CV

Name: **Kamal Rsetam**

DOB:**18/04/1979**

General Specialization: **Applied mechanics**

Specific Specialization: **Control Engineering**

Scientific Degree: **PhD**

Languages: **Arabic and English**

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krsetam@gmail.com

First: Scientific Certification:

No.	Certificate	Country	University	College	Date
1	BSc	Iraq	University of Technology	Mechanical Engineering – General Mechanics	2003
2	MSc	Iraq	University of Technology	Applied Mechanics- Vibration Engineering	2007
3	Ph.D.	Australia	Control Engineering	Swinburne University of Technology	2020
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Second: University Teaching:

No.	Faculty	University	Dated (from – to)
1	Al-Khwarizmi College of Engineering	Baghdad University	2007 - 2013
2	Faculty of Science, Engineering and Technology	Swinburne University of Technology	2019-2020
3	Al-Khwarizmi College of Engineering	Baghdad University	2020 - now

No.	Faculty	University	Dated (from – to)
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Third: Thesis Supervised By:

No.	Research Title	Branch	M.Sc. / PhD.	Year
1	Advanced control schemes for flexible joint robots	Department of Telecommunications, Electrical, Robotics and Biomedical Engineering	PhD in (Swinburne University of Technology)	2021 – now
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Forth: Conferences Participated In:

No.	Conference Title	Year	Place	Participation Type
1	Robust State Feedback Control of Electric Heating Furnace Using a New Disturbance Observer	2022	*TENCON 2021 - 2021 IEEE Region 10 Conference (TENCON),* ***New-Zealand***	Conference paper
2	Sliding mode control based on high order extended state observer for flexible joint robot under time varying disturbance	*2021*	*2 nd International Conference for College of Engineering,* ***Baghdad***	Conference paper
3	Super-twisting based integral sliding mode control applied to a rotary flexible joint robot manipulator	2017	*Asian Control Conference (ASCC), China*	Conference paper
4	ESO-based repetitive control for rejecting periodic and aperiodic disturbances in piezoelectric actuators	2017	*11th Asian Control Conference (ASCC), China*	Conference paper
5	Hierarchical non-singular terminal sliding mode controller for a single link flexible joint robot manipulator	2017	*2017 IEEE 56th Annual Conference on Decision and Control (CDC), Australia*	Conference paper
6	Optimal second order integral sliding mode control for a flexible joint robot manipulator	2017	*43rd Annual Conference of the IEEE Industrial Electronics Society, Australia*	Conference paper
7	Hierarchical sliding mode control applied to a single-link flexible joint robot manipulator	2016	*International Conference on Advanced Mechatronic Systems (ICAMechS) ,Australia*	Conference paper
8	Effect of Cutting Parameters on Surface Roughness When Milling Hardened AISI D2 Steel (56 HRC) Using Taguchi Techniques	2012	ASME International Mechanical Engineering Congress and Exposition, *USA*	Conference paper
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Fifth: Research Projects in The Felid of Specialization Concerning Environment & Society or the Development of Education:

No.	Research Title	Place of Publication	Year
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Sixth: Membership:

No.	Name of Group	Year	Membership Type
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Seventh: Scientific Activities:

No.	Activity Type [1]	Activity Place	Year	(in/out) College
1	Research	Iraq	2022	in
2	Research	Iraq	2022	in
3	Research	Iraq	2022	in
4	Review (12)	Iraq	2022	in
5	Review (23)	Iraq	2021	in
6	Research	Australia	2020	out
7	Research	Australia	2019	out
8	Research	Australia	2019	out

Eighth: Courses You Taught:

No.	Branch	Material	Year
1	Department of Automated Manufacturing, Al Khwarizmi College of Engineering	Statics Engineering	2007-to-2013
2	Department of Automated Manufacturing, Al Khwarizmi College of Engineering	Dynamics Engineering	2007-to-2013
3	Department of Automated Manufacturing, Al Khwarizmi College of Engineering	Engineering Drawing	2020-2021
4	Department of Automated Manufacturing, Al Khwarizmi College of Engineering	Robotics I, II	2020-2021

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

5	Department of Automated Manufacturing, Al Khwarizmi College of Engineering	Robotics I, II	2021-now
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Ninth: Published Researches in/out Iraq:

No.	Research Title	Scientific Journal	Issue	Vol.	Issuer Journal
1	Robust adaptive active disturbance rejection control of an electric furnace using additional continuous sliding mode component	ISA Transactions (***IF=5.468***)	2022	To be published	*Elsevier*
2	Robust Composite Temperature Control of Electrical Tube Furnaces by Using Disturbance Observer	*Case Studies in Thermal Engineering* (***IF=4.724***)	30		*Elsevier*
3	Design of Robust Terminal Sliding Mode Control for Underactuated Flexible Joint Robot	*IEEE Transactions on Systems, Man, and Cybernetics: Systems(IF=13.4)*	2021	To be published	To be published
4	Cascaded-Extended-State-Observer-Based Sliding-Mode Control for Underactuated Flexible Joint Robot	*IEEE Transactions on Industrial Electronics(IF=8.2)*	no. 12	vol. 67	Dec. 2020
5	Finite-Time Continuous Terminal Sliding Mode Control of Servo Motor Systems	*IEEE Transactions on Industrial Electronics(IF=8.2)*	no. 7	vol. 67	July 2020
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Tenth: Awards and Certificates of Appreciation:

No.	Name of Awards or Certificate	Donor	Year
1	Reviewer Certificate	Robust and Nonlinear Control Journal	Feb.2020
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Eleventh: Scientific literature:

No.	Scientific Literature Title	Year of The Publication
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Twelfth: Career:

No.	Career	Workplace	From -To
1	Assistant Researcher	Australia	2019-2020
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