

5. Certifications or professional registrations

- Registered Engineer, Jordan Engineers Association, 2008.
- Empowering trainers EOT from wheat grain academy.
- Many online courses (machine learning, ROS, online teaching ...).

6. Current membership in professional organizations

- Jordan Engineers Association.

7. Honors and awards

- Winning the first award in the national sumo robot competition at HTU university. (2023)
- Winning third place the sixth Student Conference, held on Thursday, 2 April 2015 at King Abdul Aziz University, in Jeddah. In Basic and Engineering Sciences Field for graduation poster.
- Winning the best design prize in the FABLAB competition 2014.
- Winning the second place in the Universities Robotic competition (URC), Maze solving challenge, 2010/2011.

8. Service activities

- Chair, innovation and entrepreneurship committee, Applied Science Private University, 2020-2023.
- Head of the mechanical and industrial engineering department, Applied Science Private University, 2022-2023.
- Managing, the maker Zone and MIC project, , Applied Science Private University, 2020-still.

9. The most important publications and presentations from the past five years – title, co-authors if any, where published and/or presented, date of publication or presentation

- Nasir, M., Afaneh, D., Abdallah, S., Saleet, H., Novel Design of Hybrid Single Slope Solar Distiller with Photovoltaic Powered Thermoelectric System, J.sustain. dev. energy water environ. syst., 12(1), 1110474, 2024, DOI: <https://doi.org/10.13044/j.sdewes.d11.0474>
- Abdallah, Salah, Diaa Afaneh, and Mohammad Tariq Nasir. (2023) "Solar still with a hemispherical chamber stepwise basin and additional heaters powered by a PV system." Desalination and Water Treatment, 292,22–33
- Nasir, M. T., Afaneh, D., & Abdallah, S. (2022). Design Modifications for a Thermoelectric Distiller with Feedback Control. Energies, 15(24), 9612.
- NASIR, M. T., BEITHOU, N., BOROWSKI, G., & ALSAQOOR, S. (2022). Simulation studies of controllers for battery thermal management system with multi-thermoelectric modules. Przegląd Elektrotechniczny, 98(8).
- Abdallah, S., Nasir, M., & Afaneh, D. (2021). Performance evaluation of spherical and pyramid solar stills with chamber stepwise basin. Desalination and Water Treatment, 218, 119-125.
- Nasir, M. T., Afaneh, D., & Abdallah, S. (2020). High productivity thermoelectric based distiller. DESALINATION AND WATER TREATMENT, 206, 125-132.
- Albaghajati, Anas Mohammed, Mohammad Tariq Nasir, Lahouari Ghouti, and Sami El Ferik. "Seismic sensor deployment with a stereographically configured robot." U.S. Patent 9,891,626, issued February 13, 2018.
- Albaghajati, A.M., Nasir, M.T., Ghouti, L. and El Ferik, S., King Fahd University of Petroleum, 2017. Apparatus and method for deploying sensors. U.S. Patent 9,798,327.
- Mahmoud, M. S., & Nasir, M. T. (2017). Robust control design of wheeled inverted pendulum assistant robot. IEEE/CAA Journal of automatica sinica, 4(4), 628-638.

10. The most recent professional development activities

- Workshop on Moodle Essential and Exams, Applied Science Private University, October 28, 2021.
- Workshop on Microsoft Teams, Applied Science Private University, October 28, 2021.
- Workshop on Scientific Research and Promotions, Applied Science Private University, October 28, 2021.
- Workshop on Moodle Essential and Exams, Mutah University, April 20-25, 20219.
- Workshop on Developing the Electronic Content Engineering Courses, April 4-15, 2020.
- Workshop on The Plan of integration of E-learning in the Jordanian Universities.

- Conference on Arab arbitration laws and their effectiveness in preserving Arab rights in international arbitration, October 30, 2021.
- A plan to integrate e-learning in Jordanian universities, Mutah University, August 12, 2021.