

## Contact

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[https://www.researchgate.net/profile/Ahmed\\_Alfadhel3](https://www.researchgate.net/profile/Ahmed_Alfadhel3)

(ResearchGate Profile)

<https://scholar.google.com/citations?user=dGuAQ9sAAAAJ&hl=en>

(Google Scholar Profile)

## Top Skills

Microsoft Office,

Scientific Research,

Matlab,

C++ ,

C# ,

Python,

Java,

HTML,

CSS,

JavaScript,

PHP ,

VHDL

## Languages

English (Professional Working),

Arabic (Native Language)

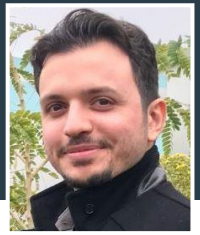
## Honors-Awards

International FPGA Design

Competition-2019 Winner

Certificate

# Ahmed M. Alfadhel



Assist. Lecturer at Al-Furat Al-Awsat Technical University

## Summary

Interested in DSP, Artificial Intelligence (AI) algorithms, and Embedded Systems such as FPGA and Controllers.

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## Experience

Al-Furat Al-Awsat Technical University

Technical Engineer then Assist. Lecturer

August 2013 - Present

Digital Communications Lab, Antenna and Transmission Lines Lab, Website developer. Currently I am teaching FPGA class.

Alkafeel Omneea Telecom.

Research and Development Engineer

August 2012 - December 2013 (1 year 5 months)

GPS vehicle tracking system project (OTS project), Intelligent Alarm System Project. Systems Administration

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## Education

Al-Furat Al-Awsat Technical University

Master's degree, Telecommunications Engineering · (2017 - 2019)

Research Project: Design and Implementation of a Frequency Hopping Spread Spectrum System Based on FPGA.

Al-Furat Al-Awsat Technical University

Bachelor's degree, Telecommunications Engineering with **First Class Honor** ·  
(2008 - 2012)

Graduation Project: Design and Implementation of Ethernet Network Sensor

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## Publication Records

- Design and Implementation of a Frequency Hopping Spread Spectrum System Based on FPGA. Thesis , 2019. DOI: <http://dx.doi.org/10.13140/RG.2.2.10459.92961>
- Optimal Path Finding in Stochastic Quasi-Dynamic Environments Using Particle Swarm Optimization. Journal of Expert Systems with Applications , [Volume 186](#), 2021.  
DOI : <https://doi.org/10.1016/j.eswa.2021.115706>
- Water Quality Evaluation Through Channel State Information in WiFi Networks. Proc. of the 7th International Conference on Engineering and Emerging Technologies (ICEET) 2021. IEEE Xplore.  
DOI : <https://doi.org/10.1109/ICEET53442.2021.9659745>