Muhammad Muaz

Assistant Professor

College of Aeronautical Engineering

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About

Dr. Muhammad Muaz is working as Assistant Professor in the College of Aeronautical Engineering. Dr. Muhammad Muaz has a PhD in Statistical Signal Processing. Dr. Muhammad Muaz has published 8 research articles & conference papers having a citation count of 117, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Statistical Signal Processing 2015 - 2018
Hong Kong Polytechnic University , Hong Kong

MS in Remote Sensing & Gis 2012 - 2014
COMSATS Institute of Information Technology , Pakistan

B.Sc (Hon) in Communication 2008 - 2012
UET Peshawar , Pakistan

Experience

Assistant Professor 2022- Present
College of Aeronautical Engineering

Assistant Professor 2018 - 2022
College of Aeronautical Engineering

Research Associate 2014 - 2015
UET Peshawar , Telecom Department, UET Peshawar (Mardan Campus), Charsadda Road, Mardan

Computer Engineer 2013 - 2013
Ghulam Ishaq Khan Institute , Topi Swabi Pakistan

Professional Memberships

PEC Since 2013

Research Projects

National Projects

Probability Distribution Modeling of Roadway Sound-Level Data and Development of a Noise Descriptor 2019
Funding Agency: HEC
Amount: PKR 497,200.00
Status: Completed

International Projects

Research Articles

Differentiating trace-to-trace noise effects using novel signal characteristics in phase-sensitive OTDR systems 2022

Muhammad Adeel Javier Tejedor Saeed Iqbal Muhammad Muaz Javier Macias-Guarasa Aadil Raza

Optical and Quantum Electronics, Volume 55, Issue 1, Article Number 49

Impact Factor: 2.794 | **Quartile:** 2 | **Citations:** 1

DOI: https://doi.org/10.1007/s11082-022-04314-2

On the Statistical Normality Rate of EEG Ambient Signal of Healthy Subjects and Its Dependence on Data-Observation Duration 2022

P. L. Hsieh T. C. Lin H. Al-Nashash H. S. Mir M. Muaz K. T. Wong

IEEE Sensors Journal, Volume: 22, Issue: 22, Page(s): 21769 - 21779

Impact Factor: 4.3 | **Quartile:** 1 | **Citations:** 1

DOI: 10.1109/JSEN.2022.3194699

Micro-Doppler based Target Recognition with Radars: A Review 2022

Ali Hanif Muhammad Muaz Azhar Hasan Muhammad Adeel

IEEE Sensors Journal, Volume 22, Issue 4, Pages 2948-2961

Impact Factor: 4.3 | **Quartile:** 1 | **Citations:** 106

DOI: https://doi.org/10.1109/JSEN.2022.3141213

Roadway Traffic Sound Measured up on a High-Rise Building-The Sound-Level's Statistical Normality 2022

Shiu-Keung Tang Tsair-Chuan Lin Kainam Thomas Wong Ho Ting Ng M. Muaz

IEEE Access , Volume 10, Pages 105031-105039

Impact Factor: 3.476 | **Quartile:** 2

DOI: https://doi.org/10.1109/ACCESS.2022.3204124

A higher-order "figure-8" sensor and an isotropic sensor?For azimuth-elevation bivariate direction finding 2018

Muhammad Muaz Yue Ivan Wu Kainam Thomas Wong Da Su

Journal of the Acoustical Society of America, Volume 143, Issue 4

Impact Factor: 1.819 | **Quartile:** 2 | **Citations:** 9

DOI: 10.1121/1.5027844

Conference Proceedings

Design and Development of a Vivaldi Antenna Array for Airborne X-Band Applications 2021

Irfan Mehmood Awais Munawar Qureshi Muhammad Muaz Channa Babar Ali

2021 Seventh International Conference on Aerospace Science and Engineering (ICASE), res.country(282,)

Citations: N/A

DOI: 10.1109/ICASE54940.2021.9904164

Deep Learning Based Radar Target Classification Using Micro-Doppler Features 2021

Ali Hanif Muhammad Muaz

2021 Seventh International Conference on Aerospace Science and Engineering (ICASE), res.country(282,)

Citations: N/A

DOI: 10.1109/ICASE54940.2021.9904145

A Survey of Deep Neural Network in Acoustic Direction Finding 2021

Mohiz Ahmed Muhammad Muaz Muhammad Adeel

2021 International Conference on Digital Futures and Transformative Technologies (ICoDT2), res.country(177,)

Citations: N/A

DOI: 10.1109/ICoDT252288.2021.9441527