

CV



Name: Maher Yahya Salloom Mohammed Al-Abbasi

DOB: 1962

General Specialization: Mechanical Engineering

Specific Specialization: Applied Mechanics/ control

Scientific Degree: Asst. Prof.

Languages: Arabic, English, Malay (little)

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Google Scholar Link:

<https://scholar.google.com/citations?user=khSTdAYAAAAJ&hl=en>

First: Scientific Certification:

No.	Certificate	Country	University	College	Date
1	BSc.	Iraq	Baghdad	Engineering	1984
2	MSc.	Iraq	Baghdad	Engineering	1999
3	PhD.	Malaysia	USM	Mechanical	2011



Second: University Teaching:

No.	Faculty	University	Dated (from – to)
1	Mechatronics/AL Khwarizmi Eng. College – External Lecturer	Baghdad	1999–2005
2	Mechatronics/AL Khwarizmi Eng. College – Member	Baghdad	2005–until now
3			

Third: Thesis Supervised By:

No.	Research Title	Branch	M.Sc. / PhD.	Year
1	Smart Sensing of Variable Pressure for Oil Well Safety Valve	Mechatronics	MSc.	2014
2	Control Of Arc Furnace Pole Using Proportional Hydraulic Valve	Mechatronics	MSc.	2014
3	Performance Of Remote Control Pneumatic Elevator Using PLC	Mechatronics	MSc.	2015
4	Proportional Hydraulic Control System of Overrunning Variable Load Actuator	Mechatronics	MSc.	2016
5	Variable speed and force of a hydraulic press using proportional valve and pressure sensor	Mechatronics	MSc.	2016
6	Monitor and quality control for automatic production line system	Mechatronics	MSc.	2017
7	Product Development From 3D Scanner to CNC Machine in Reverse Engineering	Automated Manufacturing	MSc.	2018
8	Design and implementation of 3D printer for metal parts production	Automated Manufacturing	MSc.	2018
9	Pneumatic control system of automatic production line and robotic using SCADA implement PLC	Automated Manufacturing	MSc.	2019
10	Sequence Optimization of Automated Manufacturing Systems Controlled Using PLC	Automated Manufacturing	MSc.	2020
11	Design and implementation of a mobile robot with a self-balanced platform	Mechatronics	MSc.	2021
12	Design and experimental performance of Magnetorheological directional control valve	Mechatronics	MSc.	2021



Forth: Conferences Participated In:

No.	Conference Title	Year	Place	Participation Type
1	Reconstruction and manufacture of high-tension transformers at 1992.	1992	Baghdad	paper
2	First national conference for mechanical engineering	2000	Kufa-Iraq	paper
3	The International Conference on Manufacturing Science and Technology (ICMST 2011)	2011	Singapore	paper
4	The 4th Regional Conference on Manufacturing	2011	Indonesia	paper
5	The international conference on physics and engineering	2013	Baghdad	paper
6	4th International Conference on Aerospace, Mechanical, Automotive and Materials Engineering	2015	Malaysia	paper
7	2 nd Arab conf. for Robotics & Artificial Intelligence	2013	Jordan	paper
8	Symposium on renewable of energy applications	2015	Baghdad	Attendance
9	Many Symposiums at Mecahatroincs Dep.and coll.	2011to now	Baghdad	Participate , Attendance
10	The 1st Annual Conference on Engineering, ICT and Vocational Education (ACEIVE) on November 25, 2017	2017	Indonesia	Keynote speaker
11	The International Conference (4th-SICN-2019) 29 April 2019	2019	Najaf	Paper
12	2 nd International Conference on Materials Engineering & Science (Iconmeas 2019)	2019	Baghdad	Paper

Fifth: Research Projects in The Felid of Specialization Concerning Environment & Society or the Development of Education:

No.	Research Title	Place of Publication	Year
1			
2			
3			



Sixth: Membership:

No.	Name of Group	Year	Membership Type
1	Iraqi society of Engineers (Ise)	2017	Member of authority
2	Mech. & Elect. Committee in Ise	2017	Head
3	Iraqi society of Engineers (Ise)	2018	Member of authority
4	Mech. & Elect. Committee in Ise	2018	Head
5	Consultant Brue panel	2014	Member

Seventh: Scientific Activities:

No.	Activity Type [□]	Activity Place	Year	(in/out) College
1	Scientific mem. panel	3 rd conf. on sust.& renew Energy	2017	out
2	Scientific mem. panel	4 th conf. on sust.& renew Energy	2018	out
3	Scientific mem. panel	1 st Conference on Modern Electrical, Mechanical Engineering System and Application	2019	out

¹ Activity Type: Research, industrial, commercial, exchange of scientific expertise... etc.



Eighth: Courses You Taught:

No.	Branch	Material	Year
1	Mechatronics Dep.	CAM systems	2005-1999
2	Mechatronics Dep.	Sensors	2003-2001
3	Mechatronics Dep.	Theory of Machine	2004-2001
4	Mechatronics Dep. and Auto. Manufacture Dep.	Hydraulics & Pneumatic systems	-2011 until now
5	Mechatronics Dep.-Postgraduate	Artificial Intelligence	2014-2012
6	Mechatronics Dep. and Auto. Manufacture Dep.-Postgraduate	Industrial Automation and Robotics	-2013 until now
7	Mechatronics Dep. UOB and Product & menial Eng. Dep. UOT	Automation systems	2015-2018
8	Automated Manufacture Dep.	Automation Design process	
9	Product & menial Eng. Dep. UOT	Mechatronics Systems Design	2015-2018

Ninth: Published Researches in/out Iraq:

No.	Research Title	Scientific Journal	Issue	Vol.	Issuer Journal
1	Finite element Modelling and simulation of proposed design magneto- rheological valve	The International Journal of Advanced Manufacturing Technology		54	Springer
2	Magneto-rheological directional control valve	The International Journal of Advanced Manufacturing Technology		58	Springer
3	Simulation and Design Optimization of Magneto- Rheological Control Valve	International Journal of Mechanical and Materials Engineering (IJMME)	2	6	UM / Malaysia
4	Design and Modelling Magneto- Rheological directional control valve	Journal of Intelligent Material Systems and Structures		23	saga



No.	Research Title	Scientific Journal	Issue	Vol.	Issuer Journal
5	Experimental test of Magneto-Rheological directional control valve	Advanced material Research		383	Singapore
6	Intelligent Magneto-Rheological Fluid Directional Control Valve	International Journal of Innovation, Management and Technology	4	4	Singapore
7	Stabilizing Gap of Pole Electric Arc Furnace Using Smart hydraulic system	Al-Khwarizmi Engineering Journal	1	11	Al-Khwarizmi Engineering College
8	Smart Sensing for Variable Pressure of Oil Well Safety Valve Using Proportional Pressure Control valve	مجلة اتحاد الجامعات العربية للدراسات والبحوث الهندسية	2	22	اتحاد الجامعات العربية
9	Machine vision application in manufacturing: inspection of dimensions	The Iraqi Journal For Mechanical And Material Engineering	3	16	Babel university
10	Product Development From 3D Scanner To CNC Machine In Reverse Engineering	ARNP Journal of Engineering and Applied Sciences	11	13	Asian Research Publishing Network (ARNP). All rights reserved
11	Pneumatic Control System of Automatic Production Line Using SCADA Implement Arduino	Journal of Al Rasheed University College	Accepted		Al Rasheed University College
12	Pneumatic Control System of Automatic Production Line Using Two Method of SCADA/HMI Implement PLC	Al-Khwarizmi Engineering Journal	3	15	Al-Khwarizmi Engineering College
13	Pneumatic Control system of Automatic production line using SCADA implement PLC	4 th - 2019 Scientific International Conference Najaf (SICN)	19431263		IEEE
14	FEM analysis and design of permanent magnet disk type magneto-rheological (MR) valve	AIP Conference Proceedings	2213	020324	AIP
15	Arduino-Based Controller for Sequence Development of Automated Manufacturing System	Al-Khwarizmi Engineering Journal	3	16	Al-Khwarizmi Engineering College



No.	Research Title	Scientific Journal	Issue	Vol.	Issuer Journal
16	Comparison Sequences of Pick and Place System Controlled Using PLC	Al-Nahrain Journal for Engineering Sciences	4	23	Al-Nahrain University- College Of Engineering
17	Developing of a 3D printer to produce parts using powder metal	International Journal on Advanced Science, Engineering and Information Technology	4	10	INSIGHT - Indonesian Society for Knowledge and Human Development
18	A Study to Evaluate the Calibration of Optical Three-Dimensional Scanner	Journal of Mechanical Engineering Research and Developments	8	44	CODEN: JERDFO
19	Simulation of a Self-Balancing Platform on the Mobile Car	Al-Khwarizmi Engineering Journal	3	17	Al-Khwarizmi Engineering College
20	Analysis of Magnetorheological Normally Close Directional Control Valve	Al-Khwarizmi Engineering Journal	4	17	Al-Khwarizmi Engineering College
21	Analysis and Design of magnetorheological Permanent Magnet annular valve	International Journal of Mechanical Engineering	1	7	Kalahari Journals

Tenth: Awards and Certificates of Appreciation:

No.	Name of Awards or Certificate	Donor	Year
1	Bronze medal. (ITEX 2010)	21 th International Invention, Innovation and Technology Exhibition (ITEX 2010)	2010
2	Scientific Day award	Min. of High Educ. And Sci. Res.	2012
3	Many Acknowledgment	Chancellor	From 2012
4	Many Acknowledgment	Dean	From 2011
5	Many Certificate	Dean	From 2013
6	Many Acknowledgment	Minister	From 2019



■ Eleventh: Scientific literature:

No.	Scientific Literature Title	Year of The Publication
1	Magneto-Rheological Directional Control Valve Concept and Design	2013
2	Chapter: Modeling Behavior of Magnetorheological Fluids Published in the Encyclopedia of Smart Materials published by Elsevier	2022

■ Twelfth: Career:

No.	Career	Workplace	From -To
1	Mechanical Eng. Designer	IAEC	1985–1992
2	Head of Mechanical Eng. Design Dep.	Saad Company/ Military production	1992– 1996
3	External Lecturer	Mechatronics Department	1999–2005
4	Asst. Lecturer	Mechatronics Department	2006 –2011
5	Lecturer	Mechatronics Department	2011– 2015
6	Asst. Prof.	Mechatronics Department	2015 until now
7	Asst. Dean for management and financial	Al- Khwarizmi Engineering College UOB	2013–2015
8	Dean	Al- Khwarizmi Engineering College UOB	2019 – 2021