SAMER YAHYA HADI

Lecture Room: IGRM 2104
Email qxc5@txstate.edu

Education (order by newer to older)

- **Master (second master's degree) in Mechanical Engineering - Option III, Working Professional,** University of Texas at Austin. 2026.
- **Post Graduate Program in Artificial Intelligence & Machine Learning: Business Applications.** University of Texas at Austin, 2024.
- **Visiting Scholarhip in Systems Engineering Department**, University of Arkansas at Little Rock, 2019.
- **Ph.D. in Electrical Engineering Department, Robotics and Automation Engineering,** University of Malaya, Malaysia, 2012.
- **M.Sc. in Control and Systems Engineering/ Mechatronics Engineering,** University of Technology, Iraq, 2006.
- **B.Sc. in Mechatronics Engineering,** University of Baghdad, Iraq, 2003.

Work Experience

1- **Lecturer** (Texas State University)
Manufacturing Engineering, College of Science and Engineering, Ingram School of Engineering,
(January 2024- Onging)

Courses:

- MFGE 5326 - Adv Robotics
- MFGE 4378 – Introduction to Industrial Robotics
- MFGE 4176 - Manufacturing Lab 3 Intelligent Robot & Control
- MFGE 2332 - Material Selection & Manufacturing Processes
- MFGE 4357 - Dynamics of Machinery
- ENGR 1304 - Engineering Graphics
- ENGR 3311 - Mechanics of Materials

2- **Visiting Scholar** (University of Arkansas at Little Rock)
Department of Systems Engineering, George W. Donaghey College of Engineering and Information Technology,
(April 2017- May 2019)

Courses:

- SYEN 4185, Capstone Project I, Fall 2017
- SYEN 4385, Capstone Project II, Spring 2018

- Two patents have been assigned and seven journal papers have been published while I was researching at UALR

My research has focused on designing single motor lightweight redundant robots as well as designing, fabricating, and testing miniaturized decoupled and descattered MIMO antennas and sequential rotated antenna arrays.

3- **Assistant Professor** (The University of Nottingham, Malaysia Campus)
Mechanical, Materials and Manufacturing Engineering Department, Faculty of Engineering,
(September 2013- November 2016)

Courses:

- Control and Instrumentation
- Dynamics and Vibration
- Advanced Technology Review
- Design and Manufacturing
- Programming with MATLAB
- Group Design Project

4- Lecturer (Swinburne University of Technology, Sarawak Campus)
Robotics and Mechatronics Department, Faculty of Engineering,
(August 2012- August 2013)

Courses:

- Machine Dynamics 1
- Machine Dynamics 2
- Advanced Control
- CAE (Computer Aided Engineering)
- Robotic Control

5- **Lecturer:** University of Thi-Qar
Mechanical Engineering Department, Faculty of Engineering.
(July 2006-April 2008)

Courses:

- Control
- CAD (Computer Aided Design)
- ANSYS Lab

Computer Science Department, Faculty of Science.
(July 2006-April 2008)

Courses:

- Computer architecture
- Digital Systems

Research Keywords

Robotics Kinematics and Dynamics, Artificial intelligence (AI), Redundant Manipulators, Control, Neural Networks, Finite Element, CAD, CAM, CAE, Machine Dynamics.

Computer Software

Languages and Applications: Ansys, MATLAB, Solidworks, AutoCAD, Python, Lab View, and Mathematica.