

Abdul Rauf

Adjunct Faculty
Military College of Signals

Email: a.rauf@mcs.edu.pk
Contact:
LinkedIn:



About

Dr. Abdul Rauf is working as Adjunct Faculty in the Military College of Signals. Dr. Abdul Rauf has a PhD in (Telecomm Engg). Dr. Abdul Rauf has published 21 research articles & conference papers having a citation count of 287, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in (Telecomm Engg) University of Sheffield , Pakistan	2009 - 2011
MSc in (Telecomm Engg) Technical University of Denmark , Pakistan	2002 - 2004
BSc in (Telecomm) Engg NUST, Islamabad , Pakistan	1996 - 1998

Experience

Adjunct Faculty Military College of Signals	2018- Present
Associate Professor NUST ,	2018- Present
Head of Faculty / CI NUST ,	2015 - 2018
Head of Department NUST ,	2012 - 2015
Associate Professor NUST ,	2011 - 2012
Assistant Professor NUST ,	2004 - 2011
Lecturer NUST ,	1999 - 2004

Research Articles

Inter-Cloud Data Security Framework to Build Trust Based on Compliance with Controls Syed Imran Akhtar Abdul Rauf Muhammad Faisal Amjad Ifra Batool IET Information Security , Volume 2024, Article ID 6565102, 19 pages Impact Factor: 1.3 Quartile: 3 DOI: https://doi.org/10.1049/2024/6565102	2024
Compliance and feedback based model to measure cloud trustworthiness for hosting digital twins Syed Imran Akhtar Abdul Rauf Haider Abbas Muhammad Faisal Amjad Ifra Batool Journal of Cloud Computing , Volume 13, Article Number: 132 Impact Factor: 3.700 Quartile: 2 DOI: https://doi.org/10.1186/s13677-024-00690-0	2024
Cluster based resource management using H-NOMA in heterogeneous networks beyond 5G Umar Ghafoor Humayum Zubair Khan Adil Masood Siddiqui Mudassar Ali Abdul Rauf Arif Wahla Muhammad Naeem Ad Hoc Networks , Volume 149, Article Number 103252 Impact Factor: 4.8 Quartile: 2 Citations: 8	2023

DOI: <https://doi.org/10.1016/j.adhoc.2023.103252>

Bandwidth Enhancement and Generation of CP of Yagi-Uda-Shape Feed on a Rectangular DRA for 5G

2022

Applications

Inam Bari Javed Iqbal Haider Ali Abdul Rauf Muhammad Bilal Naveed Jan Usman Illahi Muhammad Arif Muhammad Amir Khan Rania M. Ghoniem
Micromachines , Volume 13(11), Article Number 1913

Impact Factor: 3.523 | Quartile: 2 | Citations: 11

DOI: <https://doi.org/10.3390/mi13111913>

A Novel Design and Development of a Strip-Fed Circularly Polarized Rectangular Dielectric Resonator

2022

Antenna for 5G NR Sub-6 GHz Band Applications

Usman Illahi Javed Iqbal Muhammad Irfan Mohamad Ismail Sulaiman Muhammad Abbas Khan Abdul Rauf Inam Bari Mujeeb Abdullah Fazal Muhammad
Grzegorz Nowakowski Adam Glowacz

Sensors , Volume 22, Issue 15, Article Number 5531

Impact Factor: 3.9 | Quartile: 2 | Citations: 17

DOI: [10.3390/s22155531](https://doi.org/10.3390/s22155531)

Mutual Coupling Reduction through Defected Ground Structure in Circularly Polarized, Dielectric

2022

Resonator-Based MIMO Antennas for Sub-6 GHz 5G Applications

Anwar ali Jijun Tong Javed Iqbal Usman Illahi Abdul Rauf Saeed Ur Rehman Haider Ali Muhammad Mansoor Qadir Muhammad Amir Khan Rania M.
Ghoniem

Micromachines , Volume 13, Issue 7, Article Number 1082

Impact Factor: 3.523 | Quartile: 2 | Citations: 33

DOI: <https://doi.org/10.3390/mi13071082>

Hybrid Underwater Intelligent Communication System

2022

Abdul Rauf Kinza Noor Hifsa Shahid Hafiz Muhammad Obaid Amna Shahid Abdullah Shahid

Wireless Personal Communications , Pages 1-20

Impact Factor: 2.2 | Quartile: 3 | Citations: 7

DOI: <https://doi.org/10.1007/s11277-022-09653-7>

A Compact 28 GHz Millimeter Wave Antenna for Future Wireless Communication

2022

Abdul Rauf Shahid Khan Adil Bashir Haider Ali Mohamed Marey Hala Mustafa Ikram Syed
Computers, Materials and Continua , Volume 72, No.1, Pages 301-314

Impact Factor: 3.772 | Quartile: 2 | Citations: 3

DOI: [10.32604/cmc.2022.023397](https://doi.org/10.32604/cmc.2022.023397)

A multi-slotted 2-element quadband MIMO antenna for 4G and 5G applications

2021

Maryam Rasool Farooq Ahmed Bhatti Imran Rashid Abdul Rauf Adil Masood Bilal Ijaz

Journal of Electromagnetic Waves and Applications , Pages 1-16

Impact Factor: 1.438 | Quartile: 4 | Citations: 10

DOI: <https://doi.org/10.1080/09205071.2021.1934565>

Mitigating service-oriented attacks using context-based trust for smart cities in IoT networks

2021

Ayesha Altaf Haider Abbas Faiza Iqbal Malik Muhammad Zaki Murtaza Abdul Rauf Tehsin Kanwal

Journal of Systems Architecture , Volume:115, Article Number: 102028

Impact Factor: 5.836 | Quartile: 1 | Citations: 28

DOI: [10.1016/j.sysarc.2021.102028](https://doi.org/10.1016/j.sysarc.2021.102028)

Reconfigurable Compact Wideband Circularly Polarised Dielectric Resonator Antenna for Wireless

2021

Applications

Abdul Rauf Shahid Khan Xin Cheng Ren Haider Ali Camel Tanougast Safdar Nawaz Khan Marwat Muhammad Rizwan Anjum

CMC-Computers, Materials & Continua , Volume 68, No. 2, Pages 2095-2109

Impact Factor: 3.860 | Quartile: 2 | Citations: 6

DOI: [doi:10.32604/cmc.2021.016811](https://doi.org/10.32604/cmc.2021.016811)

Two element MIMO antenna with frequency reconfigurable characteristics utilizing RF MEMS for 5G

2020

applications

Muhammad Mateen Hassan Zeeshan Zahid Adnan Ahmed Khan Imran Rashid Abdul Rauf Moazam Maqsood Farooq Ahmed Bhatti

Journal of Electromagnetic Waves and Applications , Volume 34, Issue 9, Pages 1210-1224

Impact Factor: 1.335 | Quartile: 4 | Citations: 35

DOI: [10.1080/09205071.2020.1765883](https://doi.org/10.1080/09205071.2020.1765883)

Thin-film tandem organic solar cells with improved efficiency

2020

Abdul Rauf Waqas Farooq Aimal Daud Khan Adnan Daud Khan Sultan Daud Khan Haider Ali Javed Iqbal Rehan Ullah Khan Muhammad Noman Waqas

Farooq Aimal Daud Khan Adnan Daud Khan Sultan Daud Khan Haider Ali Javed Iqbal Rehan Ullah Khan Muhammad Noman
IEEE Access , Volume 8, Pages 74093-74100
Impact Factor: 3.367 | **Quartile:** 2 | **Citations:** 17
DOI: 10.1109/ACCESS.2020.2988325

Design of ultra-wide tetra band phased array inverted T-shaped patch antennas using DGS with beam-steering capabilities for 5G applications 2020

Abdul Rauf Muhammad Anas Hifsa Shahid Abdullah Shahid
International Journal of Microwave and Wireless Technologies, Pages 1-12
Impact Factor: 1.064 | **Quartile:** 4 | **Citations:** 11
DOI: <https://doi.org/10.1017/S1759078719001594>

Efficient materials for thin-film CdTe solar cell based on back surface field and distributed Bragg reflector 2020

Abdul Rauf Syed Asfandiyar Ali Kazmi Aimal Daud Khan Adnan Daud Khan Muhammad Noman Waqas Farooq Haider Ali
Applied Physics A , Volume 126, Article Number 46
Impact Factor: 2.584 | **Quartile:** 3 | **Citations:** 11
DOI: <https://doi.org/10.1007/s00339-019-2570-4>

Super absorption of solar energy using a plasmonic nanoparticle based CdTe solar cell 2019

Abdul Rauf Qandeel Rehman Aimal Daud Khan Adnan Daud Khan Muhammad Noman Haider Ali Muhammad Shakeel Ahmad
RSC Advances , Volume 9, Issue 59, Pages 34207-34213
Impact Factor: 3.119 | **Quartile:** 2 | **Citations:** 40
DOI: DOI: 10.1039/c9ra07782k

A novel UWB MIMO antenna array with band notch characteristics using parasitic decoupler 2019

Muhammad Mateen Hassan Maryam Rasool Muhammad Umair Asghar Zeeshan Zahid Adnan Ahmed Khan Imran Rashid Abdul Rauf Farooq Ahmed Bhatti
Journal of Electromagnetic Waves and Applications , Pages 1-12
Impact Factor: 1.373 | **Quartile:** 3 | **Citations:** 50
DOI: 10.1080/09205071.2019.1682063

Forensic Investigation to detect forgeries in ASF Files of Contemporary IP Cameras 2018

Rashid Masood Khan Hammad Afzal Maroof Pasha HAIDER ABBAS Abdul Rauf Muhammad Faisal Amjad Waseem Iqbal
The Journal of Supercomputing , Page 1–22
Impact Factor: 2.157 | **Quartile:** 2
DOI: 10.1007/s11227-018-2377-7

Migration from Copper to Fiber Access Network using Passive Optical Network for Green and Dry Field Areas of Pakistan 2015

Sajid Bashir Tauseef Tasneem Abdul Saboor Abdul Rauf Umar Farooq
International Journal of Soft Computing and Engineering, Volume-5 Issue-4, Pages 118-128
Impact Factor: -
DOI: -

Cyber Security: An Essential Element of National Security 2013

Narmeen Shafqat Abdul Rauf Ashraf Masood
Pakistan Army Green Book, Pages 1-26
Impact Factor: 0
DOI: -

Conference Proceedings

Inter Cloud Interoperability Use Cases and Gaps in Corresponding Standards 2020

Dr Abdul Rauf Dr. Haider Abbas Muhammad Faisal Amjad Syed Imran Akhtar
2020 IEEE Intl Conf on Dependable, Autonomic and Secure Computing, Intl Conf on Pervasive Intelligence and Computing, Intl Conf on Cloud and Big Data Computing, Intl Conf on Cyber Science and Technology Congress , res.country(38,)
Citations: N/A
DOI: 10.1109/DASC-PICom-CBDCCom-CyberSciTech49142.2020.00103