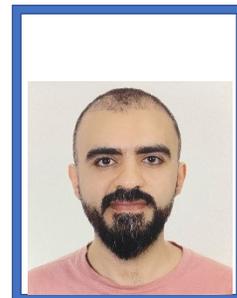


Academic Curriculum Vitae



Personal Information:

Full Name: Mustafa M. Mustafa
Academic Title: Lecturer
Email: mustafa.atrushi@su.edu.krd
Mobile: +9647504968787



Education:

- Ph.D. (Collaborative Program), Electrical Engineering [Jan 2021]
Department of Electrical Engineering, Salahaddin University-
Erbil, Iraq || Department of Mechanical and Aerospace
Engineering, University of Florida, Gainesville, Florida USA
- M.Sc., Electrical Engineering [May 2015]
Department of Electrical Engineering, Salahaddin University-
Erbil, Iraq
- B.S., Electrical Engineering [Jul 2009]
Department of Electrical Engineering, Salahaddin University-
Erbil, Iraq

Employment:

- Lecturer [Feb 2021–present]
Department of Electrical Engineering, Salahaddin University-
Erbil, Iraq
 - Conducting lectures and tutorials for undergraduate and graduate students
 - Assisting with developing and revising existing and new modules

- Supervising undergraduate students
 - Providing automation and control consultative services to private individuals

- Assistant Lecturer [June 2015–Jan 2021]
Department of Electrical Engineering, Salahaddin University-
Erbil, Iraq
 - Conducted lectures and tutorials for undergraduate students
 - Assisted with developing and revising existing and new modules
 - Supervised undergraduate students
 - Provided electrical and electronics consultative services to private individuals

- Electrical Engineer [Sep 2009–Dec 2012]
General Directorate of Construction and Housing, Duhok,
Kurdistan Region, Iraq.
 - Planned electrical layouts
 - performed load calculations to determine the electrical demand of a building
 - Assessed the power requirements for lighting, HVAC systems, appliances, and other electrical devices, ensuring that the electrical system can handle the expected loads
 - reviewed electrical designs and plans submitted by contractors or other design professionals
 - supervised the installation of electrical systems and equipment, ensuring that work is done according to the design and specifications

Qualifications

- Excellent writing, problem-solving, and presentation skills
- Proficiency in coding with Python and MATLAB
- Languages: Kurdish (native), English (advanced), Arabic (advanced)
- Advanced proficiency in Computer Aided Design (CAD)

Teaching experience:

- Linear Control Theory
- Nonlinear Control
- Adaptive Control
- Applied Robotics
- Engineering Mechanics – Statics and Dynamics
- Mathematics I & II
- Very Large-Scale Integration (VLSI)
- Circuits I & II
- Digital Electronics
- Analog Electronics
- CMOS circuits
- Physics for Engineers
- Robotics and Automation Laboratory
- Electronics Laboratory

Research and publications

- Mustafa, M. M., Hamarash, I., and Crane, C. D., "Dedicated Nonlinear Control of Robot Manipulators in the Presence of External Vibration and Uncertain Payload," *Robotics*, vol. 9, no. 1, p. 2, Jan. 2020.
- Mustafa, M. M., Crane, C. D., and Hamarash, I., "Equilibrium Formulation of a 3-DOF Compliant Planar Platform Mechanism using Sylvester's Dilytic Method," *Proc. International Conference on Control, Mechatronics and Automation*, TU Delft, Netherlands, November 2019.
- Mustafa, M. M., and Hamarash, I., "Microcontroller-Based Motion Control for DC Motor Driven Robot Link," *Proc. Aegean Conference on Electrical Machines and Power Electronics Optimization of Electrical and Electronic Equipment Conference*, Istanbul, Turkey, August 2019.
- Mustafa, M. M., and Ibrahim, M. A., Sulaiman, D. R., "Temperature Aware Design for High Performance Processors," *ICIT 2015 The 7th International Conference on Information Technology*, Amman, Jordan, May 2015

Conferences and courses attended

- Mustafa, M. M., and Hamarash, I., "Microcontroller-Based Motion Control for DC Motor Driven Robot Link," Proc. Aegean Conference on Electrical Machines and Power Electronics Optimization of Electrical and Electronic Equipment Conference, Istanbul, Turkey, August 2019.
- Mustafa, M. M., and Ibrahim, M. A., Sulaiman, D. R., "Temperature Aware Design for High Performance Processors," ICIT 2015 The 7th International Conference on Information Technology, Amman, Jordan, May 2015

Professional Social Network Accounts:

- [Mustafa Mustafa | LinkedIn](#)
- [Mustafa M. Mustafa - Google Scholar](#)
- [Mustafa MUSTAFA | Lectturar | Phd Student at The Department of Electrical Engineering, Salahaddin University-Erbil, Erbil, Kurdistan Region, Iraq | Salahaddin University - Erbil, Erbil | SUH | Department of Electrical Engineering | Research profile \(researchgate.net\)](#)