Curriculum Vitae (CV)

1. **Name Surname:** Mohammed ALKRUNZ

   Address: Electrical & Electronics Engineering, Istanbul Aydin University

   GSM:

   e-mail eng.mkrunz@gmail.com

2. **Date of Birth:** June 10, 1987
3. **Title:** Assistant Professor
4. **Education Status:** PhD Degree

Degree	**Area**	**University**	**Year**
BSc.	Electrical Engineering	The Islamic University of Gaza	2005-2010
MSc.	Electrical & Electronic Engineering	Sakarya University	2013-2015
PhD	Control & Automation Engineering	Istanbul Technical University	2015-2021

5. 5. Academic Positions

Academic Titles	**University**	**Year**
Assistant Professor	Istanbul Aydin University	January 2021 –
Lecturer	Istanbul Aydin University	September 2017 – December 2020
Teacher Assistant	The Islamic University of Gaza	September 2010 – October 2012
Teacher	The Islamic University of Gaza	July 2012 – October 2012

6. Supervised Master's and Doctoral Theses

6.1 Master's Theses

6.2 Doctoral Theses

7. Publications

7.1 Articles Published İn İnternational Peer-Reviewed Journals

1) Mohammed Alkrunz and Yaprak Yalcin, “Adaptive interconnection and damping assignment passivity-based control for Linearly Parameterized Discrete-Time Port Controlled Hamiltonian Systems via I&I Approach”. *International Journal of Adaptive Control and Signal Processing*. 2021; 35: 69-88. http://doi.org/10.1002/acs.3187

2) Mohammed Alkrunz and Yaprak Yalcin, “Discrete-time I&I Adaptive Interconnection and Damping Assignment Passivity-Based Control for Nonlinearly Parameterized Port-controlled Hamiltonian Systems”, *International Journal on Robust & Nonlinear Control*. [Under Review]

7.2 Papers Presented At İnternational Scientific Meetings and Published in the Proceedings

1) Mohammed Alkrunz and Yaprak Yalcin, "Discrete Time I&I Adaptive Control for a Class of Uncertain Port-Controlled Hamiltonian Systems", 2019 6th International Conference on Electrical and Electronics Engineering (ICEEE), 16-17 April 2019, (pp. 207-214), IEEE.

7.3 International Books or Chapters in Books

7.4 7.4 Articles Published In National Journals

1) Mohammed Alkrunz and Irfan Yazici, "Design of Discrete Time Controllers for DC-DC Boost Converter", Sakarya University Journal of Science, SAÜ Fen Bil Der 20. Cilt, 1. Sayı, s. 75-82, 2016.

7.5 Papers Presented At National Scientific Meetings and Published in the Proceedings Book

7.6 Other Publications

Programmable Logic Controller Lab	Lecture Notes	The Islamic University of Gaza	2012
Electrical Circuits	Lecture Notes	The Islamic University of Gaza	2012
SCADA Systems Techniques	Course Notes	The Islamic University of Gaza	2012
Microcontroller Techniques	Course Notes	The Islamic University of Gaza	2011
Programmable Logic Controller Techniques	Course Notes	The Islamic University of Gaza	2011
Control Systems Lab	Lecture Notes	The Islamic University of Gaza	2011
Microcontroller Lab	Lecture Notes	The Islamic University of Gaza	2011

8. Projects

9. Administrative Positions

Head of Control Systems Department	Company of Palestine	2011- 2012
Technological Engineer Meeting Coordinator	The Islamic University of Gaza	2010
Faculty of Engineering Exhibition Coordinator	The Islamic University of Gaza	2010

10. Memberships of Scientific Organizations

11. Awards

Best Article Award	ICEEE 2019	2019
Master Scholarship	Turkey Scholarship	2012-2015
PhD Scholarship	TÜBÜTAK	2015-2019
BSc. Scholarship	Excellence Scholarship	2005-2010

12. Fill in the table, the courses given in recent years for undergraduate and graduate levels

Academic Year	Semester	Course Name	Weekly Hour		# of Students
			Theory	Practice	
2017-2018	Fall	Optimization Methods	3	-	49
		Illumination Techniques	3	-	47
		Discrete Mathematics	3	-	67
		Complex Variables & Applications	3	-	77
		Circuit Laboratory II	-	2	41
		Graduation Project Design -I	2	4	8
	Spring	Illumination Installation Project Design	3	-	56
		Circuit Theory -I	3	-	1
		Circuit Theory -II	3	-	49
		Circuit Laboratory –I	-	2	65
		Intelligent Control Systems	3	-	52
		Control Systems	3	-	68
		Graduation Project Design -II	2	4	8
	Summer	Optimization Methods	6	-	7
2018-2019	Fall	Optimization Methods	3	-	36
		Illumination Techniques	3	-	45
		Discrete Mathematics	3	-	51
		Circuit Laboratory II	-	2	43
		Embedded System Design	3	-	36
		Graduation Project Design –I	2	4	10
	Spring	Illumination Installation Project Design	3	-	35
		Circuit Laboratory –I	-	2	44
		Intelligent Control Systems	3	-	42
		Control Systems	3	-	49
		Graduation Project Design -II	2	4	10
2019-2020	Fall	Optimization Methods	3	-	55
		Illumination Techniques	3	-	49
		Discrete Mathematics	3	-	41
		Circuit Laboratory II	-	2	32
		Embedded System Design	3	-	47
		Graduation Project Design –I	2	4	20
	Spring	Illumination Installation Project Design	3	-	46
		Circuit Laboratory –I	-	2	50
		Intelligent Control Systems	3	-	38
		Control Systems	3	-	46
		Graduation Project Design –II	2	4	20
2020-2021	Fall	Optimization Methods	3	-	20
		Illumination Techniques	3	-	31
		Discrete Mathematics	3	-	58
		Circuit Laboratory II	-	2	37
		Embedded System Design	3	-	26
		Graduation Project Design –I	2	4	5
	Spring	Illumination Installation Project Design	3	-	17
		Circuit Laboratory –I	-	2	43
		Intelligent Control Systems	3	-	20
		Control Systems	3	-	41
		Graduation Project Design –II	2	4	6