

# Mojeeb Bin Ihsan

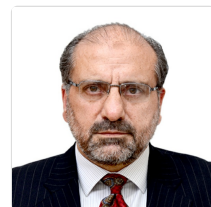
Professor

College of Electrical & Mechanical Engineering

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**LinkedIn:** Not on social media



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## About

Dr. Mojeeb Bin Ihsan is working as Professor in the College of Electrical & Mechanical Engineering. Dr. Mojeeb Bin Ihsan has a PhD in Electrical Engg. Dr. Mojeeb Bin Ihsan has published 36 research articles & conference papers having a citation count of 129, carried out 4 projects and filed 11 intellectual property.

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## Qualifications

<b>PhD in Electrical Engg</b> Drexel University , United States	1988 - 1993
<b>MS in Electrical Engg</b> Drexel University , United States	1986 - 1988
<b>BE in Electrical Engg</b> UET Lahore , Pakistan	1979 - 1984

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## Experience

<b>Professor</b> College of Electrical & Mechanical Engineering	2006- Present
<b>Associate Professor</b> College of Electrical & Mechanical Engineering	2002 - 2006
<b>Assistant Professor</b> College of Electrical & Mechanical Engineering	1995 - 2002

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## Awards

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## Professional Memberships

PEC

Research Projects

National Projects

<b>Pilot Level Production of Ground Surveillance Radar at NUST</b> Funding Agency: NUST Amount: PKR 10,000,000.00 Status: Completed	2010
<b>Development of Integrated Microwave Transceiver</b> Funding Agency: NUST Amount: PKR 1,700,000.00 Status: Completed	2007
<b>Development of Indigenous Ground Surveillance Radar</b> Funding Agency: MoST Amount: PKR 39,889,000.00 Status: Completed	2003
<b>Indigenous Development of Ground Surveillance Radar (NR-V3)</b> Funding Agency: DGMP Amount: PKR 73,340,000.00 Status: Completed	2014

International Projects

Research Articles

<b>Improving the Sidelobe Level, Return Loss and Bandwidth of Notch-Loaded TM30 Mode Patch via Fractal-Slot</b> <i>Zubair Ahmed Awab Muhammad Mojeeb Bin Ihsan</i> <i>IEEE Access</i> , Volume 10, Pages 19917- 9924 Impact Factor: 3.367   Quartile: 2   Citations: 6 DOI: 10.1109/ACCESS.2022.3152565	2022
<b>A Novel Differential Fed High Gain Patch Antenna Using Resonant Slot Loading</b> <i>Zubair Ahmed Muhammad Mansoor Ahmed Mojeeb Bin Ihsan</i> <i>Radioengineering</i> , Volume: 27 Issue: 3 Pages: 662-670 Impact Factor: 0.967   Quartile: 4   Citations: 8 DOI: 10.13164/re.2018.0662	2018
<b>Novel dual band patch antenna With Gap coupled composite right/left-handed transmission line</b> <i>Zubair Ahmed Muhammad Mansoor Ahmed Mojeeb Bin Ihsan Alyna Chaudhary Javeria Khanum Arif</i> <i>International Journal of Microwave and Wireless Technologies</i> , Volume: 11 Issue: 1 Pages: 87-93 Impact Factor: 0.703   Quartile: 4   Citations: 1 DOI: 10.1017/ S1759078718001162	2018
<b>Higher Order Modes: A Solution for High Gain, Wide Band Patch Antennas for Different Vehicular Applications</b> <i>Qasim Umar Khan Mojeeb Bin Ihsan Dilaawaiz Fazal Fahad Mumtaz Malik Shahzad Amin Sheikh Muhammad Salman</i> <i>IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY</i> , Volume: 66 Issue: 5 Pages: 3548-3554 Impact Factor: 4.432   Quartile: 1   Citations: 33 DOI: 10.1109/TVT.2016.2604004	2017
<b>Reflectarray with logarithmic spiral lattice of elementary antennas on its aperture</b> <i>Muhammad Wasif Niaz Zubair Ahmed Mojeeb Bin Ihsan</i> <i>AEU - International Journal of Electronics and Communications</i> , Volume: 70 Issue: 8 Pages: 1050-1054 Impact Factor: 1.147   Quartile: 3   Citations: 14 DOI: 10.1016/j.aeue.2016.04.020	2016
<b>Use of Slots to Improve Performance of Patch in Terms of Gain and Sidelobes Reduction</b> <i>Dilaawaiz Fazal Qasim Umar Khan Dilaawaiz Fazal Mojeeb bin Ihsan</i> <i>IEEE Antennas and Wireless Propagation Letters</i> , Volume 14, Pages 422-425 Impact Factor: 1.751   Quartile: 2   Citations: 21 DOI: 10.1109/LAWP.2014.2365588	2015
<b>Higher order mode excitation for high gain microstrip patch antenna</b>	2014

Qasim Umar Khan Mojeeb Bin Ihsan

AEU-International Journal of Electronics and Communications, Volume 68, Issue 11, Pages 1073-1077

Impact Factor: 0.601 | Quartile: 3 | Citations: 24

DOI: 10.1016/j.aeue.2014.05.009

**Use of partial Koch boundaries for improved return loss, gain and sidelobe levels of triangular patch antenna**

2012

Dilaawaiz Fazal Qasim Umar Khan Mojeeb Bin Ihsan

Electronics Letters, Volume 48, Issue 15, Pages 902-903

Impact Factor: 1.038 | Quartile: 3 | Citations: 17

DOI: 10.1049/el.2012.1880

**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

**Effect of deposition parameters on properties of films deposited on fibers by hollow cathode magnetron sputtering**

1990

Mojeeb Bin Ihsan K. Pourrezaei

Journal of Vacuum Science & Technology A, Journal of Vacuum Science & Technology A 8, 1304 (1990)

Impact Factor: 0 | Citations: 3

DOI: 10.1116/1.576872

**Aluminum deposition on optical fibers by a hollow cathode magnetron sputtering.**

1988

N. Kumar K. Pourrezaei N. Kumar K. Pourrezaei Mojeeb Bin Ihsan

Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, Vol. 6(3), Pages 1772-1773

Impact Factor: 0 | Citations: 2

DOI: <https://doi.org/10.1116/1.575293>

## 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**

2017

Muhammad Anis Chaudhary Zubair Ahmed Mojeeb Bin Ihsan Alyna Ali Chaudhry Javeria Khanum Arif

14th International Bhurban Conference on Applied Sciences & Technology (IBCAST), res.country(177,)

Citations: N/A

DOI: 10.1109/IBCAST.2017.7868142

**Beam steering in HMSIW LWA at fixed millimeter wave frequency**

2015

Syed Muhammad Ammar Ali Zubair Ahmed Mojeeb Bin Ihsan

2015 12th International Conference on High-capacity Optical Networks and Enabling/Emerging Technologies (HONET), res.country(177,)

Citations: N/A

DOI: 10.1109/HONET.2015.7395422

**Design Guidelines for Designing High Gain Patch Antenna in the Ku-band**

2015

Qasim Umar Khan Mojeeb Bin Ihsan

8th International Conference on Advances in Circuits, Electronics and Micro-Electronics, res.country(109,)

Citations: N/A

DOI: <https://www.thinkmind.org/index.php?view=instance&instance=CENICS+2015>

<b>Performance comparison of 3g/2 and ring resonator based oscillators</b> <i>Muhammad Anis Chaudhary Mojeeb Bin Ihsan Muhammad Shehbaz Ijteba-ul-Hasnain Shah, Habib Ahmad</i> <i>2014 11th International Bhurban Conference on Applied Sciences &amp; Technology (IBCAST), res.country(177,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/IBCAST.2014.6778193	2014
<b>Support vector machine based micro-Doppler signature classification of ground targets</b> <i>Aamir Javed Mojeeb Bin Ihsan Sidrah Liaquat</i> <i>10th European Radar Conference (EuRAD 2013), res.country(57,)</i> <b>Citations:</b> N/A <b>DOI:</b> <a href="http://ieeaeess.org/conference/2013-european-radar-conference-eurad">http://ieeaeess.org/conference/2013-european-radar-conference-eurad</a>	2013
<b>High Resolution 2D Time Frequency Representation of Radar Micro-Doppler Pedestrian Signal</b> <i>Sidrah Liaquat Mojeeb Bin Ihsan Syed Zeeshan Asghar Aqib Ejaz Aamir Javed</i> <i>10th European Radar Conference, res.country(57,)</i> <b>Citations:</b> N/A <b>DOI:</b> <a href="https://ieeexplore.ieee.org/document/6689140">https://ieeexplore.ieee.org/document/6689140</a>	2013
<b>A New Microstrip Star Shaped Patch Antenna</b> <i>Qasim Umar Khan Mojeeb Bin Ihsan</i> <i>IEEE 2013 Tencon - Spring, res.country(13,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/TENCONSpring.2013.6584417	2013
<b>Automatic Recognition of Ground Radar Targets based on Target RCS and Short Time Spectrum Variance</b> <i>Sidrah Liaquat Shoab Ahmed Khan Mojeeb Bin Ihsan Syed Zeeshan Asghar Aqib Ejaz Aamir Iqbal Bhatti</i> <i>2011 International Symposium on Innovations in Intelligent Systems and Applications, res.country(224,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/INISTA.2011.5946127	2011
<b>A New High Directivity Fractal Antenna Based on the Modified Koch Snowflake Geometry</b> <i>Abbas Bin Younas Zubair Ahmed Mojeeb Bin Ihsan</i> <i>2010 Asia-Pacific Microwave Conference, res.country(113,)</i> <b>Citations:</b> N/A <b>DOI:</b> <a href="https://ieeexplore.ieee.org/document/5728622">https://ieeexplore.ieee.org/document/5728622</a>	2010
<b>Performance Comparison of Different Aperture Shapes for Microstrip Reflectarray</b> <i>Muhammad Wasif Niaz Zubair Ahmed Mojeeb Bin Ihsan</i> <i>German Microwave Conference Digest of Papers, GeMIC 2010, res.country(57,)</i> <b>Citations:</b> N/A <b>DOI:</b> <a href="https://ieeexplore.ieee.org/document/5498284">https://ieeexplore.ieee.org/document/5498284</a>	2010
<b>Multiband Sierpinski Fractal Antenna</b> <i>Muhammad Waqas Zubair Ahmed Mojeeb Bin Ihsan</i> <i>2009 IEEE 13th International Multitopic Conference, res.country(177,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/INMIC.2009.5383097	2009
<b>Characterization of Waveguide Slots using Full Wave EM Analysis Software HFSS</b> <i>Sara Hameed Dar Zubair Ahmed Mojeeb Bin Ihsan</i> <i>2008 IEEE International Multitopic Conference, res.country(177,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/INMIC.2008.4777713	2008
<b>Design of a Low Side Lobe Slotted Waveguide Planar Array</b> <i>Sara Hameed Dar Zubair Ahmed Mojeeb Bin Ihsan</i> <i>2007 International Bhurban Conference on Applied Sciences &amp; Technology, res.country(177,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/IBCAST.2007.4379903	2007
<b>The design, performance and comparison of four different Ku-band common-source DROs</b> <i>Yawar Nadeem Mojeeb Bin Ihsan</i> <i>10th IEEE International Multitopic Conference, res.country(177,)</i> <b>Citations:</b> N/A	2006

<b>DOI:</b> 10.1109/INMIC.2006.358129	
<b>Design of a two stage Low Noise Amplifier at Ku Band</b>	2005
<i>Tahir Abbas Mojeeb Bin Ihsan</i> <i>17th International Conference on Microelectronics, Islamabad, Pakistan, res.country(177,)</i>	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/ICM.2005.1590033	
<b>Design of a low side lobe Aperture coupled Microstrip Antenna array</b>	2004
<i>Zubair Ahmed Mojeeb Bin Ihsan Naveed Chaudhary Jahangir Kiani</i> <i>8th International Multitopic Conference , res.country(177,)</i>	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/INMIC.2004.1492879	
<b>Parallel Coupled Microstrip band Pass Filter Design using em Analysis</b>	2004
<i>Tahir Abbas Zubair Ahmed Mojeeb Bin Ihsan</i> <i>8th International Multitopic Conference, 2004 , res.country(177,)</i>	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/INMIC.2004.1492981	
<b>Design and Simulation of Microwave Front end of a DIFM Receiver using COTS</b>	2003
<i>Saeed Ahmed Butt Yahya Younus Sethi Hina Tahir Khawaja Abdul Waheed Mojeeb Bin Ihsan</i> <i>7th International Multi Topic Conference , res.country(177,)</i>	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/INMIC.2003.1416705	
<b>Integrated Microstrip Patch Antenna and LNA Assembly for GPS Repeaters</b>	2003
<i>Mojeeb Bin Ihsan Naveed Ahsan Jahangir Khan Kayani</i> <i>Second International Bhurban Conference on Applied Sciences and Technology, res.country(177,)</i>	
<b>Citations:</b> N/A	
<b>DOI:</b> <a href="https://pdfs.semanticscholar.org/46ed/f4ff581fcff7109139be14e18db291f81977.pdf">https://pdfs.semanticscholar.org/46ed/f4ff581fcff7109139be14e18db291f81977.pdf</a>	
<b>Thin film YBCO infrared detector design and characterization</b>	1992
<i>M. Fardmanesh Mojeeb Bin Ihsan Kevin Scoles Allen Rothwarf</i> <i>AIP conference proceedings, res.country(233,)</i>	
<b>Citations:</b> N/A	
<b>DOI:</b> <a href="https://doi.org/10.1063/1.43604">https://doi.org/10.1063/1.43604</a>	
<b>Effect of process parameters on properties of YBCO thin films deposited by off-axis planar magnetron sputtering</b>	1992
<i>Mojeeb Bin Ihsan M. Fardmanesh Allen Rothwarf Kambiz Pourrezaei</i> <i>AIP Conference Proceedings , res.country(233,)</i>	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1063/1.43585	
<b>Design and performance of microstrip resonators using YBCO thin films made by in-situ off-axis sputtering</b>	1992
<i>Mojeeb Bin Ihsan Allen Rothwarf Kambiz Pourrezaei M. Fardmanesh Kevin Scoles</i> <i>AIP conference proceedings, res.country(233,)</i>	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1063/1.43620	
<b>Thick and thin film Y-Ba-Cu-O infrared detectors</b>	1991
<i>M. Fardmanesh A. Rothwarf K. Scoles K. Pourrezaei Mojeeb Bin Ihsan</i> <i>Superconductivity and its Applications , res.country(233,)</i>	
<b>Citations:</b> N/A	
<b>DOI:</b> <a href="https://doi.org/10.1063/1.42049">https://doi.org/10.1063/1.42049</a>	

Editorial Activities

<b>MICROWAVE AND OPTICAL TECHNOLOGY LETTERS</b>	2023
Reviewed Papers for Journals	
<b>Impact Factor: 1.5</b>	
<b>IEEE Access</b>	2022
Reviewed Papers for Journals	
<b>Impact Factor: 3.476</b>	
<b>IEEE Access</b>	2021
Reviewed Papers for Journals	
<b>Impact Factor: 3.476</b>	
	2019
Reviewed Papers for Journals	
<b>Impact Factor: 1.472</b>	
	2019
Reviewed Papers for Journals	
<b>Impact Factor: 1.472</b>	

Intellectual Property

<b>Copyrights</b>	
<b>Graphical User Interface (GUI) for NR-V3 (MAHZ-1) radar</b>	2021
<b>Status:</b> Filed	
<b>Patents</b>	
<b>Industrial Designs</b>	
<b>NRV3 Radar Thermal System (Class-01)</b>	2021
<b>Status:</b> Filed	
<b>NRV3 Radar Heat Sink Assembly (Class-01)</b>	2021
<b>Status:</b> Filed	
<b>NRV3 Radar FGU Rx Assembly (Class-01)</b>	2021
<b>Status:</b> Filed	
<b>NRV3 Radar FGU Tx Assembly (Class-01)</b>	2021
<b>Status:</b> Filed	
<b>NRV3 Radar Casing Internal Assembly (Class-01)</b>	2021
<b>Status:</b> Filed	
<b>NRV3 Radar Antenna Assembly (Class-01)</b>	2021
<b>Status:</b> Filed	
<b>Ground Surveillance Radar NRV3 (MAHZ-1) (Class 01)</b>	2021
<b>Status:</b> Filed	
<b>Tripod of Ground Surveillance Radar NRV3(MAHZ-1) (Class01)</b>	2019
<b>Status:</b> Granted Filed	
<b>Radar Casing of Ground Surveillance Radar NRV3 (MAHZ-1) (Class01)</b>	2019
<b>Status:</b> Granted Filed	
<b>Turn Tilt Platform of Ground Surveillance Radar NRV3(MAHZ-1) (Class01)</b>	2019
<b>Status:</b> Granted Filed	
<b>Trademarks</b>	