

Zubair Ahmed

Assistant Professor

College of Electrical & Mechanical Engineering

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About

Dr. Zubair Ahmed is working as Assistant Professor in the College of Electrical & Mechanical Engineering. Dr. Zubair Ahmed has a PhD in Electrical Engineering. Dr. Zubair Ahmed has published 19 research articles & conference papers having a citation count of 41, carried out 1 projects and filed 11 intellectual property.

Qualifications

PhD in Electrical Engineering Capital University of Science and Technology, Islamabad , Pakistan	2014 - 2021
MS in Electrical Engineering NUST, Islamabad , Pakistan	2004 - 2008
BE in Electrical Engineering NUST, Islamabad , Pakistan	1999 - 2003

Experience

Assistant Professor College of Electrical & Mechanical Engineering	2010- Present
Demonstrator College of Electrical & Mechanical Engineering	2006 - 2010
Microwave Research Engineer EME College , EME College	2003 - 2006

Professional Memberships

PEC

Research Projects

National Projects

Indigenous Development of Ground Surveillance Radar (NR-V3) Funding Agency: DGMP Amount: PKR 73,340,000.00 Status: Completed	2014
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International Projects

Research Articles

- Compact High Gain Wideband Circularly Polarized Non-Uniform Metasurface Antenna Through Improved Mode Coupling** 2024
Komal Iqbal Zubair Ahmed Qasim Umar Khan
IEEE Open Journal of Antennas and Propagation, Volume: 5, Issue: 6, Pages 1432-1439
Impact Factor: 3.5 | **Quartile:** 2 | **Citations:** 2
DOI: 10.1109/OJAP.2024.3361381
- Improving the Sidelobe Level, Return Loss and Bandwidth of Notch-Loaded TM30 Mode Patch via Fractal-Slot** 2022
Zubair Ahmed Awab Muhammad Mojeeb Bin Ihsan
IEEE Access, Volume 10, Pages 19917- 9924
Impact Factor: 3.367 | **Quartile:** 2 | **Citations:** 6
DOI: 10.1109/ACCESS.2022.3152565
- Revisiting the Binomial Multisection Transformer** 2021
Zubair Ahmed
IEEE Microwave Magazine, Volume 22, Issue 2, Pages 58-6
Impact Factor: 3.062 | **Quartile:** 2 | **Citations:** 3
DOI: 10.1109/MMM.2020.3035865
- Sidelobe reduction and gain enhancement in higher order TM30 and TM70 mode rectangular patch antennas via partial notch loading** 2019
Zubair Ahmed Muhammad Mansoor Ahmed
IET Microwaves, Antennas & Propagation, Volume: 13 , Issue: 12 , Pages 1955-1962
Impact Factor: 1.972 | **Quartile:** 3 | **Citations:** 7
DOI: 10.1049/iet-map.2018.6206
- A Novel Differential Fed High Gain Patch Antenna Using Resonant Slot Loading** 2018
Zubair Ahmed Muhammad Mansoor Ahmed Mojeeb Bin Ihsan
Radioengineering, Volume: 27 Issue: 3 Pages: 662-670
Impact Factor: 0.967 | **Quartile:** 4 | **Citations:** 8
DOI: 10.13164/re.2018.0662
- Novel dual band patch antenna With Gap coupled composite right/left-handed transmission line** 2018
Zubair Ahmed Muhammad Mansoor Ahmed Mojeeb Bin Ihsan Alyna Chaudhary Javeria Khanum Arif
International Journal of Microwave and Wireless Technologies, Volume: 11 Issue: 1 Pages: 87-93
Impact Factor: 0.703 | **Quartile:** 4 | **Citations:** 1
DOI: 10.1017/ S1759078718001162
- Reflectarray with logarithmic spiral lattice of elementary antennas on its aperture** 2016
Muhammad Wasif Niaz Zubair Ahmed Mojeeb Bin Ihsan
AEU - International Journal of Electronics and Communications, Volume: 70 Issue: 8 Pages: 1050-1054
Impact Factor: 1.147 | **Quartile:** 3 | **Citations:** 14
DOI: 10.1016/j.aeue.2016.04.020
- Performance of Thinned Microstrip Reflectarrays** 2010
Muhammad Wasif Niaz Zubair Ahmed Mojeeb Bin Ihsan
International Journal of Engineering and Technology, Vol.2(6), Pages 581-585
Impact Factor: 0
DOI: 10.7763/IJET.2010.V2.185

Conference Proceedings

- Dual Circularly Polarized All-Metal Orbital Angular Momentum Beam Reflectarray Antenna** 2022
Dr Zubair Ahmed Awab Muhammad Shafaq Kausar Dr Mojeeb Bin Ihsan
2022 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting (AP-S/URSI), res.country(233,) **Citations:** N/A
DOI: 10.1109/AP-S/USNC-URSI47032.2022.9886105
- Digital beam scanning in HMSIW millimeterwave leaky wave antenna** 2017
Syed Muhammad Ammar Ali Zubair Ahmed Mojeeb Bin Ihsan
24th International Conference on Mechatronics and Machine Vision in Practice (M2VIP), res.country(170,)

Citations: N/A DOI: 10.1109/M2VIP.2017.8211431	
Parameter Extraction of Composite Right / Left Handed (CRLH) Transmission Line Unit Cell Using Off Resonance Method <i>Muhammad Anis Chaudhary Zubair Ahmed Mojeeb Bin Ihsan Alyna Ali Chaudhry Javeria Khanum Arif</i> <i>14th International Bhurban Conference on Applied Sciences & Technology (IBCAST), res.country(177,)</i> Citations: N/A DOI: 10.1109/IBCAST.2017.7868142	2017
Beam steering in HMSIW LWA at fixed millimeter wave frequency <i>Syed Muhammad Ammar Ali Zubair Ahmed Mojeeb Bin Ihsan</i> <i>2015 12th International Conference on High-capacity Optical Networks and Enabling/Emerging Technologies (HONET), res.country(177,)</i> Citations: N/A DOI: 10.1109/HONET.2015.7395422	2015
A New High Directivity Fractal Antenna Based on the Modified Koch Snowflake Geometry <i>Abbas Bin Younas Zubair Ahmed Mojeeb Bin Ihsan</i> <i>2010 Asia-Pacific Microwave Conference, res.country(113,)</i> Citations: N/A DOI: https://ieeexplore.ieee.org/document/5728622	2010
Performance Comparison of Different Aperture Shapes for Microstrip Reflectarray <i>Muhammad Wasif Niaz Zubair Ahmed Mojeeb Bin Ihsan</i> <i>German Microwave Conference Digest of Papers, GeMIC 2010, res.country(57,)</i> Citations: N/A DOI: https://ieeexplore.ieee.org/document/5498284	2010
Multiband Sierpinski Fractal Antenna <i>Muhammad Waqas Zubair Ahmed Mojeeb Bin Ihsan</i> <i>2009 IEEE 13th International Multitopic Conference, res.country(177,)</i> Citations: N/A DOI: 10.1109/INMIC.2009.5383097	2009
Characterization of Waveguide Slots using Full Wave EM Analysis Software HFSS <i>Sara Hameed Dar Zubair Ahmed Mojeeb Bin Ihsan</i> <i>2008 IEEE International Multitopic Conference, res.country(177,)</i> Citations: N/A DOI: 10.1109/INMIC.2008.4777713	2008
Design of a Low Side Lobe Slotted Waveguide Planar Array <i>Sara Hameed Dar Zubair Ahmed Mojeeb Bin Ihsan</i> <i>2007 International Bhurban Conference on Applied Sciences & Technology, res.country(177,)</i> Citations: N/A DOI: 10.1109/IBCAST.2007.4379903	2007
Design of a low side lobe Aperture coupled Microstrip Antenna array <i>Zubair Ahmed Mojeeb Bin Ihsan Naveed Chaudhary Jahangir Kiani</i> <i>8th International Multitopic Conference, res.country(177,)</i> Citations: N/A DOI: 10.1109/INMIC.2004.1492879	2004
Parallel Coupled Microstrip band Pass Filter Design using em Analysis <i>Tahir Abbas Zubair Ahmed Mojeeb Bin Ihsan</i> <i>8th International Multitopic Conference, 2004, res.country(177,)</i> Citations: N/A DOI: 10.1109/INMIC.2004.1492981	2004

Intellectual Property

Copyrights

Graphical User Interface (GUI) for NR-V3 (MAHZ-1) radar	2021
Status: Filed	

Patents

Industrial Designs

NRV3 Radar Thermal System (Class-01)	2021
Status: Filed	
NRV3 Radar Heat Sink Assembly (Class-01)	2021
Status: Filed	
NRV3 Radar FGU Rx Assembly (Class-01)	2021
Status: Filed	
NRV3 Radar FGU Tx Assembly (Class-01)	2021
Status: Filed	
NRV3 Radar Casing Internal Assembly (Class-01)	2021
Status: Filed	
NRV3 Radar Antenna Assembly (Class-01)	2021
Status: Filed	
Ground Surveillance Radar NRV3 (MAHZ-1) (Class 01)	2021
Status: Filed	
Tripod of Ground Surveillance Radar NRV3(MAHZ-1) (Class01)	2019
Status: Granted Filed	
Radar Casing of Ground Surveillance Radar NRV3 (MAHZ-1) (Class01)	2019
Status: Granted Filed	
Turn Tilt Platform of Ground Surveillance Radar NRV3(MAHZ-1) (Class01)	2019
Status: Granted Filed	

Trademarks