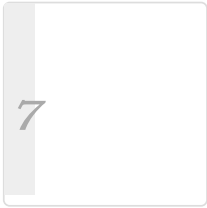


# Amir Fahad Malik

Defence Faculty  
College of Aeronautical Engineering

Email: afahad@cae.nust.edu.pk  
Contact:  
LinkedIn:



## About

Dr. Amir Fahad Malik is working as Defence Faculty in the College of Aeronautical Engineering. Dr. Amir Fahad Malik has published 2 research articles & conference papers, carried out 1 projects and filed 0 intellectual property.

## Qualifications

|                                                     |             |
|-----------------------------------------------------|-------------|
| <b>MS in Photonics</b><br>Air University , Pakistan | 2018 - 2020 |
| <b>BE in Avionics</b><br>NUST, Islamabad , Pakistan | 2009 - 2013 |

## Experience

|                                                                         |               |
|-------------------------------------------------------------------------|---------------|
| <b>Defence Faculty</b><br>College of Aeronautical Engineering           | 2022- Present |
| <b>Defence Faculty</b><br>College of Aeronautical Engineering           | 2020 - 2022   |
| <b>Asst Prof</b><br>CAE , College of Aeronautical Engineering, Risalpur | 2020 - 2020   |
| <b>Engg Officer D-Level Repair</b><br>,                                 | 2016 - 2018   |
| <b>Engineering Officer Comms</b><br>,                                   | 2014 - 2016   |

## Professional Memberships

|            |            |
|------------|------------|
| <b>PEC</b> | Since 2013 |
|------------|------------|

## Research Projects

|                                                                                                                |      |
|----------------------------------------------------------------------------------------------------------------|------|
| <b>National Projects</b>                                                                                       |      |
| <b>Algorithm Development for Localization using Time Difference of Arrival and its Hardware Implementation</b> | 2021 |
| <b>Funding Agency:</b> IGNITE                                                                                  |      |
| <b>Amount:</b> PKR N/A                                                                                         |      |
| <b>Status:</b> Completed                                                                                       |      |

## International Projects

### Compact passive photonic filter using an MZI

2020

*M. Favad Qadir Fahad Malik A. Hussain W. Tahir M. Zakwan*

*Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, res.country(233,)*

**Citations:** N/A

**DOI:** <https://doi.org/10.1117/12.2544693>

### A compact structure for realizing electromagnetically induced transparency in a microring resonator

2020

*Fahad Malik M. Favad Qadir A. Hussain W. Tahir M. Zakwan*

*Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, res.country(233,)*

**Citations:** N/A

**DOI:** <https://doi.org/10.1117/12.2544682>