Farooq Ahmed Bhatti

Consultant

Military College of Signals

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About

Dr. Farooq Ahmed Bhatti is working as Consultant in the Military College of Signals. Dr. Farooq Ahmed Bhatti has a PhD in (Microwave & Millimeter Waves). Dr. Farooq Ahmed Bhatti has published 18 research articles & conference papers having a citation count of 143, carried out 2 projects and filed 5 intellectual property.

Qualifications

PhD in (Microwave & Millimeter Waves) 1989 - 1992
Shanghai University of Science and Technology , China

MSc in (Solid State Physics & Electronics) 1976 - 1979
University of the Punjab , Pakistan

BSc in (Physics Applied Maths) 1974 - 1976
University of the Punjab , Pakistan

Experience

Consultant 2019- Present
Military College of Signals

Associate Professor 2019 - 2019
Military College of Signals

Associate Professor 2010 - 2019
Military College of Signals

Associate Professor 2000 - 2010
College of Electrical & Mechanical Engineering

Assistant Professor 1995 - 2000
College of Electrical & Mechanical Engineering

Consultant 2019 - 2022
NUST , MCS NUST

Associate Professor 2010 - 2019
NUST , MCS NUST

Post doctoral 2005 - 2006
University of Manchester , University of Manchester, UK

Associate professor 2000 - 2010
NUST , EME NUST

Assistant Professor 1995 - 2000
NUST , EME

Research schollar 1989 - 1992
Shanghai University of Sciences & Technology , SUST China

Research Projects

National Projects

Highly Stabilized Millimeter Wave Dielectric Resonator (DR) Gunn Oscillator 1996

Funding Agency: MoST
Amount: PKR 642,000.00
Status: Completed

Development of Antenna Testing and Measuring System 2018

Funding Agency: HEC
Amount: PKR 10,428,000.00
Status: Completed

International Projects

Research Articles

A 4-Port Broadband High-Isolated MIMO Antenna for Wireless Communication 2024

Ayyaz Ali Maryam Rasool Muhammad Zeeshan Zahid Imran Rashid Adil Masood Siddiqui Moazzam Maqsood Farooq Ahmed Bhatti
Progress in Electromagnetic Research C, Volume 142, Pages 119-130

Impact Factor: N/A | **Citations:** 4
DOI: http://dx.doi.org/10.2528/PIERC24012905

A compact bent microstrip-based wideband millimeter wave MIMO antenna for 5G applications 2023

Ayyaz Ali Maryam Rasool Zeeshan Zahid Imran Rashid Adil Masood Siddiqui Moazam Maqsood Farooq Ahmed Bhatti
International Journal of Microwave and Wireless Technologies, Pages 1-16

Impact Factor: 1.4 | **Quartile:** 4 | **Citations:** 3
DOI: https://doi.org/10.1017/S175907872300106X

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

Dual–Band B–Shaped Antenna Array for Satellite Applications 2020

Muhammad Mateen Hasan Adnan Ahmed Khan Imran Rashid Muzhair Hussain Farooq Ahmed Bhatti
International Journal of Microwave and Wireless Technologies, Pages 1-8

Impact Factor: 1.064 | **Quartile:** 4
DOI: https://doi.org/10.1017/S1759078720001439[Opens in a new window]

A Uniquely-Fed Miniaturized Ultra-Wideband Antenna with Dual Band-Rejection Characteristics 2020

Zeeshan Ahmed Faiz K. Lodhi Muhammad Idrees Zain Ul Islam Ferdows B. Zarrabi Uzma Majeed Farooq Ahmad Bhatti
Science International (Lahore), Volume 27(6), Pages 5015-5019

Impact Factor: -
DOI: -

A Compact Circular Loop Inspired Frequency and Bandwidth Reconfigurable Antenna for 4G, 5G, and X- Band Applications 2020

Aabia Khan Farooq Ahmed Bhatti Bilal Ijaz Adnan Iftikhar Maryam Rasool Aabia Khan Bilal Ijaz Adnan Iftikhar
Radioengineering, Volume 29, Number 3, Pages 471-478

Impact Factor: 0.951 | **Quartile:** 4 | **Citations:** 4
DOI: https://dx.doi.org/10.13164/re.2020.0471

Two element MIMO antenna with frequency reconfigurable characteristics utilizing RF MEMS for 5G applications 2020

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

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

Aperture-coupled ESPAR antenna with unique feed network for symmetric switched beam radiation patterns 2017

Hassan Umair Niaz Muhammad Tayyab Hassan Imran Rashid Farooq Ahmed Bhatti

International Journal of Microwave and Wireless Technologies, Volume:9, Issue 3, Pages 675-683

Impact Factor: 0.745 | **Quartile:** 4

DOI: DOI: https://doi.org/10.1017/S1759078716000362

High Gain FSS Aperture Coupled Microstrip Patch Antenna 2016

Niaz Muhammad Hassan Umair Zain Ul Islam Zar Khitab Imran Rashid Farooq Ahmed Bhatti

Progress In Electromagnetics Research C, Volume 64, 21-31

Impact Factor: - | **Citations:** 7

DOI: doi:10.2528/PIERC16022102

Compact Planner Mobile Phone MIMO Antenna With Enhanced Gain 2016

Waqas Jamshed Faiz Khalid Zeeshan Ahmed Farooq Ahmad Bhatti

Science International , Volume 28, Issue 3, Pages 2473-2476

Impact Factor: -

DOI: -

Perturbed Aperture Coupled Hexagonal Patch Antenna with Single 2015

Hassan Umair Niaz Muhammad Farooq Ahmad Bhatti

International Journal for Research in Technological Studies, Volume 2, Issue 10, Pages 23-26

Impact Factor: -

DOI: -

Ultra-Wideband Microstrip Antennas with WLAN Band-Notch Capability 2015

Zeeshan Ahmed Faiz Khalid Lodhi Zain Ul Islam Fahad Shamshad Imran Rashid Farooq Ahmad Bhatti

International Journal of Computer and Communication System Engineering, Volume 2 (4), Pages 575-580

Impact Factor: -

DOI: -

High-power broadband-loaded monopole antenna with sleeve ground plane for portable applications 2014

Waqas Mazhar Farooq Ahmad Tahir Farooq Ahmed Bhatti

Journal of Electromagnetic Waves and Applications, Volume 28, No. 7, Pages 802-814

Impact Factor: 0.726 | **Quartile:** 3 | **Citations:** 5

DOI: https://doi.org/10.1080/09205071.2014.891952

Novel miniaturized koch pentagonal frac-tal antenna for multiband wireless applications 2013

Omar M. Khan Zain U. Islam Imran Rashid Farooq Ahmed Bhatti Qamar U. Islam

Progress In Electromagnetics Research, Volume 141, Pages 693-710

Impact Factor: N/A | **Citations:** 25

DOI: http://dx.doi.org/10.2528/PIER13060904

Conference Proceedings

Dual Band MIMO Antenna With Decoupling Structure for 5G and WiFi Applications 2025

Ahsan Javid Maryam Rasool Muhammad Zeeshan Zahid Farooq Ahmed Bhatti

2025 International Conference on Communication Technologies (ComTech), res.country(177,)

Citations: N/A

DOI: 10.1109/ComTech65062.2025.11034550

A Compact Multi-slotted Quadband Antenna Array for 5G mmWave Applications 2021

Maryam Rasool Zayyad Bin Tariq Bilal Ijaz Adnan Iftikhar Farooq Ahmed Bhatti

7th International Conference on Engineering and Emerging Technologies (ICEET), res.country(224,)

Citations: N/A

DOI: 10.1109/ICEET53442.2021.9659776

New technique: Surface modeling of dual polarized RADARs antenna structure for cross polarization reduction 2017

Adnan Ahmed Khan Zar Khitab Farooq Ahmed Bhatti Adil Masood Siddiqui Imran Rashid

2017 IEEE 6th Global Conference on Consumer Electronics (GCCE), res.country(113,)

Citations: N/A

DOI: 10.1109/GCCE.2017.8229242

Intellectual Property

Copyrights

Patents

Industrial Designs

B-shape Dual Band Antenna for Satellite Communication 2019
Status: Filed

Microwave Anteena Training and Measuring System 2019
Status: Filed

Transmitter for Antenna Training and Measuring System 2019
Status: Filed

Receiver for Antenna Training and Measuring System 2019
Status: Filed

Antenna Control System for Signal Detection 2019
Status: Filed

Trademarks