Fady Alami

Palestine, Gaza

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[in] Fady Alami

- B.D.: 2nd February, 1987
- Gender: male
- Nationality: Palestinian, Moroccan

EDUCATION:

Ph.D. **2014-2020** Electrical Engineering Istanbul University **Istanbul - Turkey**
Thesis: Control Algorithms Applied to UAV for Search and Rescue Over Water

M.S. **2010-2013** Electrical Engineering Islamic University **Gaza - Palestine**
Project: Adaptive Hierarchical Fuzzy controller for HVAC Systems in Low Energy Buildings

BSc. **2004-2009** Communication & Control Engineering Islamic University **Gaza - Palestine**
Project: Fire Fighting & Security Monitoring System

PUBLICATIONS:

June 2020 Alami, Fady, Hussian, AbdlRahman, and Ajlouni, Naim. "Design and Implementation of a Multi-Stage PID Controller for Non-Inertial Referenced UAV." Electrica, vol. 20, no. 2, 2020, pp. 199–206., doi:10.5152/electrica.2020.20004

March 2019 Alami, F., Ajlouni, N., "Design and Implementation of a Non-Linearly Controlled Non-inertial referenced UAV", Applied Research international conference on Millennial Technology Challenges (ARICMTC) ISTANBUL 2019, 28-29 March 2019

June 2015 Hamed, Basil, and Fadi Alami. "Adaptive Hierarchical Fuzzy Controller for HVAC Systems in Low Energy Buildings." Academic Platform Journal of Engineering and Science, vol. 3, no. 2, 2015, pp. 1–7., doi:10.5505/apjes.2015.46220

ACADEMIC EXPERIENCE:

2/2022 - Present **Lecturer at Islamic University**
Intelligent Systems department *Subjects taught: Sensors and Awareness*

9/2021 - Present **Lecturer at Palestine University**
Software Engineering department *Subjects taught: Artificial Intelligence*

9/2021 - Present   **Lecturer at Gaza University**

Computer Engineering department *Subjects taught: Electric circuits, Logic design and Electronics*

9/2017 - 5/2018   **Research assistant at University College of Applied Science**

Information Technology department *Subjects taught: Microcontroller Lab, Electronics, Circuits Lab*

12/2015 - 6/2016   **Research assistant at Istanbul University**

Electrical and Electronics Engineering department Istanbul, Turkey *Subjects taught: Communication, Circuits and Logic Labs*

Supervised projects:

- Smart Home using Raspberry pi, Arduino and Ethernet Shield
- Industrial Programable Logic Controllers (PLC) connected to Arduino using RTU protocol
- Remote control device for multipurpose usage using Arduino and GSM shield

INDUSTRIAL EXPERIENCE:

8/2021 - Present   **Automation Engineer at Palberg for printing solutions**

Heidelberg printing machines SM52, SM74, SM102. MÜLLER MARTINI **Gaza - Palestine**

2/2019 - 3/2021   **Project Manager at Medron Teknoloji**

Project: Automated Guided Vehicles (AGV) for Automated Storage and Retrieval Systems (ASRS) in big warehouses. (TIA Portal V16, PLC Siemens 1200, Visual Studio) **Istanbul - Turkey**

8/2018 - 2/2019   **Automation Engineer at Bilko A.Ş**

Automation programing for laser CNC machines (C++) **Istanbul - Turkey**

9/2009 - 9/2015   **Automation Engineer at Al Madina Company for Soft Drinks**

Programing and maintenance of filling, mixing and blowing machines, observation of the production for quality improvement **Gaza - Palestine**

Handled machines:

Machines	Controllers
CarboMixer	Siemens
Filling (Techlong)	Siemens & Danfoss
Water Desalination and purification station	Delta & ABB
Labeling (NDS Makina-ROLLextrem)	Lenze & Kollmogen
Vertical & Horizontal Packing, Paper Cutting	Panasonic
High- and low-Pressure Compressors (Dalgakiran) and others	Mitsubishi

COMPUTER EXPERIENCE:

Operating Systems: Windows, Linux

Computer Languages: C/C++/C--/C#, Python, Assembly, Ladder and SFC

Software: Siemens **Total Integrated Automation (TIA)**, Mitsubishi **MELSEC**, Delta **WPLSoft**, Panasonic **FPWIN Pro**, **Arduino** Software, **MATLAB**, **LabVIEW**, **Workbench**, **MS Office**, **Pspice**, **AutoCAD**, **Proteus**

LANGUAGES:

Arabic: Mother tongue   **English**: Fluent   **Turkish**: Good

HOBBIES:

Swimming, Volleyball, Tennis Table, Social activities

CERTIFICATES & ACTIVITIES:

January 2022   Training certificate on "Resource Efficiency in Industry- UNIDO TEST Methodology" United Nations Industrial Development Organization (UNIDO) **Gaza - Palestine**

March 2016   Rookie inspiration award from First Robotics Competition (FRC) with Aroura Team (6165), West Palm Beach **Florida** - **United States of America**

June 2015   Certificate of contribution in EV3 programing course at Istanbul University **Istanbul** - **Turkey**

January 2015   Contribution in First Robotic Competition appreciation, Yaşar Acar Fen Lisesi School **Istanbul** - **Turkey**

January 2006 – May 2008   Member of Engineering club (Engineering Facility Students Activities) at Islamic University **Gaza** - **Palestine**

August 2008   Summer Training Course (Power, Control, Mechanic and Networking), Power Generating Company G.P.G.C. **Gaza** - **Palestine**

June 2007   Certificate of contribution for the 2nd Technological & Engineering Meeting, Faculty of Engineering, Islamic University **Gaza** - **Palestine**

REFERENCES Available upon request