

# CV

- 1. Name Surname:** YASER ALAIWI
- 2. Date of Birth:** 1982
- 3. Title:** Assistant Professor
- 4. Education:**

Degree	Area	University	Year
PhD	Mechanical Engineering	Istanbul University	2020
MSc	Mechanical Engineering	Aleppo University	2010
Bachelor's Degree	Mechanical Engineering	Aleppo University	2007

## 5. Academic Titles

Asst. Prof. Dr.	Mechanical Engineering	Altınbaş University	2021- cont.
Lecturer	Mechanical Engineering	Istanbul University	2016- 2019

## 6. Supervised Master's and Doctoral Theses

Thesis Title	Supervisor	Year
"Quadcopter adaptive trajectory tracking control design and stability analysis"	Asst. Prof. Dr. Yaser ALAIWI	2022
"Effect of using waste food as a filler on the denture mechanical properties"	Asst. Prof. Dr. Yaser ALAIWI	2022
"Effect of Geometrical Shape on the Crashworthiness Performance of Composite Materials"	Asst. Prof. Dr. Yaser ALAIWI	2022
"Investigation of the effective factors on solar powered fixed-wing UAV for extended flight endurance."	Asst. Prof. Dr. Yaser ALAIWI	2022
"Development and Characterization of Recycled Polymers by Using Natural Fibers"	Asst. Prof. Dr. Yaser ALAIWI	2022

## 7. Publications

### 7.1 Published Papers in International Peer-Reviewed Journals

- A. M. Hamad and Y. Alaiwi, "**Localization and Identification of UAVs System Using Image Processing**" 2022 International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA), 2022, pp. 1-6, doi: [10.1109/HORA55278.2022.9799827](https://doi.org/10.1109/HORA55278.2022.9799827).

- Alaiwi Y., Mutlu A., "**Modelling, Simulation and Implementation of Autonomous Unmanned Quadrotor**", International Journal for Science, Techniques and Innovations for the Industry "Machines. Technologies. Materials", vol.12, pp.320-325, 2018
- Alaiwi Y., Mutlu A., "**Simulation and Motion Control of Industrial Robot**", INTERNATIONAL SCIENTIFIC JOURNAL INDUSTRY 4.0, vol.4, pp.175-178, 2017
- Alewe Y, Jesri A., "**Study of The Optimum design of Corrugated Plastic Pipes**", Aleppo university research magazine 2010, Engineering Sciences Series, VOL 87, pp.260-278, 2010.
- Alewe Y, Jesri A., "**Simulation of Ring Stiffness and Flexibility Test of Corrugated Plastic Pipes According to ISO 9969 & EN 1446**", Aleppo university research magazine, Engineering Sciences Series, VOL 60, pp.172-200, 2008.

## 7.2 Published Papers in National Peer-Reviewed Journals

- Al Hussian A., Alaiwi Y, "**Ways of Teaching in Finland and a New Look to Teaching Syrian Refugees**" Route Educational and Social Science Journal ISSN: 2148-5518, Volume 5(3), pp.151-169, February 2018.

## 7.3 International Conference Papers

- A. M. Hamad and Y. Alaiwi, "**Localization and Identification of UAVs System Using Image Processing**", 2022 International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA), 2022, pp. 1-6, doi: [10.1109/HORA55278.2022.9799827](https://doi.org/10.1109/HORA55278.2022.9799827).
- Alaiwi Y., Mutlu A., "**Modelling, Simulation and implementation of Autonomous Unmanned Quadrotor**", XV International Scientific Conference Machines, Technologies, Materials, Varna, BULGARISTAN, 12-15 Eylül 2018, no.9, pp.193-199
- Alaiwi Y., Mutlu A., "**Simulation and motion control of industrial robot** ", SECOND INTERNATIONAL SCIENTIFIC CONFERENCE "INDUSTRY 4.0", Sofia, Bulgaria, 13-16 December 2017, vol.1, pp.9-12
- Alaiwi Y, Jesri A, "**Parallel Plate Testing and Simulation of Corrugated Plastic Pipes According to ISO 9969 & EN 1446**", CIFMA03 international conference, Aleppo, Syria, 26-30 April 2008.

## 7.4 National Conference Papers

- Al Hussian A., Alaiwi Y, **“Ways of Teaching in Finland and a New Look to Teaching Syrian Refugees”** The Second International Symposium Syrian Refugees Between Reality and Expectation, Adiyaman, October 2017

## **8. Projects**

- **“The Guidance and Control of Unmanned Aerial Vehicle Flight Path”** project numbered FDK-2018-32422, which is supported by scientific research projects division at mechanical engineering department in Istanbul University-Cerrahpaşa. (2019-2020)

## **9. Scientific Committee Membership and/or Referee:**

- **Journal of the Brazilian Society of Mechanical Sciences and Engineering**
- **MINAR International Journal of Applied Sciences and Technology**

## **10. Awards**

Istanbul University YTB Doctorate Scholarship 2015

## 11. Undergraduate And Graduate Level Courses In The Last Two Years.

Academic Year	Semester	Course Title	Weekly Hours		Number of Students
			Theory	Lab	
2021-2022	Fall	ME209 Statics	3	0	50
		ME341 Manufacturing Processes	2	4	30
		ME491 Design Project I	1	0	5
		ME492 Design Project II	1	0	1
		IES100 Introduction to Engineering Sciences	2	0	50
		ME541 Advanced Computer Aided Design	3	0	30
		ME599 Master Thesis Project	5	0	14
	Spring	ME212 Dynamics	3	0	30
		IE258 Manufacturing Processes	3	1	30
		END258 İmalat Usulleri	3	1	3
		ME491 Design Project I	1	0	2
		ME492 Design Project II	1	0	4
		ME466 Unmanned Aerial Vehicle (UAV) Design	3	0	15
		ME540 Finite Element Analysis in Engineering	3	0	30
		ME599 Master Thesis Project	5	0	14

**Note:** If opened, the courses given in the summer term will also be added to the table.

February 2022

### 12. Reviewer of The Following Journals:

- ❖ Journal of the Brazilian Society of Mechanical Sciences and Engineering
- ❖ AURUM Journal of Engineering Systems and Architecture
- ❖ Engineering and Technology Journal
- ❖ Sakarya University Journal of Science