

# MUHAMMAD UMAR FAROOQ

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## About

Dr. MUHAMMAD UMAR FAROOQ is working as Defence Faculty in the Pakistan Navy Engineering College. Dr. MUHAMMAD UMAR FAROOQ has published 4 research articles & conference papers having a citation count of 32, carried out 0 projects and filed 0 intellectual property.

## Qualifications

<b>MS in Computer Vision and Artificial Intelligence</b> Karachi Institute Of Economics And Technology , Pakistan	2017 - 2019
<b>BE in Computer Vision and Artificial Intelligence</b> Karachi Institute Of Economics And Technology , Pakistan	2012 - 2016

## Experience

<b>Defence Faculty</b> Pakistan Navy Engineering College	2019- Present
<b>Research Officer</b> RDW NRDI , PNS JAUHAR KARSAZ KARACHI	2018 - 2019

## Research Articles

<b>A Comprehensive Review of Vehicle Detection Techniques under Varying Moving Cast Shadow Conditions using Computer Vision and Deep Learning</b> <i>Muhammad Umair Arif Muhammad Umar Farooq Rana Hammad Raza Zain Lodhi Muhammad Abdur Rehman Hashmi</i> IEEE Access , Volume 10, Pages 104863-104886 <b>Impact Factor:</b> 3.476   <b>Quartile:</b> 2   <b>Citations:</b> 12 <b>DOI:</b> 10.1109/ACCESS.2022.3208568	2022
<b>Efficient Video-based Vehicle Queue Length Estimation using Computer Vision and Deep Learning for an Urban Traffic Scenario</b> <i>Muhammad Umair Arif Muhammad Umar Farooq Hammad Raza Qian Chen Baher Abdulhai</i> Processes , Volume 9(10), Article Number 1786 <b>Impact Factor:</b> 2.847   <b>Quartile:</b> 3   <b>Citations:</b> 20 <b>DOI:</b> 10.3390/pr9101786	2021

## Conference Proceedings

<b>Improved Vehicle Logo Detection and Recognition for Complex Traffic Environments Using Deep Learning Based Unwarping of Extracted Logo Regions in Varying Angles</b> <i>Zamra Sultan Muhammad Umar Farooq Rana Hammad Raza</i> Digital Interaction and Machine Intelligence, res.country(178,) <b>Citations:</b> N/A <b>DOI:</b> 10.1007/978-3-031-37649-8_2	2022
<b>Performance Comparison of Deep Residual Networks-Based Super Resolution Algorithms Using Thermal Images: Case Study of Crowd Counting</b> <i>Syed Zeeshan Rizvi Muhammad Umar Farooq Rana Hammad</i> 9th Machine Intelligence and Digital Interaction Conference, res.country(178,) <b>Citations:</b> N/A <b>DOI:</b> https://doi.org/10.1007/978-3-031-11432-8_7	2021